

METHANE RESPONSE ACTIVITY PLAN, RESIDENTIAL AND COMMERCIAL METHANE PROGRAMS SEPTEMBER 1, 2016

Ford-Kingsford Products Facility
(Court Case Number 04-1427-CE)
Kingsford, Michigan



Mr. Chris Austin
Michigan Department of Environmental Quality
Remediation and Redevelopment Division
Upper Peninsula District Office
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Marquette, MI 49855

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Subject:

Methane Response Activity Plan, Residential and Commercial Methane Programs, Ford-Kingsford Products Facility, Court Case Number 04-1427-CE, Kingsford, Michigan

ENVIRONMENT

Date:

September 1, 2016

Dear Mr. Austin:

Contact:

Ric Studebaker

Arcadis (on behalf of Ford Motor Company [Ford] and The Kingsford Products Company [KPC]) has prepared this methane response activity plan (MRAP) for the Ford-Kingsford Products Facility (Site) in Kingsford, Michigan. The First Modification to Consent Judgment (CJ), dated August 22, 2016, Court Case Number 04-1427-CE (CJ) outlines the response objectives and activities required for the Site, the boundaries of which are defined in the CJ as the Area of Concern (AOC).

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Response actions to address the presence of gas-phase methane within the AOC are currently being completed per the interim response action plan (IRAP) entitled "*Methane Interim Response Action Plan, Ford/Kingsford Site, Kingsford, Michigan*" (IRAP) dated October 31, 2007 and corresponding addendum entitled "*Methane Interim Response Action Plan Addendum, Ford-Kingsford Products Facility, Court Case Number 04-1427-CE, Kingsford, Michigan*" (IRAP addendum) dated October 13, 2009. This MRAP submittal is being made under Section 7.7A of the CJ, which allows for modifications of the response activity.

Our ref:

WI001525.10

The purpose of this MRAP is to present the future activities for the residential non-residential (industrial, institutional, etc. referred to as "commercial" henceforth) methane programs to meet the objectives of the CJ; this MRAP will replace the sections of the Methane IRAP and the Addenda regarding the residential and commercial programs.

BACKGROUND

Investigation and ongoing monitoring activities have identified the areas within the AOC where gas-phase methane is present in the vadose zone at concentrations above 1.25 percent by volume (Figure 1). Response activities to address this gas-phase methane have included methane extraction, control, and monitoring which have been implemented and are ongoing within the AOC in accordance with the following documents:

- *“Standard Contingent Work Plan - Pressure Control System, Ford-Kingsford Products Facility, Court Case No. 04-1427-CE”* (dated December 16, 2004, revised February 2, 2012).
- *“Emergency Response and Evacuation Procedure for Occupied Structures”* included in the *Interim Response Activity Work Plan 1998*, revised February 2, 2012.
- *“Methane Interim Response Action Plan, Ford/Kingsford Site, Kingsford, Michigan”* (October 31, 2007).
- *“Methane Interim Response Action Plan Addendum, Ford-Kingsford Produces Facility, Court Case Number 04-1427-CE, Kingsford, Michigan”* (October 13, 2009).
- Restrictive covenants (Appendix A) allowing ongoing implementation of soil vapor extraction (SVE), passive venting programs, and associated monitoring at properties where methane is or may be present.
- Access agreements (Appendix B) for properties where SVE, passive venting, and monitoring programs are or may be required.

A summary of soil vapor probe monitoring and mass removal data associated with the SVE and passive venting programs is presented during each reporting period in the progress reports for the Site. Since 1998 (through December 2015), 5,711,958 pounds of methane gas have been removed from the subsurface at the Site. The SVE and passive venting programs continue to provide the primary means of protection from potential methane intrusion into structures by intercepting and safely venting methane gas present in the subsurface. By controlling and/or eliminating gas-phase methane in primary travel routes and at potential locations of accumulation, the gas is removed prior to reaching shallow soils; thus preventing gas-phase methane from reaching structures in the AOC. It is important to note that these venting/control programs will be continued as long as necessary to address gas-phase methane present above 1.25 percent by volume. Recorded access agreements and restrictive covenants enable maintenance of these programs as needed. The venting/control locations are depicted on Figure 1.

Additionally, existing City of Kingsford and Breitung Township water well prohibition ordinances (Appendix C) ensure that no potential new openings or conduits into the deeper subsurface are allowed (thus

preventing any subsequent changes to the established Conceptual Site Model that could result from this type of activity). This further supports and enhances the effectiveness of the venting/control programs and maintains safety within the AOC.

CURRENT RESIDENTIAL AND COMMERCIAL METHANE PROGRAMS

In addition to the venting/control programs and the restrictive covenants/ordinances, the residential methane program (RMP) and commercial methane program (CMP) continue to provide an additional level of protection that has been implemented at structures within the AOC. The RMP and CMP have been implemented and are ongoing within the AOC in accordance with the following documents:

- *“Guidelines for Vapor Control System Installation, Ford-Kingsford Products Facility, Court Case 04-1427-CE”* (January 21, 2005, revised February 2, 2012).
- *“Evaluation of Methane Accumulation in Storage Sheds, Ford-Kingsford Products Facility, Court Case No. 04-1427-CE”* (December 23, 2004).
- *“Contingency” Ford-Kingsford Products Facility, Court Case 04-1427-CE”* (January 20, 2005).
- *Revised Contingency Plan, Ford-Kingsford Products Facility, Court Case No. 04-1427-CE”* (September 21, 2006).
- Restrictive covenants (Appendix A) allowing ongoing implementation of the RMP and CMP at properties within the AOC.

Residential Methane Program

The RMP currently includes offering the installation and maintenance of a vapor control system (VCS) in appropriate structures, and sealing of any cracks or openings in the lowest level of structures. In addition, the RMP includes offering inspections annually for structures where a VCS has not been installed and every 3 years for structures where a VCS has been installed. Installation of methane detectors is offered every 3 years, and any detector soundings are evaluated by offering to complete a follow-up visit for each sounding. The data collected for the RMP is maintained in a database, which tracks completed activities; a summary of the activities completed is presented in each progress report.

Commercial Methane Program

The CMP currently includes offering the installation and maintenance of a VCS in appropriate structures, and sealing of any cracks or openings in the lowest level of structures. In addition, the CMP includes offering inspections annually for structures where a VCS has not been installed and every 3 years for structures where a VCS has been installed. Installation of soil vapor probes at the perimeter of structures is offered to monitor the subsurface environment directly for the potential presence of methane in the vicinity of the structure. Soil vapor probes are also installed to monitor for potential methane beneath paved areas over 10,000 square feet that are located within 5 feet of a structure. The data collected for the CMP is maintained in a database similar to the RMP; a summary of the activities completed is presented in each progress report.

Overall RMP/CMP Results

Since 2004, the RMP and CMP have been successfully implemented to meet the requirements of the CJ and have produced the following results:

- No methane was detected within any residential or commercial structure during a total of 3,219 inspections completed through December 2015 at 1,118 structures.
- No detector soundings related to the presence of methane associated with the Site during continuous monitoring at 1,124 structures.
- No methane in sub-slab soil vapor was detected during monitoring of over 2,400 sub-slab points while installing 1,349 residential and 93 commercial VCS.
- No methane was detected at 376 out of 406 soil vapor probes installed for the commercial monitoring program (Table 1). Methane was detected in soil vapor probes at 3 commercial properties at levels near or above 1.25 percent methane. In each case the applicable building was inspected and methane was not detected within the building. Venting/control measures were implemented, which successfully addressed the methane (Pyle SVE and GMSG-136 passive vent, GMSG-598 passive venting, and Knudsen Drive VCS). In addition methane detected at GMSG-34 prior to beginning the CMP continues to be addressed by the associated SVE system. Isolated detections of methane occurred at several additional properties, however the detections were well below 1.25 percent and are no longer present.

A summary of the residential properties where the methane programs have been implemented is presented on Figure 2. A summary of the commercial properties where the methane programs have been implemented, including the location of the commercial soil vapor probes, is presented on Figure 3. These figures show the implementation of the methane programs across the AOC through December 2015.

PROPOSED FUTURE ACTIVITIES

Based on the success of the methane programs over the 11-year time period since the CJ was originally signed, and the extensive amount of knowledge and data obtained during implementation and monitoring of these activities, modifications to these programs are justified and warranted. The RMP/CMP activities as outlined below are proposed for these programs moving forward. These activities will fully comply with the objectives of the CJ, maintaining public safety as the utmost priority.

Methane Extraction and Monitoring

Soil vapor extraction and passive venting programs will be continued as described in the progress reports, with no changes proposed at this time, to appropriately address gas-phase methane that may be present above a concentration of 1.25 percent by volume. In addition, the Standard Contingent Venting Procedure (Attachment 1), the Emergency Response and Evacuation Procedures for Occupied Structures (Attachment 2), Guidelines for Vapor Control System (VCS) installation (Attachment 3), Building Inspection Procedure (Attachment 4), Methane Emergency Contact Personnel and Telephone Listing (Attachment 5) and the administrative and institutional controls that are currently in place will be maintained to ensure compliance with the requirements of the CJ.

RMP

The RMP will continue to include offering the installation and maintenance of a VCS in structures within the AOC. Methane detectors will continue to be offered for residential structures where a VCS has not been installed and will be available to any homeowner within the AOC that requests them.

The RMP will be implemented in the following manner to meet the requirements of the CJ, including the requirement to provide a contingency plan for monitoring methane when a homeowner does not consent to a VCS installation. The program as described herein replaces the *Revised Contingency Plan, Ford-Kingsford Products Facility, Court Case No. 04-1427-CE* (dated September 21, 2006).

- All homeowners within the AOC that currently have a VCS will be sent a letter (Attachment 6) explaining that methane detectors are no longer necessary due to the VCS and monitoring data collected since inception of the program, but will be available upon their request. Along with the letter, the homeowner will receive a detailed summary of all data collected and the work completed on their property (Attachment 7). Contact information will be included, so that the homeowner can inform Arcadis if any repairs to the existing VCS are needed or to request an inspection. Note that contact information has also been placed on each existing VCS.
- All homeowners within the AOC that have not fully participated in the voluntary program, and thus do not have a VCS, will be sent a letter (Attachment 8) explaining that methane detectors require replacement every 5 years, which is the lifespan of the sensor inside the detector. Along with the

letter, the homeowner will receive a detailed summary (Attachment 7) of all work completed on their property. Additional letters will be sent at a minimum of every five years to facilitate replacement of the methane detector and remind homeowners of the ongoing offer to install a VCS. All letters will include contact information so that the homeowner can contact Arcadis for detector replacement, inspection, and/or VCS installation.

- Public notification of the ongoing offer to install a VCS and provide maintenance to existing VCS will be provided to home owners on an annual basis.
- New homeowners in the AOC will continue to be contacted to explain and offer participation in the RMP as described in this section.

CMP

The CMP will continue to include offering the installation and maintenance of a VCS in structures within the AOC. The installation and monitoring of soil vapor probes will continue to be offered for structures within the AOC where a VCS has not been installed. Soil vapor probe monitoring will continue to be available to any commercial property owner within the AOC that requests it.

The CMP will be implemented in the following manner to meet the requirements of the CJ, including the requirement to provide a contingency plan for monitoring methane when a property owner does not consent to a VCS installation. The program as described herein replaces the *Revised Contingency Plan, Ford-Kingsford Products Facility, Court Case No. 04-1427-CE* (dated September 21, 2006).

- All property owners within the AOC that currently have a VCS will be sent a letter (Attachment 9) explaining that soil vapor probe monitoring is no longer necessary due to the VCS and monitoring data collected since inception of the program, but will be available upon their request. Along with the letter, the property owner will receive a detailed summary (Attachment 10) of all data collected for that property. Contact information will be included so that the property owner can inform Arcadis if any repairs to the existing VCS are needed or to request an inspection. Note that contact information has also been placed on each existing VCS.
- All property owners within the AOC that do not have a VCS will be sent a letter (Attachment 11) every five years to remind property owners of the ongoing offer to install a VCS or soil vapor probes. Along with the letter, the property owner will receive a detailed summary (Attachment 10) of all data collected for that property. All letters will include contact information so that the property owner can contact Arcadis for VCS installation and/or inspection. For properties within the AOC where a VCS has not been installed, soil vapor probes will continue to be monitored on the existing schedule as presented below.

- Quarterly monitoring will be conducted at the soil vapor probe until 2 years of quarterly monitoring has been completed.
- Following 2 years of quarterly monitoring with no methane detected above 1.25 percent by volume, monitoring will be reduced to semi-annual for 1 additional year.
- Following 1 year of semi-annual monitoring with no methane detected above 1.25 percent by volume, the monitoring will be reduced to annual.
- Public notification of the ongoing offer to install a VCS and provide maintenance to existing VCS will be provided to property owners on an annual basis.
- New property owners in the AOC will continue to be contacted to explain and offer participation in the CMP as described in this section.

CLOSING

The implementation of the methane programs at the Site including: methane extraction and control, the RMP and the CMP, the extensive amount of data obtained during these activities, and the restrictive covenants/ordinances and procedures are appropriately addressing gas-phase methane in the AOC. The proposed modifications to the RMP and CMP will continue to successfully and safely achieve the same results and maintain compliance with the CJ.

Ford/KPC is requesting that the MDEQ approve the modifications (proposed future activities) to the programs presented in this document.

Sincerely,

Arcadis U.S., Inc.



Richard L. Studebaker Jr.

Ford-Kingsford Products Facility Project Coordinator

Enclosures:

Table

- 1 Commercial Soil Vapor Probe Data, Ford-Kingsford Products Facility, Kingsford, Michigan.

Figures

- 1 SVE System and Passive Vents, Methane Response Activity Plan, Ford-Kingsford Products Facility, Kingsford, Michigan.
- 2 Residential Program Status, Methane Response Activity Plan, Ford-Kingsford Products Facility, Kingsford, Michigan.
- 3 Commercial Program Status, Methane Response Activity Plan, Ford-Kingsford Products Facility, Kingsford, Michigan.

Appendices

- 1 Restrictive Covenants
- 2 Access Agreements
- 3 Well Prohibition Ordinances

Attachments

- 1 Standard Contingent Venting Procedure
- 2 Emergency Response and Evacuation Procedures for Occupied Structures
- 3 Guidelines for Vapor Control System Installation
- 4 Building Inspection Procedure
- 5 Methane Emergency Contact Personnel and Telephone Listing
- 6 Example Mailing for Residential Properties with a Vapor Control System
- 7 Example Residential Property Summary Report
- 8 Example Mailing for Residential Properties without a Vapor Control System
- 9 Example Mailing for Commercial Properties with a Vapor Control System
- 10 Example Commercial Property Summary Report Package
- 11 Example Mailing for Commercial Properties without a Vapor Control System

Table



Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
1220 Breen (Formerly Paul's Car Care)	GMSG-403	10/14/03	5:13 PM	28.52	49	0	0	0.4	19.3	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	10/29/03	2:27 PM	28.48	43	0	0	0.2	19.2	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	11/11/03	2:44 PM	28.48	48	0	0	0.2	19.3	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	12/18/03	2:03 PM	28.51	25	0	0	0.1	19	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	01/29/04	2:55 PM	28.76	6	0	0	0	19.3	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	04/19/04	8:30 AM	28.59	41	0	0	0.2	17.7	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	07/14/04	2:19 PM	28.67	78	0	0	0.2	19.6	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	10/30/04	9:17 AM	27.94	55	0	0	0.5	19.1	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	02/07/05	3:53 PM	28.88	25	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	04/04/05	2:48 PM	28.72	56	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	07/05/05	1:09 PM	28.88	66	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	10/11/05	4:16 PM	28.99	56	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	02/27/06	2:10 PM	28.83	22	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	04/06/06	3:27 PM	28.50	57	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	07/13/06	10:04 AM	28.78	87	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	10/11/06	10:57 AM	28.06	42	0.03	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	01/31/07	3:14 PM	28.49	22	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	04/05/07	2:32 PM	28.87	25	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	07/19/07	3:24 PM	30.06	62	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	10/17/07	2:30 PM	29.86	60	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	01/16/08	11:49 AM	29.93	27	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	04/14/08	11:12 AM	30.26	42	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	07/09/08	9:34 AM	29.89	69	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	10/22/08	1:10 PM	30.45	48	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	01/05/09	1:48 PM	28.59	11	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	04/02/09	1:34 PM	28.42	43	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	07/31/09	8:34 AM	28.64	63	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	10/23/09	11:46 AM	28.38	35	0.1	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	04/19/10	2:24 PM	28.91	63	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	11/03/10	12:41 PM	28.48	55	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	07/08/11	2:02 PM	28.63	82	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	07/10/11	6:06 PM	28.57	84	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	10/22/12	2:53 PM	28.72	63	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	11/05/13	3:52 PM	28.87	48	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	08/11/14	4:02 PM	28.65	67	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-403	08/04/15	1:30 PM	28.68	70	0	--	--	--	0

Notes on Page 372.

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Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
1220 Breen (Formerly Paul's Car Care)	GMSG-608	07/28/06	10:03 AM	28.69	80	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	08/04/06	2:38 PM	28.89	82	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	08/11/06	11:00 AM	28.97	68	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	09/19/06	9:53 AM	28.50	50	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	10/11/06	11:03 AM	28.06	42	0.03	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	11/15/06	1:38 PM	28.72	43	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	02/01/07	9:05 AM	28.39	11	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	04/05/07	2:26 PM	28.88	23	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	07/19/07	3:27 PM	30.06	62	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	10/17/07	2:34 PM	29.86	60	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	01/16/08	2:57 PM	29.90	28	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	04/14/08	11:18 AM	30.26	42	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	07/09/08	9:40 AM	29.89	69	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	10/22/08	1:05 PM	30.45	48	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	01/05/09	1:39 PM	28.59	11	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	04/02/09	1:41 PM	28.42	43	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	07/31/09	8:30 AM	28.64	63	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	10/23/09	11:51 AM	28.38	35	0.1	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	04/19/10	2:29 PM	28.91	63	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	11/03/10	12:38 PM	28.48	55	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	07/08/11	1:37 PM	28.63	82	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	10/22/12	2:46 PM	28.72	63	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	11/05/13	3:58 PM	28.87	48	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	08/11/14	4:10 PM	28.65	67	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-608	08/04/15	1:23 PM	28.66	72	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	07/28/06	9:43 AM	28.69	80	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	08/04/06	2:43 PM	28.89	82	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	08/11/06	10:57 AM	28.97	68	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	09/19/06	9:47 AM	28.50	50	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	10/11/06	11:00 AM	28.06	42	0.03	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	11/15/06	1:34 PM	28.72	43	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	02/01/07	8:37 AM	28.39	11	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	04/05/07	2:34 PM	28.87	25	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	07/19/07	3:22 PM	30.06	62	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	10/17/07	2:37 PM	29.86	60	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	01/16/08	11:53 AM	29.93	27	0	--	--	--	0

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1220 Breen (Formerly Paul's Car Care)	GMSG-609	04/14/08	11:21 AM	30.26	42	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	07/09/08	9:36 AM	29.89	69	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	10/22/08	1:12 PM	30.45	48	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	01/05/09	1:54 PM	28.59	11	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	04/02/09	1:36 PM	28.42	43	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	07/31/09	8:32 AM	28.64	63	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	10/23/09	11:48 AM	28.38	35	0.1	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	04/19/10	2:26 PM	28.91	63	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	11/03/10	12:43 PM	28.48	55	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	07/08/11	1:50 PM	28.63	82	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	10/22/12	2:50 PM	28.72	63	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	11/05/13	3:54 PM	28.87	48	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	08/11/14	4:05 PM	28.65	67	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-609	08/04/15	1:26 PM	28.66	72	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	07/28/06	9:58 AM	28.69	80	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	08/04/06	2:34 PM	28.89	82	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	08/11/06	11:03 AM	28.97	68	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	09/19/06	9:50 AM	28.50	50	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	10/11/06	11:05 AM	28.06	42	0.03	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	11/15/06	1:36 PM	28.72	43	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	02/01/07	10:10 AM	28.40	11	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	04/05/07	2:28 PM	28.88	23	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	07/19/07	3:25 PM	30.06	62	T	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	10/17/07	2:39 PM	29.86	60	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	01/16/08	11:55 AM	29.93	27	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	04/14/08	11:16 AM	30.26	42	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	07/09/08	9:38 AM	29.89	69	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	10/22/08	1:08 PM	30.45	48	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	01/05/09	1:45 PM	28.59	11	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	04/02/09	1:38 PM	28.42	43	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	07/31/09	8:28 AM	28.64	60	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	10/23/09	11:50 AM	28.38	35	0.1	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	04/19/10	2:28 PM	28.91	63	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	11/03/10	12:40 PM	28.48	55	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	07/08/11	1:35 PM	28.63	82	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	10/22/12	2:41 PM	28.72	63	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
1220 Breen (Formerly Paul's Car Care)	GMSG-610	11/05/13	3:48 PM	28.87	48	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	08/22/14	12:33 PM	28.72	71	0	--	--	--	0
1220 Breen (Formerly Paul's Car Care)	GMSG-610	08/04/15	1:21 PM	28.66	72	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	10/14/03	10:56 AM	28.48	52	0	0	0.4	18.8	0
1310 Breen (Formerly MBM Office)	GMSG-408	10/29/03	2:32 PM	28.51	41	0	0	0.4	18.9	0
1310 Breen (Formerly MBM Office)	GMSG-408	11/11/03	2:35 PM	28.48	48	0	0	0	19.5	0
1310 Breen (Formerly MBM Office)	GMSG-408	12/18/03	1:57 PM	28.51	25	0	0	0	19.2	0
1310 Breen (Formerly MBM Office)	GMSG-408	01/21/04	10:26 AM	28.43	14	T	0	0.3	18.8	0
1310 Breen (Formerly MBM Office)	GMSG-408	04/19/04	8:15 AM	28.50	41	T	0	0.3	17.6	0
1310 Breen (Formerly MBM Office)	GMSG-408	07/14/04	2:06 PM	28.67	78	0	0	0.5	19.1	0
1310 Breen (Formerly MBM Office)	GMSG-408	10/30/04	9:07 AM	27.94	55	0	0	0.5	19.2	0
1310 Breen (Formerly MBM Office)	GMSG-408	02/07/05	3:38 PM	28.88	25	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	04/04/05	3:17 PM	28.72	56	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	07/05/05	1:00 PM	28.88	66	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	10/11/05	4:26 PM	28.99	56	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	02/20/06	1:19 PM	28.52	27	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	04/06/06	3:36 PM	28.49	54	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	07/13/06	9:41 AM	28.78	87	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	10/11/06	10:35 AM	28.06	42	0.03	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	01/31/07	2:41 PM	28.49	22	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	04/05/07	2:54 PM	28.87	25	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	07/19/07	3:06 PM	30.06	62	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	10/22/07	11:46 AM	30.03	51	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	01/16/08	11:27 AM	29.95	25	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	04/14/08	10:57 AM	30.26	42	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	07/09/08	9:23 AM	29.88	67	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	10/22/08	1:24 PM	30.45	48	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	01/05/09	2:34 PM	28.59	11	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	04/02/09	1:20 PM	28.46	42	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	07/31/09	8:49 AM	28.64	63	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	10/23/09	11:32 AM	28.38	35	0.1	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	04/19/10	2:11 PM	28.91	63	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	11/03/10	1:00 PM	28.48	55	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	07/08/11	12:45 PM	28.63	82	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	10/22/12	2:29 PM	28.72	63	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	11/06/13	9:18 AM	28.53	35	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
1310 Breen (Formerly MBM Office)	GMSG-408	08/12/14	9:21 AM	28.63	54	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-408	08/03/15	1:36 PM	28.53	68	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	11/23/05	11:40 AM	27.98	28	0.01	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	11/28/05	11:28 AM	28.19	44	0.05	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	12/07/05	11:21 AM	29.27	21	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	02/17/06	2:45 PM	29.12	4	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	03/10/06	10:09 AM	28.47	37	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	04/06/06	3:40 PM	28.49	54	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	07/13/06	9:38 AM	28.78	87	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	10/11/06	10:32 AM	28.06	42	0.03	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	01/31/07	2:51 PM	28.49	22	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	04/05/07	2:56 PM	28.87	25	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	07/19/07	3:04 PM	30.06	62	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	10/22/07	11:42 AM	30.03	51	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	01/16/08	3:06 PM	29.90	28	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	04/14/08	10:55 AM	30.26	42	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	07/09/08	9:22 AM	29.88	67	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	10/22/08	1:23 PM	30.45	48	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	01/05/09	2:32 PM	28.59	11	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	04/02/09	1:17 PM	28.46	42	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	07/31/09	8:51 AM	28.64	63	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	10/23/09	11:30 AM	28.38	35	0.1	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	04/19/10	2:09 PM	28.91	63	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	11/03/10	1:02 PM	28.48	55	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	07/08/11	12:42 PM	28.63	82	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	10/22/12	2:23 PM	28.72	63	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	11/06/13	9:10 AM	28.53	35	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	08/12/14	9:17 AM	28.63	54	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-531	08/03/15	1:28 PM	28.54	64	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	11/23/05	11:43 AM	27.98	28	0.01	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	11/28/05	11:34 AM	28.16	44	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	12/07/05	11:23 AM	29.27	21	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	02/20/06	1:12 PM	28.52	27	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	03/10/06	10:12 AM	28.47	37	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	04/06/06	3:32 PM	28.49	54	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	07/13/06	9:49 AM	28.78	87	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
1310 Breen (Formerly MBM Office)	GMSG-532	10/11/06	10:41 AM	28.06	42	0.03	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	01/31/07	2:25 PM	28.51	20	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	04/05/07	2:49 PM	28.87	25	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	07/19/07	3:10 PM	30.06	62	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	10/22/07	11:52 AM	30.03	51	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	01/16/08	11:20 AM	29.95	25	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	04/14/08	11:00 AM	30.26	42	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	07/09/08	9:26 AM	29.88	67	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	10/22/08	1:29 PM	30.45	48	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	01/05/09	2:27 PM	28.59	11	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	04/02/09	1:23 PM	28.46	42	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	07/31/09	8:46 AM	28.64	63	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	10/23/09	11:35 AM	28.38	35	0.1	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	04/19/10	2:14 PM	28.91	63	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	11/03/10	12:57 PM	28.48	55	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	07/08/11	12:49 PM	28.63	82	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	07/10/11	5:59 PM	28.57	84	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	10/22/12	2:24 PM	28.72	63	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	11/06/13	9:12 AM	28.53	35	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	08/12/14	9:28 AM	28.63	54	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-532	08/03/15	1:31 PM	28.53	68	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	11/23/05	11:47 AM	27.98	28	0.01	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	11/28/05	11:38 AM	28.16	44	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	12/07/05	11:26 AM	29.27	21	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	02/20/06	1:16 PM	28.52	27	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	03/10/06	10:17 AM	28.47	37	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	04/06/06	3:34 PM	28.49	54	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	07/13/06	9:45 AM	28.78	87	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	01/31/07	2:34 PM	28.49	22	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	04/05/07	2:52 PM	28.87	25	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	07/19/07	3:08 PM	30.06	62	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	10/22/07	11:50 AM	30.03	51	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	01/16/08	11:25 AM	29.95	25	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	04/14/08	10:59 AM	30.26	42	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	07/09/08	9:25 AM	29.88	67	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	10/22/08	1:27 PM	30.45	48	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
1310 Breen (Formerly MBM Office)	GMSG-533	01/05/09	2:37 PM	28.59	11	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	04/02/09	1:21 PM	28.46	42	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	07/31/09	8:47 AM	28.64	63	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	10/23/09	11:33 AM	28.38	35	0.1	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	04/19/10	2:12 PM	28.91	63	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	11/03/10	12:58 PM	28.48	55	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	07/08/11	12:47 PM	28.63	82	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	07/10/11	6:00 PM	28.57	84	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	10/22/12	2:26 PM	28.72	63	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	11/06/13	9:20 AM	28.53	35	T	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	08/12/14	9:24 AM	28.63	54	0	--	--	--	0
1310 Breen (Formerly MBM Office)	GMSG-533	08/03/15	1:34 PM	28.53	68	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	06/13/03	12:50 PM	28.62	77	0	0	1.2	18.6	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	06/19/03	12:53 PM	28.97	68	0	0	1.2	18.2	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	06/24/03	10:44 AM	28.73	77	0	0	1.3	18.2	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	07/21/03	11:38 AM	28.57	71	0	0	1.9	18	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	08/05/03	2:10 PM	28.70	81	0	0	1.7	17.7	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	09/26/03	1:39 PM	28.36	54	T	0	1.8	17.8	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	11/02/03	4:20 PM	28.91	42	0	0	1.2	18.2	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	04/19/04	7:46 AM	28.50	41	T	0	0.4	17.1	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	07/14/04	12:00 PM	28.67	76	0	0	1.2	17.9	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	10/30/04	8:50 AM	27.94	55	0	0	0.9	18.9	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	03/29/05	12:55 PM	28.49	61	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	04/04/05	3:37 PM	28.72	55	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	07/05/05	12:55 PM	28.88	66	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	10/11/05	4:34 PM	29.00	55	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	03/13/06	10:14 AM	28.08	32	0.07	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	04/06/06	2:27 PM	28.51	58	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	07/13/06	8:47 AM	28.78	83	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	10/11/06	10:14 AM	28.08	43	0.04	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	01/31/07	11:36 AM	28.61	15	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	04/06/07	11:03 AM	28.76	20	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	07/19/07	2:28 PM	30.03	66	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	04/14/08	10:30 AM	30.26	42	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	07/09/08	9:03 AM	29.88	67	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	10/21/08	2:46 PM	30.41	44	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
1417 Breen (Formerly Maria's Cantina)	GMSG-134	01/06/09	10:42 AM	28.44	4	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	04/02/09	11:16 AM	28.47	37	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	07/31/09	9:20 AM	28.64	63	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	10/23/09	11:14 AM	28.42	35	0.04	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	04/19/10	1:57 PM	28.91	63	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	11/03/10	1:14 PM	28.48	55	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	07/08/11	12:12 PM	28.63	81	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	10/22/12	2:37 PM	28.72	63	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	11/06/13	8:55 AM	28.53	35	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	08/12/14	10:46 AM	28.63	60	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-134	08/07/15	11:41 AM	28.64	63	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	08/25/06	11:09 AM	28.71	61	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	09/01/06	12:59 PM	29.05	73	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	09/06/06	3:49 PM	28.86	73	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	10/11/06	10:30 AM	28.06	42	0.03	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	11/15/06	1:56 PM	28.72	43	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	12/19/06	12:14 PM	29.00	37	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	01/31/07	11:17 AM	28.65	11	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	04/06/07	11:08 AM	28.76	20	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	07/19/07	2:34 PM	30.06	62	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	10/17/07	12:24 PM	29.89	57	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	01/16/08	10:34 AM	29.95	25	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	04/14/08	10:37 AM	30.26	42	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	07/09/08	9:08 AM	29.88	67	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	10/21/08	2:41 PM	30.41	44	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	01/06/09	10:24 AM	28.46	-3	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	04/02/09	11:12 AM	28.47	37	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	07/31/09	9:28 AM	28.64	63	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	10/23/09	11:10 AM	28.42	35	0.04	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	04/19/10	1:54 PM	28.91	63	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	11/03/10	1:11 PM	28.48	55	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	07/08/11	12:18 PM	28.63	81	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	10/22/12	2:32 PM	28.72	63	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	11/06/13	9:06 AM	28.53	35	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	08/12/14	10:33 AM	28.63	60	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-626	08/07/15	11:34 AM	28.64	63	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
1417 Breen (Formerly Maria's Cantina)	GMSG-627	08/25/06	11:12 AM	28.71	61	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	09/01/06	12:49 PM	29.05	73	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	09/06/06	3:52 PM	28.86	73	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	10/11/06	10:10 AM	28.08	43	0.04	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	11/15/06	1:51 PM	28.72	43	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	12/19/06	12:12 PM	29.00	37	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	01/31/07	11:10 AM	28.65	11	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	04/06/07	11:05 AM	28.76	20	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	07/19/07	2:31 PM	30.06	62	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	10/17/07	12:31 PM	29.88	57	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	01/16/08	2:47 PM	29.90	28	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	04/14/08	10:34 AM	30.26	42	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	07/09/08	9:10 AM	29.88	67	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	10/21/08	2:43 PM	30.41	44	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	01/06/09	10:33 AM	28.44	4	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	04/02/09	11:18 AM	28.47	37	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	07/31/09	9:24 AM	28.64	63	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	10/23/09	11:16 AM	28.42	35	0.04	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	04/19/10	1:59 PM	28.91	63	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	11/03/10	1:12 PM	28.48	55	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	07/08/11	12:15 PM	28.63	81	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	10/22/12	2:35 PM	28.72	63	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	11/06/13	9:08 AM	28.53	35	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	08/12/14	10:39 AM	28.63	60	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-627	08/07/15	11:43 AM	28.64	63	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	08/25/06	11:04 AM	28.71	61	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	09/01/06	1:04 PM	29.05	73	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	09/06/06	3:46 PM	28.86	73	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	10/11/06	10:17 AM	28.08	43	0.04	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	11/15/06	1:59 PM	28.72	43	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	12/19/06	12:16 PM	29.00	37	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	01/31/07	11:22 AM	28.65	11	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	04/06/07	11:11 AM	28.76	20	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	07/19/07	2:36 PM	30.06	62	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	10/17/07	12:20 PM	29.89	57	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	01/16/08	10:40 AM	29.95	25	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
1417 Breen (Formerly Maria's Cantina)	GMSG-628	04/14/08	10:39 AM	30.26	42	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	07/09/08	9:06 AM	29.88	67	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	10/21/08	2:48 PM	30.41	44	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	01/06/09	10:47 AM	28.44	4	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	04/02/09	11:14 AM	28.47	37	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	07/31/09	9:30 AM	28.65	68	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	10/23/09	11:12 AM	28.42	35	0.04	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	04/19/10	1:56 PM	28.91	63	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	11/03/10	1:16 PM	28.48	55	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	07/08/11	12:07 PM	28.63	81	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	11/09/12	9:50 AM	28.86	43	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	11/06/13	9:00 AM	28.53	35	T	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	08/12/14	10:54 AM	28.63	60	0	--	--	--	0
1417 Breen (Formerly Maria's Cantina)	GMSG-628	08/07/15	11:37 AM	28.64	63	T	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	08/01/01	10:58 AM	28.84	78	T	0	0.8	19.4	--
American Martyr's Church & Rectory	GMSG-49	08/09/01	1:59 PM	28.55	84	0	0	0.3	20.2	--
American Martyr's Church & Rectory	GMSG-49	09/11/01	4:10 PM	28.94	63	0	0	1.8	18.6	--
American Martyr's Church & Rectory	GMSG-49	09/24/01	3:27 PM	29.08	49	0	0	1.7	19	--
American Martyr's Church & Rectory	GMSG-49	10/22/01	8:20 AM	28.83	39	0	0	0.6	20	--
American Martyr's Church & Rectory	GMSG-49	11/13/01	10:45 AM	28.79	44	0	0	0.4	20	--
American Martyr's Church & Rectory	GMSG-49	02/13/02	11:03 AM	28.90	19	0	0	0	19.7	--
American Martyr's Church & Rectory	GMSG-49	06/26/02	10:20 AM	28.61	77	0	0	1.5	19.5	--
American Martyr's Church & Rectory	GMSG-49	09/30/02	12:28 PM	28.56	73	0	0	1.1	19.9	0
American Martyr's Church & Rectory	GMSG-49	11/21/02	10:25 AM	28.68	32	0	0	0.6	19.8	0
American Martyr's Church & Rectory	GMSG-49	01/29/03	12:38 PM	29.08	15	T	0	0.2	20	0
American Martyr's Church & Rectory	GMSG-49	04/22/03	11:01 AM	28.86	45	0	0	0.6	19.4	0
American Martyr's Church & Rectory	GMSG-49	08/05/03	9:50 AM	28.72	77	0	0	1	18.3	0
American Martyr's Church & Rectory	GMSG-49	11/03/03	2:00 PM	29.04	32	T	0	0.8	18.8	0
American Martyr's Church & Rectory	GMSG-49	01/21/04	8:49 AM	28.46	13	T	0	0.3	18.8	0
American Martyr's Church & Rectory	GMSG-49	04/18/04	3:50 PM	28.35	58	0	0	0.5	17.1	0
American Martyr's Church & Rectory	GMSG-49	07/14/04	11:06 AM	28.68	75	0	0	1.2	18.3	0
American Martyr's Church & Rectory	GMSG-49	10/29/04	2:04 PM	28.35	57	0	0	1	18.7	0
American Martyr's Church & Rectory	GMSG-49	01/28/05	12:59 PM	29.18	24	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	04/05/05	7:47 AM	28.57	45	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	07/05/05	1:47 PM	28.87	68	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	10/11/05	1:55 PM	28.99	60	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
American Martyr's Church & Rectory	GMSG-49	02/28/06	12:09 PM	28.76	20	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	04/10/06	10:55 AM	28.81	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	07/13/06	2:00 PM	28.76	93	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	10/11/06	8:06 AM	28.13	43	0.04	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	02/03/07	11:04 AM	28.47	1	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	04/05/07	11:06 AM	28.88	21	T	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	07/18/07	3:02 PM	29.85	83	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	10/23/07	9:45 AM	29.86	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	01/15/08	1:29 PM	30.00	24	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	04/14/08	3:18 PM	30.19	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	07/09/08	11:37 AM	29.88	74	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	10/21/08	12:12 PM	30.43	44	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	01/06/09	1:57 PM	28.35	18	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	04/02/09	10:01 AM	28.48	36	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	07/31/09	7:03 AM	28.64	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	10/23/09	10:12 AM	28.47	35	0.06	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	04/20/10	11:22 AM	28.69	67	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	11/03/10	11:17 AM	28.53	53	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	07/09/11	12:08 PM	28.64	74	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	10/24/12	12:44 PM	28.60	59	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	11/06/13	2:29 PM	28.61	36	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	08/12/14	4:20 PM	28.63	71	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-49	08/10/15	4:38 PM	28.64	78	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	08/01/01	11:04 AM	28.84	78	T	0	0.8	19.4	--
American Martyr's Church & Rectory	GMSG-50	08/09/01	2:07 PM	28.55	84	0	0	0.7	19.7	--
American Martyr's Church & Rectory	GMSG-50	09/11/01	4:15 PM	28.94	63	0	0	0.5	19.9	--
American Martyr's Church & Rectory	GMSG-50	09/24/01	3:33 PM	29.08	48	0	0	0.5	20.2	--
American Martyr's Church & Rectory	GMSG-50	10/22/01	9:00 AM	28.82	45	0	0	0	20	--
American Martyr's Church & Rectory	GMSG-50	11/13/01	10:40 AM	28.79	44	0	0	0	20.8	--
American Martyr's Church & Rectory	GMSG-50	02/13/02	10:58 AM	28.90	19	0	0	0.1	19.5	--
American Martyr's Church & Rectory	GMSG-50	06/26/02	10:29 AM	28.61	77	0	0	0.4	20.4	--
American Martyr's Church & Rectory	GMSG-50	09/30/02	12:23 PM	28.56	73	0	0	0.6	20	0
American Martyr's Church & Rectory	GMSG-50	11/21/02	10:19 AM	28.68	32	0	0	0.3	20.3	0
American Martyr's Church & Rectory	GMSG-50	01/29/03	12:30 PM	29.08	15	T	0	0.2	20.1	0
American Martyr's Church & Rectory	GMSG-50	04/22/03	10:55 AM	28.86	45	0	0	0.2	19.7	0
American Martyr's Church & Rectory	GMSG-50	08/05/03	9:44 AM	28.72	77	0	0	0.5	18.9	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
American Martyr's Church & Rectory	GMSG-50	11/03/03	2:20 PM	29.04	32	T	0	0.5	19.1	0
American Martyr's Church & Rectory	GMSG-50	01/21/04	9:06 AM	28.46	13	T	0	0.2	18.9	0
American Martyr's Church & Rectory	GMSG-50	04/18/04	3:41 PM	28.35	58	0	0	0.2	17.5	0
American Martyr's Church & Rectory	GMSG-50	07/14/04	11:12 AM	28.68	75	0	0	0.4	19	0
American Martyr's Church & Rectory	GMSG-50	10/29/04	2:16 PM	28.35	57	0	0	0.4	19.5	0
American Martyr's Church & Rectory	GMSG-50	02/11/05	3:20 PM	28.59	41	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	04/05/05	7:43 AM	28.57	45	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	07/05/05	1:55 PM	28.87	68	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	10/17/05	2:40 PM	28.39	61	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	02/28/06	11:52 AM	28.76	20	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	04/10/06	11:05 AM	28.81	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	07/13/06	2:19 PM	28.76	93	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	10/16/06	10:45 AM	28.66	45	0.02	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	02/03/07	10:06 AM	28.46	-1	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	02/05/07	12:19 PM	29.10	3	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	04/05/07	10:59 AM	28.88	21	T	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	07/18/07	2:58 PM	29.85	83	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	10/23/07	9:57 AM	29.86	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	01/15/08	1:18 PM	30.00	24	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	04/14/08	3:09 PM	30.19	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	07/09/08	11:33 AM	29.88	74	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	10/21/08	12:03 PM	30.43	44	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	01/06/09	1:53 PM	28.35	18	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	04/02/09	9:56 AM	28.48	36	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	07/31/09	6:52 AM	28.64	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	10/23/09	10:05 AM	28.47	35	0.06	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	04/20/10	11:17 AM	28.69	67	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	11/03/10	11:12 AM	28.53	53	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	10/24/12	1:20 PM	28.60	59	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	11/09/13	2:00 PM	28.41	39	T	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	08/21/14	2:10 PM	28.69	69	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-50	08/10/15	4:23 PM	28.64	77	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	06/13/05	2:26 PM	28.50	83	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	06/20/05	9:46 AM	28.88	83	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	06/27/05	4:44 PM	28.74	89	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	07/11/05	8:20 AM	28.92	79	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
American Martyr's Church & Rectory	GMSG-449	08/01/05	10:28 AM	28.87	81	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	09/12/05	9:10 AM	28.78	79	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	10/11/05	2:30 PM	28.99	57	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	02/28/06	11:29 AM	28.77	17	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	04/10/06	11:11 AM	28.81	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	07/13/06	1:38 PM	28.76	93	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	10/16/06	12:38 PM	28.63	46	0.09	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	02/03/07	11:25 AM	28.47	1	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	04/05/07	11:10 AM	28.88	21	T	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	07/18/07	3:08 PM	29.85	83	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	10/23/07	9:36 AM	29.86	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	01/15/08	1:05 PM	30.00	24	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	04/14/08	3:11 PM	30.19	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	07/09/08	11:43 AM	29.88	74	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	10/21/08	12:14 PM	30.43	44	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	01/06/09	2:07 PM	28.35	18	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	04/02/09	10:04 AM	28.48	36	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	10/23/09	10:14 AM	28.47	35	0.06	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	04/20/10	11:15 AM	28.69	67	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	11/03/10	11:19 AM	28.53	53	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	08/21/14	2:28 PM	28.69	69	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-449	08/11/15	4:19 PM	28.84	72	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	06/13/05	3:24 PM	28.50	81	0	0	0.3	19.5	--
American Martyr's Church & Rectory	GMSG-450	06/14/05	7:50 AM	28.33	66	0	0	0.4	19.1	--
American Martyr's Church & Rectory	GMSG-450	06/14/05	7:53 AM	28.33	66	0	0	0.2	19.3	--
American Martyr's Church & Rectory	GMSG-450	06/14/05	7:55 AM	28.33	66	0	--	--	--	--
American Martyr's Church & Rectory	GMSG-450	06/20/05	9:42 AM	28.88	83	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	06/27/05	4:38 PM	28.74	89	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	07/11/05	8:12 AM	28.92	79	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	08/01/05	10:31 AM	28.86	84	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	09/12/05	8:59 AM	28.78	79	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	10/11/05	2:25 PM	28.99	60	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	02/28/06	11:45 AM	28.76	20	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	04/10/06	11:01 AM	28.81	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	07/13/06	1:48 PM	28.76	93	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
American Martyr's Church & Rectory	GMSG-450	10/11/06	7:56 AM	28.13	43	0.04	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	02/03/07	9:58 AM	28.46	-1	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	04/05/07	10:52 AM	28.88	21	T	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	07/18/07	2:53 PM	29.85	83	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	10/23/07	9:50 AM	29.86	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	01/15/08	1:15 PM	30.00	24	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	04/14/08	3:25 PM	30.19	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	07/09/08	11:28 AM	29.88	71	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	10/21/08	12:00 PM	30.43	44	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	01/06/09	1:38 PM	28.35	18	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	04/02/09	9:57 AM	28.48	36	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	07/31/09	6:54 AM	28.64	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	10/23/09	10:03 AM	28.47	35	0.06	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	04/20/10	11:26 AM	28.69	67	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	11/03/10	11:08 AM	28.53	53	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	07/09/11	12:13 PM	28.64	74	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	10/24/12	12:30 PM	28.60	59	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	11/06/13	2:05 PM	28.61	36	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	08/12/14	4:02 PM	28.63	71	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-450	11/24/15	3:21 PM	28.98	36		--	--	--	0
American Martyr's Church & Rectory	GMSG-451	06/14/05	8:06 AM	28.33	66	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	06/20/05	9:40 AM	28.88	83	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	06/27/05	4:33 PM	28.74	89	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	07/11/05	8:04 AM	28.92	79	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	08/01/05	10:35 AM	28.86	84	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	09/12/05	9:20 AM	28.78	79	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	10/11/05	2:46 PM	28.99	57	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	02/28/06	12:04 PM	28.76	20	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	04/10/06	11:21 AM	28.81	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	07/13/06	1:43 PM	28.76	93	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	10/11/06	8:35 AM	28.11	42	0.07	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	02/03/07	10:24 AM	28.46	-1	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	04/05/07	11:24 AM	28.88	21	T	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	07/18/07	2:51 PM	29.85	83	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	10/23/07	10:07 AM	29.86	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	01/15/08	1:33 PM	29.99	25	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
American Martyr's Church & Rectory	GMSG-451	04/14/08	3:06 PM	30.19	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	07/09/08	11:24 AM	29.88	71	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	10/21/08	11:55 AM	30.43	44	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	01/06/09	1:30 PM	28.35	18	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	04/02/09	9:50 AM	28.48	36	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	07/31/09	7:10 AM	28.64	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	10/23/09	9:58 AM	28.47	35	0.06	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	04/20/10	11:11 AM	28.69	67	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	11/03/10	11:03 AM	28.53	53	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	07/09/11	12:20 PM	28.64	74	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	10/24/12	12:57 PM	28.60	59	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	11/08/13	2:00 PM	28.81	41	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	08/12/14	3:54 PM	28.63	71	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-451	08/24/15	3:14 PM	28.53	56	T	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	06/24/05	8:25 AM	28.61	82	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	06/27/05	4:41 PM	28.74	89	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	07/05/05	9:15 AM	28.84	60	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	07/11/05	8:14 AM	28.92	79	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	08/01/05	12:54 PM	28.85	85	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	09/12/05	9:04 AM	28.78	79	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	10/11/05	2:12 PM	28.99	60	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	02/28/06	11:05 AM	28.77	17	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	04/10/06	11:03 AM	28.81	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	07/13/06	1:52 PM	28.76	93	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	10/11/06	7:59 AM	28.13	43	0.04	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	02/03/07	11:18 AM	28.47	1	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	04/05/07	10:55 AM	28.88	21	T	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	07/18/07	2:55 PM	29.85	83	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	10/23/07	9:54 AM	29.86	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	01/15/08	1:20 PM	30.00	24	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	04/14/08	3:15 PM	30.19	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	07/09/08	11:30 AM	29.88	74	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	10/21/08	12:05 PM	30.43	44	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	01/06/09	1:44 PM	28.35	18	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	04/02/09	9:54 AM	28.48	36	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	07/31/09	6:58 AM	28.64	56	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
American Martyr's Church & Rectory	GMSG-458	10/23/09	10:08 AM	28.47	35	0.06	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	04/20/10	11:18 AM	28.69	67	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	11/03/10	11:10 AM	28.53	53	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	10/24/12	1:02 PM	28.60	59	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	11/06/13	10:00 AM	28.57	36	T	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	08/21/14	2:00 PM	28.69	69	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-458	08/10/15	4:29 PM	28.64	77	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	07/19/05	4:21 PM	28.78	82	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	07/25/05	8:38 AM	28.75	80	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	08/01/05	10:46 AM	28.86	84	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	09/12/05	9:07 AM	28.78	79	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	10/11/05	2:28 PM	28.99	60	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	11/08/05	2:55 PM	28.81	47	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	02/28/06	11:18 AM	28.77	17	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	04/10/06	11:08 AM	28.81	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	07/13/06	2:13 PM	28.76	93	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	10/11/06	8:10 AM	28.13	43	0.04	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	02/03/07	11:11 AM	28.47	1	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	04/05/07	11:02 AM	28.88	21	T	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	07/18/07	3:00 PM	29.85	83	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	10/23/07	9:41 AM	29.86	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	01/15/08	1:24 PM	30.00	24	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	04/14/08	3:13 PM	30.19	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	07/09/08	11:35 AM	29.88	74	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	10/21/08	12:09 PM	30.43	44	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	01/06/09	1:48 PM	28.35	18	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	04/02/09	9:59 AM	28.48	36	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	07/31/09	7:00 AM	28.64	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	10/23/09	10:10 AM	28.47	35	0.06	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	04/20/10	11:20 AM	28.69	67	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	11/03/10	11:14 AM	28.53	53	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	07/09/11	12:06 PM	28.64	74	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	10/24/12	12:48 PM	28.60	59	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	11/08/13	2:00 PM	28.81	41	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	08/21/14	2:19 PM	28.69	69	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-465	08/10/15	4:27 PM	28.64	77	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
American Martyr's Church & Rectory	GMSG-466	07/19/05	4:29 PM	28.78	82	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	07/25/05	8:35 AM	28.75	80	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	08/01/05	10:49 AM	28.86	84	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	09/12/05	8:55 AM	28.78	79	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	10/11/05	2:05 PM	28.99	60	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	11/08/05	3:00 PM	28.81	47	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	02/28/06	10:53 AM	28.77	17	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	04/10/06	10:58 AM	28.81	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	07/13/06	2:07 PM	28.76	93	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	10/11/06	8:03 AM	28.13	43	0.04	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	02/05/07	12:45 PM	29.09	4	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	04/05/07	10:49 AM	28.88	21	T	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	07/18/07	3:04 PM	29.85	83	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	10/23/07	9:48 AM	29.86	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	01/15/08	1:12 PM	30.00	24	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	04/14/08	3:29 PM	30.19	48	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	07/09/08	11:40 AM	29.88	74	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	10/21/08	12:21 PM	30.43	44	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	04/02/09	10:09 AM	28.48	36	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	07/31/09	7:06 AM	28.64	56	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	10/23/09	10:21 AM	28.47	35	0.06	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	04/20/10	11:33 AM	28.65	68	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	11/03/10	11:26 AM	28.53	53	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	07/09/11	12:10 PM	28.64	74	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	10/24/12	12:35 PM	28.60	59	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	11/06/13	2:18 PM	28.61	36	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	08/12/14	4:13 PM	28.63	71	0	--	--	--	0
American Martyr's Church & Rectory	GMSG-466	08/10/15	4:33 PM	28.64	78	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	06/13/99	7:33 AM	28.83	64	0	0	0.4	19.2	--
American Martyr's Parish Church-School	GMSG-22	06/16/99	7:53 AM	28.96	45	T	0	0.6	19.1	--
American Martyr's Parish Church-School	GMSG-22	06/17/99	2:36 PM	28.97	67	0	0	0.4	19.9	--
American Martyr's Parish Church-School	GMSG-22	06/18/99	8:00 AM	29.04	66	0	0	0.4	19.9	--
American Martyr's Parish Church-School	GMSG-22	06/19/99	11:30 AM	29.01	70	0	0	0.4	19.9	--
American Martyr's Parish Church-School	GMSG-22	06/20/99	11:15 AM	29.01	73	0	0	0.4	19.9	--
American Martyr's Parish Church-School	GMSG-22	07/10/99	4:20 PM	28.91	73	0	0	0.6	19.5	--
American Martyr's Parish Church-School	GMSG-22	07/27/99	2:33 PM	28.71	81	0	0	0.7	19.6	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
American Martyr's Parish Church-School	GMSG-22	08/07/99	2:48 PM	28.49	78	0	0	0.8	19.3	--
American Martyr's Parish Church-School	GMSG-22	09/24/99	8:50 AM	28.69	51	0	0	0.7	20.1	--
American Martyr's Parish Church-School	GMSG-22	10/06/99	10:38 AM	29.05	41	0	0	0.6	19.2	--
American Martyr's Parish Church-School	GMSG-22	10/27/99	8:43 AM	28.99	36	0	0	0.3	20.6	--
American Martyr's Parish Church-School	GMSG-22	11/05/99	12:38 PM	28.74	53	0	0	0.2	20.6	--
American Martyr's Parish Church-School	GMSG-22	11/09/99	12:30 PM	28.42	72	0	0	0.4	20.1	--
American Martyr's Parish Church-School	GMSG-22	02/18/00	10:37 AM	28.92	19	0	0	0	20.8	--
American Martyr's Parish Church-School	GMSG-22	03/19/00	9:43 AM	28.87	31	0	0	0	20.5	--
American Martyr's Parish Church-School	GMSG-22	04/03/00	9:29 AM	28.34	41	0	0	0.1	18	--
American Martyr's Parish Church-School	GMSG-22	10/10/00	2:43 PM	28.79	67	0	0	0.5	20.8	--
American Martyr's Parish Church-School	GMSG-22	05/20/01	9:23 AM	28.66	70	0	0	0.3	18.5	--
American Martyr's Parish Church-School	GMSG-22	09/11/01	4:19 PM	28.94	63	0	0	0	20.4	--
American Martyr's Parish Church-School	GMSG-22	09/24/01	3:37 PM	29.08	48	0	0	0.3	20.5	--
American Martyr's Parish Church-School	GMSG-22	10/22/01	9:08 AM	28.82	45	0	0	0.2	20.5	--
American Martyr's Parish Church-School	GMSG-22	11/13/01	10:52 AM	28.79	44	0	0	0.1	20.2	--
American Martyr's Parish Church-School	GMSG-22	02/13/02	10:51 AM	28.90	19	0	0	0	19.7	--
American Martyr's Parish Church-School	GMSG-22	06/26/02	10:39 AM	28.59	80	0	0	0.5	20.4	--
American Martyr's Parish Church-School	GMSG-22	09/30/02	12:16 PM	28.56	73	0	0	0.4	20.5	0
American Martyr's Parish Church-School	GMSG-22	11/21/02	10:13 AM	28.68	32	0	0	0	20.4	0
American Martyr's Parish Church-School	GMSG-22	01/29/03	12:20 PM	29.10	13	0	0	0	20.1	0
American Martyr's Parish Church-School	GMSG-22	04/22/03	10:49 AM	28.86	45	0	0	0	20	0
American Martyr's Parish Church-School	GMSG-22	08/05/03	9:38 AM	28.72	77	0	0	0.3	19.1	0
American Martyr's Parish Church-School	GMSG-22	11/03/03	2:30 PM	29.02	32	T	0	0.1	19.4	0
American Martyr's Parish Church-School	GMSG-22	01/21/04	9:13 AM	28.46	13	T	0	0	19	0
American Martyr's Parish Church-School	GMSG-22	04/18/04	3:34 PM	28.35	58	0	0	0.1	17.5	0
American Martyr's Parish Church-School	GMSG-22	07/14/04	11:20 AM	28.68	75	0	0	0.4	19	0
American Martyr's Parish Church-School	GMSG-22	10/29/04	2:23 PM	28.35	57	0	0	0.2	19.8	0
American Martyr's Parish Church-School	GMSG-22	01/28/05	1:25 PM	29.18	24	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	04/05/05	7:39 AM	28.57	45	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	07/05/05	2:07 PM	28.87	68	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	10/11/05	2:37 PM	28.99	57	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	02/28/06	11:38 AM	28.76	20	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	04/10/06	11:15 AM	28.81	56	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	07/13/06	1:24 PM	28.76	92	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	10/11/06	7:48 AM	28.13	43	0.04	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	02/03/07	9:38 AM	28.46	-1	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
American Martyr's Parish Church-School	GMSG-22	04/05/07	11:16 AM	28.88	21	T	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	07/18/07	2:47 PM	29.85	83	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	10/23/07	9:29 AM	29.88	44	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	01/15/08	1:39 PM	29.99	25	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	04/14/08	3:01 PM	30.19	48	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	07/23/08	11:03 AM	30.17	77	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	10/21/08	11:50 AM	30.43	44	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	01/06/09	2:15 PM	28.35	18	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	04/02/09	10:07 AM	28.48	36	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	07/31/09	6:45 AM	28.64	56	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	10/23/09	10:18 AM	28.47	35	0.06	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	04/20/10	11:30 AM	28.65	68	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	11/03/10	11:22 AM	28.53	53	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	07/09/11	11:48 AM	28.64	74	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	10/24/12	12:22 PM	28.61	59	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	11/06/13	1:51 PM	28.61	36	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	08/12/14	3:41 PM	28.63	71	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-22	08/10/15	4:13 PM	28.64	77	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	06/13/05	2:20 PM	28.50	83	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	06/20/05	9:50 AM	28.88	83	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	06/27/05	4:47 PM	28.74	89	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	07/11/05	8:22 AM	28.92	79	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	08/01/05	10:25 AM	28.87	81	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	09/12/05	9:14 AM	28.78	79	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	10/11/05	2:33 PM	28.99	57	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	02/28/06	11:34 AM	28.76	20	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	04/10/06	11:13 AM	28.81	56	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	07/13/06	1:28 PM	28.76	92	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	10/11/06	8:19 AM	28.13	43	0.04	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	02/03/07	9:31 AM	28.46	-1	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	04/05/07	11:13 AM	28.88	21	T	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	07/18/07	3:10 PM	29.85	83	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	10/23/07	9:32 AM	29.86	48	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	01/15/08	1:36 PM	29.99	25	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	04/14/08	2:59 PM	30.19	48	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	07/09/08	11:45 AM	29.88	74	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
American Martyr's Parish Church-School	GMSG-448	10/21/08	12:16 PM	30.43	44	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	01/06/09	2:11 PM	28.35	18	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	04/02/09	10:05 AM	28.48	36	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	07/31/09	6:47 AM	28.64	56	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	10/23/09	10:16 AM	28.47	35	0.06	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	04/20/10	11:28 AM	28.69	67	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	11/03/10	11:21 AM	28.53	53	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	07/09/11	11:50 AM	28.64	74	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	10/24/12	1:13 PM	28.60	59	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	11/06/13	2:24 PM	28.61	36	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	08/12/14	3:45 PM	28.63	71	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-448	08/10/15	4:10 PM	28.64	77	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	06/24/05	8:21 AM	28.61	82	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	06/27/05	4:36 PM	28.74	89	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	07/05/05	9:12 AM	28.84	60	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	07/11/05	8:08 AM	28.92	79	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	08/01/05	10:40 AM	28.86	84	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	09/12/05	9:23 AM	28.78	79	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	10/11/05	2:50 PM	28.99	57	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	02/28/06	1:37 PM	28.74	26	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	04/10/06	11:23 AM	28.81	56	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	07/13/06	2:25 PM	28.76	93	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	10/11/06	8:30 AM	28.11	42	0.07	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	02/03/07	10:31 AM	28.47	1	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	04/05/07	11:27 AM	28.88	21	T	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	07/18/07	3:13 PM	29.85	83	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	10/23/07	10:10 AM	29.86	48	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	01/15/08	1:08 PM	30.00	24	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	04/14/08	3:04 PM	30.19	48	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	07/09/08	11:26 AM	29.88	71	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	10/21/08	11:58 AM	30.43	44	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	01/06/09	1:33 PM	28.35	18	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	04/02/09	9:52 AM	28.48	36	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	07/31/09	7:14 AM	28.64	56	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	10/23/09	10:00 AM	28.47	35	0.06	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	04/20/10	11:13 AM	28.69	67	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
American Martyr's Parish Church-School	GMSG-457	11/03/10	11:05 AM	28.53	53	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	07/09/11	12:22 PM	28.64	74	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	10/24/12	1:08 PM	28.60	59	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	11/08/13	2:00 PM	28.81	41	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	08/12/14	3:50 PM	28.63	71	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-457	08/24/15	3:10 PM	28.53	56	T	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	07/19/05	4:25 PM	28.78	82	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	07/25/05	8:41 AM	28.75	80	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	08/01/05	11:15 AM	28.86	84	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	09/12/05	9:17 AM	28.78	79	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	10/11/05	2:41 PM	28.99	57	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	11/08/05	3:10 PM	28.81	47	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	02/28/06	11:00 AM	28.77	17	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	04/10/06	11:18 AM	28.81	56	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	07/13/06	2:30 PM	28.76	93	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	10/11/06	7:51 AM	28.13	43	0.04	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	04/05/07	11:21 AM	28.88	21	T	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	07/18/07	2:49 PM	29.85	83	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	10/23/07	10:00 AM	29.86	48	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	01/15/08	1:02 PM	30.00	24	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	04/14/08	3:02 PM	30.19	48	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	07/09/08	11:22 AM	29.88	71	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	10/21/08	11:52 AM	30.43	44	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	01/06/09	1:25 PM	28.35	16	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	04/02/09	9:49 AM	28.48	36	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	07/31/09	7:17 AM	28.64	56	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	10/23/09	9:56 AM	28.47	35	0.06	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	04/20/10	11:09 AM	28.69	67	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	11/03/10	11:00 AM	28.53	53	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	07/09/11	12:17 PM	28.64	74	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	10/24/12	12:27 PM	28.61	59	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	11/06/13	1:56 PM	28.61	36	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	08/12/14	3:35 PM	28.63	71	0	--	--	--	0
American Martyr's Parish Church-School	GMSG-468	08/10/15	4:17 PM	28.64	77	0	--	--	--	0
Back in Motion	GMSG-673	07/23/10	10:30 AM	28.51	73	0	--	--	--	0
Back in Motion	GMSG-673	07/27/10	7:45 AM	28.73	76	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Back in Motion	GMSG-673	08/05/10	2:30 PM	28.52	76	0	--	--	--	0
Back in Motion	GMSG-673	08/10/10	8:50 AM	28.76	81	0	--	--	--	0
Back in Motion	GMSG-673	09/02/10	1:51 PM	28.52	66	0	--	--	--	0
Back in Motion	GMSG-673	10/07/10	1:22 PM	28.76	69	0	--	--	--	0
Back in Motion	GMSG-673	11/01/10	1:43 PM	29.11	50	0	--	--	--	0
Back in Motion	GMSG-673	01/28/11	11:33 AM	28.60	17	T	--	--	--	0
Back in Motion	GMSG-673	05/03/11	11:05 AM	28.96	42	0	--	--	--	0
Back in Motion	GMSG-673	07/10/11	8:19 AM	28.59	78	0	--	--	--	0
Back in Motion	GMSG-673	11/09/11	3:37 PM	28.38	33	0.01	--	--	--	0
Back in Motion	GMSG-673	01/25/12	2:37 PM	28.84	42	0	--	--	--	0
Back in Motion	GMSG-673	04/30/12	1:13 PM	28.64	47	0	--	--	--	0
Back in Motion	GMSG-673	08/16/12	2:04 PM	28.47	72	0	--	--	--	0
Back in Motion	GMSG-673	11/01/12	2:28 PM	28.52	44	0	--	--	--	0
Back in Motion	GMSG-673	05/10/13	11:51 AM	28.74	53	0	--	--	--	0
Back in Motion	GMSG-673	11/09/13	9:40 AM	28.36	41	0	--	--	--	0
Back in Motion	GMSG-673	08/14/14	1:30 PM	28.81	72	0	--	--	--	0
Back in Motion	GMSG-673	08/05/15	11:21 AM	28.83	67	0	--	--	--	0
Back in Motion	GMSG-674	01/28/10	11:33 AM	28.99	3	T	--	--	--	0
Back in Motion	GMSG-674	07/23/10	10:33 AM	28.51	73	0	--	--	--	0
Back in Motion	GMSG-674	07/27/10	7:47 AM	28.73	76	0	--	--	--	0
Back in Motion	GMSG-674	08/05/10	2:33 PM	28.52	76	0	--	--	--	0
Back in Motion	GMSG-674	08/10/10	8:50 AM	28.76	81	0	--	--	--	0
Back in Motion	GMSG-674	09/02/10	1:52 PM	28.52	66	0	--	--	--	0
Back in Motion	GMSG-674	10/07/10	1:17 PM	28.76	69	0	--	--	--	0
Back in Motion	GMSG-674	11/01/10	1:38 PM	29.11	50	0	--	--	--	0
Back in Motion	GMSG-674	01/25/11	11:38 AM	28.66	21	T	--	--	--	0
Back in Motion	GMSG-674	05/03/11	11:12 AM	28.96	42	0	--	--	--	0
Back in Motion	GMSG-674	07/10/11	8:21 AM	28.59	78	0	--	--	--	0
Back in Motion	GMSG-674	11/09/11	3:32 PM	28.38	33	0.01	--	--	--	0
Back in Motion	GMSG-674	01/25/12	2:41 PM	28.84	42	0	--	--	--	0
Back in Motion	GMSG-674	04/30/12	1:07 PM	28.64	47	0	--	--	--	0
Back in Motion	GMSG-674	08/16/12	2:06 PM	28.47	72	0	--	--	--	0
Back in Motion	GMSG-674	11/01/12	2:27 PM	28.52	44	0	--	--	--	0
Back in Motion	GMSG-674	05/10/13	11:43 AM	28.74	53	0	--	--	--	0
Back in Motion	GMSG-674	11/09/13	9:40 AM	28.36	41	0	--	--	--	0
Back in Motion	GMSG-674	08/14/14	1:35 PM	28.81	72	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Back in Motion	GMSG-674	08/05/15	11:18 AM	28.83	67	0	--	--	--	0
Back in Motion	GMSG-675	07/23/10	10:36 AM	28.51	73	0	--	--	--	0
Back in Motion	GMSG-675	07/27/10	7:49 AM	28.73	76	0	--	--	--	0
Back in Motion	GMSG-675	08/05/10	2:35 PM	28.52	76	0	--	--	--	0
Back in Motion	GMSG-675	08/10/10	8:50 AM	28.76	81	0	--	--	--	0
Back in Motion	GMSG-675	09/02/10	1:54 PM	28.52	66	0	--	--	--	0
Back in Motion	GMSG-675	10/07/10	1:18 PM	28.76	69	0	--	--	--	0
Back in Motion	GMSG-675	11/01/10	1:40 PM	29.11	50	0	--	--	--	0
Back in Motion	GMSG-675	01/25/11	11:45 AM	28.66	21	T	--	--	--	0
Back in Motion	GMSG-675	05/03/11	11:10 AM	28.96	42	0	--	--	--	0
Back in Motion	GMSG-675	07/10/11	8:15 AM	28.59	78	0	--	--	--	0
Back in Motion	GMSG-675	11/09/11	3:33 PM	28.38	33	0.01	--	--	--	0
Back in Motion	GMSG-675	01/25/12	2:30 PM	28.84	42	0	--	--	--	0
Back in Motion	GMSG-675	04/30/12	1:09 PM	28.64	47	0	--	--	--	0
Back in Motion	GMSG-675	08/16/12	2:00 PM	28.47	72	0	--	--	--	0
Back in Motion	GMSG-675	11/01/12	2:25 PM	28.52	44	0	--	--	--	0
Back in Motion	GMSG-675	05/10/13	11:45 AM	28.74	53	0	--	--	--	0
Back in Motion	GMSG-675	11/09/13	9:40 AM	28.36	41	0	--	--	--	0
Back in Motion	GMSG-675	08/14/14	1:38 PM	28.81	72	0	--	--	--	0
Back in Motion	GMSG-675	08/05/15	11:27 AM	28.83	67	0	--	--	--	0
Back in Motion	GMSG-676	07/23/10	10:40 AM	28.51	73	0	--	--	--	0
Back in Motion	GMSG-676	07/27/10	7:52 AM	28.73	76	0	--	--	--	0
Back in Motion	GMSG-676	08/05/10	2:37 PM	28.52	76	0	--	--	--	0
Back in Motion	GMSG-676	08/10/10	8:50 AM	28.76	81	0	--	--	--	0
Back in Motion	GMSG-676	09/02/10	1:56 PM	28.52	66	0	--	--	--	0
Back in Motion	GMSG-676	10/07/10	1:20 PM	28.76	69	0	--	--	--	0
Back in Motion	GMSG-676	11/01/10	1:42 PM	29.11	50	0	--	--	--	0
Back in Motion	GMSG-676	01/25/11	11:48 AM	28.66	21	T	--	--	--	0
Back in Motion	GMSG-676	05/03/11	11:08 AM	28.96	42	0	--	--	--	0
Back in Motion	GMSG-676	07/10/11	8:17 AM	28.59	78	0	--	--	--	0
Back in Motion	GMSG-676	11/09/11	3:35 PM	28.38	33	0.01	--	--	--	0
Back in Motion	GMSG-676	01/25/12	2:33 PM	28.84	42	0	--	--	--	0
Back in Motion	GMSG-676	04/30/12	1:10 PM	28.64	47	0	--	--	--	0
Back in Motion	GMSG-676	08/16/12	2:02 PM	28.47	72	0	--	--	--	0
Back in Motion	GMSG-676	11/01/12	2:30 PM	28.54	41	0	--	--	--	0
Back in Motion	GMSG-676	05/10/13	11:48 AM	28.74	53	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Back in Motion	GMSG-676	11/09/13	9:40 AM	28.36	41	0	--	--	--	0
Back in Motion	GMSG-676	08/14/14	1:41 PM	28.81	72	0	--	--	--	0
Back in Motion	GMSG-676	08/05/15	11:21 AM	28.83	67	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	10/14/03	5:27 PM	28.52	49	0	0	0.3	19.1	0
Balsam Street Christian Church	GMSG-409	10/29/03	2:59 PM	28.51	41	0	0	0.4	18.8	0
Balsam Street Christian Church	GMSG-409	11/11/03	2:06 PM	28.48	48	0	0	0	19.6	0
Balsam Street Christian Church	GMSG-409	12/18/03	1:44 PM	28.51	25	0	0	0.4	19.1	0
Balsam Street Christian Church	GMSG-409	01/21/04	9:40 AM	28.43	14	T	0	0.4	18.8	0
Balsam Street Christian Church	GMSG-409	04/19/04	7:58 AM	28.50	41	T	0	0.3	17.6	0
Balsam Street Christian Church	GMSG-409	07/14/04	12:10 PM	28.67	76	0	0	0.3	19.1	0
Balsam Street Christian Church	GMSG-409	10/30/04	8:55 AM	27.94	55	0	0	0.3	19.5	0
Balsam Street Christian Church	GMSG-409	02/07/05	2:53 PM	28.88	27	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	04/04/05	3:42 PM	28.72	55	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	07/05/05	12:40 PM	28.88	66	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	10/12/05	3:12 PM	28.87	56	0.02	--	--	--	0
Balsam Street Christian Church	GMSG-409	02/17/06	11:46 AM	29.09	12	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	04/06/06	2:46 PM	28.50	57	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	07/13/06	8:58 AM	28.78	83	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	10/11/06	9:53 AM	28.08	43	0.04	--	--	--	0
Balsam Street Christian Church	GMSG-409	02/03/07	8:00 AM	28.42	-13	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	04/06/07	11:33 AM	28.75	20	T	--	--	--	0
Balsam Street Christian Church	GMSG-409	07/19/07	2:48 PM	30.06	62	T	--	--	--	0
Balsam Street Christian Church	GMSG-409	10/17/07	1:53 PM	29.86	58	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	01/16/08	10:47 AM	29.95	25	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	04/14/08	10:22 AM	30.29	41	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	07/09/08	8:56 AM	29.88	67	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	10/21/08	2:53 PM	30.41	44	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	01/06/09	11:06 AM	28.44	4	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	04/02/09	10:57 AM	28.47	37	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	07/31/09	9:11 AM	28.64	63	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	10/23/09	12:20 PM	28.38	35	0.1	--	--	--	0
Balsam Street Christian Church	GMSG-409	04/19/10	3:12 PM	28.88	64	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	11/03/10	1:21 PM	28.48	55	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	07/08/11	9:58 AM	28.64	76	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	10/22/12	2:23 PM	28.72	63	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	11/06/13	11:19 AM	28.56	37	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Balsam Street Christian Church	GMSG-409	08/12/14	11:48 AM	28.63	61	0	--	--	--	0
Balsam Street Christian Church	GMSG-409	08/07/15	11:18 AM	28.64	62	T	--	--	--	0
Balsam Street Christian Church	GMSG-410	10/14/03	5:18 PM	28.52	49	0	0	0.2	19.5	0
Balsam Street Christian Church	GMSG-410	10/29/03	3:00 PM	28.51	41	0	0	0	19.2	0
Balsam Street Christian Church	GMSG-410	11/11/03	2:09 PM	28.48	48	0	0	0	19.6	0
Balsam Street Christian Church	GMSG-410	12/18/03	1:49 PM	28.51	25	0	0	0	19.4	0
Balsam Street Christian Church	GMSG-410	01/21/04	9:46 AM	28.43	14	T	0	0	18.9	0
Balsam Street Christian Church	GMSG-410	04/19/04	8:04 AM	28.50	41	T	0	0	17.7	0
Balsam Street Christian Church	GMSG-410	07/14/04	12:06 PM	28.67	76	0	0	0	19.4	0
Balsam Street Christian Church	GMSG-410	10/30/04	9:00 AM	27.94	55	0	0	0	20	0
Balsam Street Christian Church	GMSG-410	02/07/05	3:08 PM	28.88	27	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	04/04/05	3:46 PM	28.72	55	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	07/05/05	12:50 PM	28.88	66	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	10/12/05	3:20 PM	28.87	56	0.02	--	--	--	0
Balsam Street Christian Church	GMSG-410	02/17/06	12:02 PM	29.09	12	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	04/06/06	2:51 PM	28.50	57	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	07/13/06	9:07 AM	28.78	83	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	10/11/06	10:00 AM	28.08	43	0.04	--	--	--	0
Balsam Street Christian Church	GMSG-410	02/03/07	8:09 AM	28.42	-13	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	04/06/07	11:27 AM	28.76	20	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	07/19/07	2:43 PM	30.06	62	T	--	--	--	0
Balsam Street Christian Church	GMSG-410	10/17/07	2:02 PM	29.86	58	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	01/16/08	10:55 AM	29.95	25	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	04/14/08	10:26 AM	30.29	41	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	07/09/08	9:00 AM	29.88	67	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	10/21/08	2:57 PM	30.41	44	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	01/06/09	10:56 AM	28.44	4	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	04/02/09	11:02 AM	28.47	37	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	07/31/09	9:16 AM	28.64	63	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	10/23/09	12:23 PM	28.38	35	0.1	--	--	--	0
Balsam Street Christian Church	GMSG-410	04/19/10	3:15 PM	28.88	64	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	11/03/10	1:24 PM	28.48	55	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	07/08/11	10:35 AM	28.64	79	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	10/22/12	2:28 PM	28.72	63	0	--	--	--	0
Balsam Street Christian Church	GMSG-410	11/06/13	11:25 AM	28.56	37	T	--	--	--	0
Balsam Street Christian Church	GMSG-410	08/12/14	11:40 AM	28.63	61	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Balsam Street Christian Church	GMSG-410	08/07/15	11:29 AM	28.64	62	T	--	--	--	0
Balsam Street Christian Church	GMSG-510	09/15/05	10:39 AM	29.00	66	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	09/20/05	2:15 PM	28.79	79	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	09/29/05	12:03 PM	28.82	53	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	10/12/05	3:15 PM	28.87	56	0.02	--	--	--	0
Balsam Street Christian Church	GMSG-510	11/08/05	3:20 PM	28.81	47	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	12/07/05	11:53 AM	29.26	22	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	02/17/06	11:52 AM	29.09	12	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	04/06/06	2:48 PM	28.50	57	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	07/13/06	9:03 AM	28.78	83	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	10/11/06	9:56 AM	28.08	43	0.04	--	--	--	0
Balsam Street Christian Church	GMSG-510	02/03/07	8:04 AM	28.42	-13	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	04/06/07	11:31 AM	28.75	20	T	--	--	--	0
Balsam Street Christian Church	GMSG-510	07/19/07	2:46 PM	30.06	62	T	--	--	--	0
Balsam Street Christian Church	GMSG-510	10/17/07	2:07 PM	29.86	58	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	01/16/08	10:49 AM	29.95	25	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	04/14/08	10:24 AM	30.29	41	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	07/09/08	8:58 AM	29.88	67	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	10/21/08	2:51 PM	30.41	44	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	01/06/09	11:00 AM	28.44	4	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	04/02/09	10:59 AM	28.47	37	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	07/31/09	9:14 AM	28.64	63	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	10/23/09	12:22 PM	28.38	35	0.1	--	--	--	0
Balsam Street Christian Church	GMSG-510	04/19/10	3:13 PM	28.88	64	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	11/03/10	1:22 PM	28.48	55	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	07/08/11	10:28 AM	28.64	76	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	10/22/12	2:26 PM	28.72	63	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	11/06/13	11:23 AM	28.56	37	T	--	--	--	0
Balsam Street Christian Church	GMSG-510	08/12/14	11:45 AM	28.63	61	0	--	--	--	0
Balsam Street Christian Church	GMSG-510	08/07/15	11:14 AM	28.64	62	T	--	--	--	0
Balsam Street Christian Church	GMSG-514	10/31/05	3:15 PM	28.73	51	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	11/08/05	8:45 AM	28.90	36	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	11/14/05	1:46 PM	29.02	39	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	11/23/05	9:55 AM	28.02	26	0.01	--	--	--	0
Balsam Street Christian Church	GMSG-514	12/07/05	11:48 AM	29.26	22	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	02/17/06	11:43 AM	29.09	12	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Balsam Street Christian Church	GMSG-514	04/06/06	2:54 PM	28.50	57	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	07/13/06	8:53 AM	28.78	83	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	10/11/06	10:06 AM	28.08	43	0.04	--	--	--	0
Balsam Street Christian Church	GMSG-514	02/04/07	12:46 PM	28.84	-7	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	04/06/07	11:36 AM	28.75	20	T	--	--	--	0
Balsam Street Christian Church	GMSG-514	07/19/07	2:40 PM	30.06	62	T	--	--	--	0
Balsam Street Christian Church	GMSG-514	10/17/07	1:58 PM	29.86	58	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	01/16/08	10:44 AM	29.95	25	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	04/14/08	10:20 AM	30.29	41	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	07/09/08	8:53 AM	29.88	67	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	10/21/08	2:55 PM	30.41	44	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	01/06/09	10:52 AM	28.44	4	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	04/02/09	10:55 AM	28.47	37	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	07/31/09	9:09 AM	28.64	63	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	10/23/09	12:18 PM	28.38	35	0.1	--	--	--	0
Balsam Street Christian Church	GMSG-514	04/19/10	3:10 PM	28.88	64	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	11/03/10	1:19 PM	28.48	55	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	07/08/11	10:45 AM	28.64	79	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	10/22/12	2:21 PM	28.72	63	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	11/06/13	11:14 AM	28.56	37	T	--	--	--	0
Balsam Street Christian Church	GMSG-514	08/12/14	11:37 AM	28.63	61	0	--	--	--	0
Balsam Street Christian Church	GMSG-514	08/07/15	11:23 AM	28.64	62	T	--	--	--	0
Beacon Ambulance	GMSG-94	11/19/02	2:31 PM	28.56	46	0	0	1.7	16.7	0
Beacon Ambulance	GMSG-94	11/26/02	2:04 PM	29.13	29	0	0	1.5	18.1	0
Beacon Ambulance	GMSG-94	12/02/02	10:42 AM	28.83	15	0	0	1.5	17.7	0
Beacon Ambulance	GMSG-94	01/02/03	10:31 AM	28.99	21	0	0	1.4	18.1	0
Beacon Ambulance	GMSG-94	01/28/03	11:58 AM	28.76	22	0	0	1.8	17	0
Beacon Ambulance	GMSG-94	03/04/03	12:06 PM	28.64	14	T	0	1.7	17.3	0
Beacon Ambulance	GMSG-94	04/21/03	10:03 AM	28.46	38	T	0	1.8	15.4	0
Beacon Ambulance	GMSG-94	08/04/03	10:37 AM	28.75	70	0	0	1.1	17.7	0
Beacon Ambulance	GMSG-94	10/14/03	6:08 PM	28.54	46	0	0	2	16.3	0
Beacon Ambulance	GMSG-94	02/02/04	9:22 AM	28.96	24	0	0	0	19.6	0
Beacon Ambulance	GMSG-94	04/17/04	10:26 AM	28.92	56	0	0	0.4	17.5	0
Beacon Ambulance	GMSG-94	06/07/04	10:22 AM	28.62	80	0	0	0.7	18.7	0
Beacon Ambulance	GMSG-94	06/07/04	2:01 PM	28.54	84	0	0	0.7	18.8	0
Beacon Ambulance	GMSG-94	06/08/04	8:23 AM	28.63	80	0	0	0.7	18.8	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Beacon Ambulance	GMSG-94	06/08/04	1:35 PM	28.69	87	0	0	0	19.1	0
Beacon Ambulance	GMSG-94	06/08/04	5:50 PM	28.72	82	0	0	0.4	19.6	0
Beacon Ambulance	GMSG-94	06/09/04	7:53 AM	28.86	57	0.01	0	0.7	19	0
Beacon Ambulance	GMSG-94	06/09/04	10:19 AM	28.90	55	0.04	0	0.6	19.2	0
Beacon Ambulance	GMSG-94	06/09/04	2:25 PM	28.91	54	T	0	0.6	19.2	0
Beacon Ambulance	GMSG-94	06/09/04	6:20 PM	28.90	52	0	0	0.6	19.2	0
Beacon Ambulance	GMSG-94	06/10/04	8:53 AM	28.90	59	0	0	0.6	19.2	0
Beacon Ambulance	GMSG-94	06/10/04	12:07 PM	28.86	65	0	0	0.5	19.5	0
Beacon Ambulance	GMSG-94	06/10/04	2:39 PM	28.82	67	0	0	0.6	19.3	0
Beacon Ambulance	GMSG-94	06/10/04	4:30 PM	28.80	65	0	0	0.5	19.3	0
Beacon Ambulance	GMSG-94	06/11/04	8:35 AM	28.78	56	0	0	0.6	18.9	0
Beacon Ambulance	GMSG-94	06/11/04	12:01 PM	28.79	58	0	--	--	--	0
Beacon Ambulance	GMSG-94	06/11/04	3:45 PM	28.77	61	0	--	--	--	0
Beacon Ambulance	GMSG-94	06/12/04	9:25 AM	28.74	55	0	--	--	--	0
Beacon Ambulance	GMSG-94	06/12/04	2:28 PM	28.66	75	0	0	0.5	19.2	0
Beacon Ambulance	GMSG-94	06/12/04	4:57 PM	28.65	79	0	0	0.5	19.5	--
Beacon Ambulance	GMSG-94	06/13/04	8:00 AM	28.57	65	0	0	0.5	19.2	--
Beacon Ambulance	GMSG-94	06/13/04	2:54 PM	28.49	69	0	0	0.6	19.1	--
Beacon Ambulance	GMSG-94	06/13/04	6:25 PM	28.45	73	0	0	0.5	19.2	--
Beacon Ambulance	GMSG-94	06/14/04	9:53 AM	28.59	67	0	0	0.6	19.9	0
Beacon Ambulance	GMSG-94	06/14/04	12:08 PM	28.59	68	0.01	0	0.8	18.7	0
Beacon Ambulance	GMSG-94	06/14/04	2:17 PM	28.57	72	T	0	0.6	19.5	0
Beacon Ambulance	GMSG-94	06/14/04	8:17 PM	28.67	64	0	0	0.5	19.7	0
Beacon Ambulance	GMSG-94	06/15/04	8:12 AM	28.85	58	0	0	0.6	19.4	0
Beacon Ambulance	GMSG-94	06/15/04	12:07 PM	28.86	67	0	0	2.6	19	0
Beacon Ambulance	GMSG-94	06/15/04	3:32 PM	28.83	71	0	0	0.3	19.9	0
Beacon Ambulance	GMSG-94	06/16/04	8:13 AM	28.82	67	0	0	0.5	19.5	0
Beacon Ambulance	GMSG-94	06/16/04	11:18 AM	28.80	79	0	0	0.5	20.1	0
Beacon Ambulance	GMSG-94	06/16/04	2:23 PM	28.76	82	0	0	0.6	19.4	0
Beacon Ambulance	GMSG-94	06/17/04	7:54 AM	28.82	59	T	0	0.7	19.3	0
Beacon Ambulance	GMSG-94	06/17/04	2:21 PM	28.81	75	0	0	0.4	20.4	0
Beacon Ambulance	GMSG-94	06/17/04	6:11 PM	28.81	71	0	0	0.4	20	0
Beacon Ambulance	GMSG-94	06/18/04	7:58 AM	28.85	69	0	0	0.5	19.7	0
Beacon Ambulance	GMSG-94	06/18/04	11:16 AM	28.82	74	0	0	0.7	19.9	0
Beacon Ambulance	GMSG-94	06/18/04	8:17 PM	28.96	53	0	0	0.3	19.9	0
Beacon Ambulance	GMSG-94	06/19/04	8:24 AM	29.07	55	0	0	0.6	19.3	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Beacon Ambulance	GMSG-94	06/19/04	12:05 PM	29.03	65	0	0	0.5	19.7	0
Beacon Ambulance	GMSG-94	06/19/04	3:49 PM	28.95	66	0	0	0.4	20.3	0
Beacon Ambulance	GMSG-94	06/20/04	8:42 AM	28.77	66	0	0	0.5	19.5	0
Beacon Ambulance	GMSG-94	06/20/04	1:45 PM	28.68	74	0	0	0.5	19.8	0
Beacon Ambulance	GMSG-94	06/21/04	8:41 AM	28.48	69	0	0	0.5	19.5	0
Beacon Ambulance	GMSG-94	06/21/04	12:37 PM	28.42	74	0	0	0.6	19.4	0
Beacon Ambulance	GMSG-94	06/21/04	5:25 PM	28.43	59	0.13	0	0.4	19.6	0
Beacon Ambulance	GMSG-94	06/22/04	8:10 AM	28.59	57	0	0	0.6	19.4	0
Beacon Ambulance	GMSG-94	06/22/04	1:45 PM	28.61	66	0	0	0.5	19.8	0
Beacon Ambulance	GMSG-94	06/22/04	4:41 PM	28.60	67	0	0	0.5	20	0
Beacon Ambulance	GMSG-94	06/23/04	8:05 AM	28.68	56	0	0	0.7	19.5	0
Beacon Ambulance	GMSG-94	06/23/04	2:20 PM	28.65	66	0	0	0.5	20	0
Beacon Ambulance	GMSG-94	06/24/04	7:41 AM	28.63	52	0	0	0.4	20.1	0
Beacon Ambulance	GMSG-94	06/24/04	1:16 PM	28.74	55	0	0	0.5	19.5	0
Beacon Ambulance	GMSG-94	06/24/04	3:23 PM	28.78	55	T	0	0.5	19.6	0
Beacon Ambulance	GMSG-94	06/25/04	7:50 AM	28.79	58	0	0	0.6	19	0
Beacon Ambulance	GMSG-94	06/25/04	2:20 PM	28.76	62	0	0	0.6	19	0
Beacon Ambulance	GMSG-94	06/25/04	5:16 PM	28.76	61	0	0	0.5	19	0
Beacon Ambulance	GMSG-94	06/26/04	8:12 AM	28.84	56	0	0	0.5	19.1	0
Beacon Ambulance	GMSG-94	06/26/04	12:03 PM	28.83	61	0	0	0.5	19.2	0
Beacon Ambulance	GMSG-94	06/26/04	1:34 PM	28.81	65	0	0	0.5	19.2	0
Beacon Ambulance	GMSG-94	06/26/04	5:39 PM	28.81	63	0	0	0.5	19.7	0
Beacon Ambulance	GMSG-94	06/27/04	10:13 AM	28.88	66	0	0	0.5	19.4	0
Beacon Ambulance	GMSG-94	06/28/04	11:05 AM	28.83	72	0	0	0.5	19.3	0
Beacon Ambulance	GMSG-94	06/28/04	1:53 PM	28.80	72	0	0	0.5	19.4	0
Beacon Ambulance	GMSG-94	06/29/04	6:24 PM	28.83	67	0.01	0	0.5	19.7	0
Beacon Ambulance	GMSG-94	06/30/04	8:27 AM	28.80	73	0	0	0.5	19	0
Beacon Ambulance	GMSG-94	07/02/04	10:25 AM	28.93	68	0	0	0.4	18.8	--
Beacon Ambulance	GMSG-94	07/06/04	11:10 AM	28.66	54	0.08	0	0.5	18.9	0
Beacon Ambulance	GMSG-94	07/07/04	4:58 PM	28.57	56	T	0	0	19.5	0
Beacon Ambulance	GMSG-94	07/08/04	11:34 AM	28.72	61	0	0	0.4	19.2	0
Beacon Ambulance	GMSG-94	07/09/04	11:29 AM	28.88	68	0	0	0.4	19.6	0
Beacon Ambulance	GMSG-94	07/11/04	9:55 AM	28.82	70	0	0	0.5	19.2	0
Beacon Ambulance	GMSG-94	07/12/04	2:58 PM	28.70	82	0	0	0.2	19.6	0
Beacon Ambulance	GMSG-94	08/03/04	5:37 PM	28.69	72	0	0	0.5	19.7	--
Beacon Ambulance	GMSG-94	08/04/04	1:49 PM	28.83	72	0	0	0.4	19.7	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Beacon Ambulance	GMSG-94	08/07/04	3:19 PM	28.83	70	0	0	0.4	19.2	--
Beacon Ambulance	GMSG-94	08/08/04	2:01 PM	28.81	66	T	0	0.4	19.1	--
Beacon Ambulance	GMSG-94	08/17/04	12:58 PM	28.69	70	0	0	0.4	19.5	0
Beacon Ambulance	GMSG-94	08/18/04	11:49 AM	28.37	77	0	0	0.4	19.7	0
Beacon Ambulance	GMSG-94	10/20/04	1:20 PM	28.88	54	0	0	0.4	19.6	0
Beacon Ambulance	GMSG-94	01/27/05	10:35 AM	29.36	4	T	--	--	--	0
Beacon Ambulance	GMSG-94	04/01/05	2:47 PM	28.73	52	0	--	--	--	0
Beacon Ambulance	GMSG-94	07/05/05	10:37 AM	28.88	62	0	--	--	--	0
Beacon Ambulance	GMSG-94	10/10/05	10:15 AM	29.00	51	0	--	--	--	0
Beacon Ambulance	GMSG-94	02/22/06	10:00 AM	28.50	26	0	--	--	--	0
Beacon Ambulance	GMSG-94	04/03/06	10:23 AM	28.58	40	0	--	--	--	0
Beacon Ambulance	GMSG-94	07/07/06	10:42 AM	29.05	80	0	--	--	--	0
Beacon Ambulance	GMSG-94	10/02/06	11:20 AM	28.66	73	0	--	--	--	0
Beacon Ambulance	GMSG-94	01/02/07	11:47 AM	28.89	37	0	--	--	--	0
Beacon Ambulance	GMSG-94	04/03/07	9:21 AM	28.70	36	0	--	--	--	0
Beacon Ambulance	GMSG-94	07/17/07	1:00 PM	29.94	81	0	--	--	--	0
Beacon Ambulance	GMSG-94	10/22/07	12:56 PM	29.99	51	0	--	--	--	0
Beacon Ambulance	GMSG-94	01/03/08	1:51 PM	30.07	22	0	--	--	--	0
Beacon Ambulance	GMSG-94	04/23/08	2:44 PM	30.15	73	0	--	--	--	0
Beacon Ambulance	GMSG-94	07/09/08	2:24 PM	29.89	75	0	--	--	--	0
Beacon Ambulance	GMSG-94	10/02/08	2:37 PM	29.75	55	0	--	--	--	0
Beacon Ambulance	GMSG-94	01/23/09	10:56 AM	28.53	22	T	--	--	--	0
Beacon Ambulance	GMSG-94	03/30/09	3:08 PM	28.75	44	0	--	--	--	0
Beacon Ambulance	GMSG-94	10/19/09	12:14 PM	28.47	63	0	--	--	--	0
Beacon Ambulance	GMSG-94	04/23/10	11:25 AM	28.63	63	0	--	--	--	0
Beacon Ambulance	GMSG-94	10/28/10	11:49 AM	27.89	42	T	--	--	--	0
Beacon Ambulance	GMSG-94	07/10/11	10:12 AM	28.61	79	0	--	--	--	0
Beacon Ambulance	GMSG-94	11/01/12	2:41 PM	28.54	41	0	--	--	--	0
Beacon Ambulance	GMSG-94	11/13/13	10:30 AM	28.77	39	0	--	--	--	0
Beacon Ambulance	GMSG-94	08/21/14	1:48 PM	28.69	69	0	--	--	--	0
Beacon Ambulance	GMSG-94	08/05/15	10:20 AM	28.83	67	0	--	--	--	0
Beacon Ambulance	GMSG-95	11/19/02	2:39 PM	28.56	46	0	0	1.4	18	0
Beacon Ambulance	GMSG-95	11/26/02	1:57 PM	29.13	29	0	0	1.2	18.8	0
Beacon Ambulance	GMSG-95	12/02/02	10:47 AM	28.83	15	0	0	0.9	19.4	0
Beacon Ambulance	GMSG-95	01/02/03	10:40 AM	28.99	21	0	0	1	18.6	0
Beacon Ambulance	GMSG-95	01/28/03	12:06 PM	28.76	22	0	0	0.9	19.2	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Beacon Ambulance	GMSG-95	03/04/03	12:17 PM	28.64	14	T	0	1	18.8	0
Beacon Ambulance	GMSG-95	04/21/03	10:08 AM	28.46	38	T	0	1.2	17.7	0
Beacon Ambulance	GMSG-95	08/04/03	10:30 AM	28.75	70	0	0	1.8	16.9	0
Beacon Ambulance	GMSG-95	10/14/03	6:03 PM	28.54	46	0	0	2	17.1	0
Beacon Ambulance	GMSG-95	01/19/04	3:55 PM	28.94	7	0	0	0.2	18.5	0
Beacon Ambulance	GMSG-95	04/17/04	10:20 AM	28.92	56	0	0	0.2	17.8	0
Beacon Ambulance	GMSG-95	06/07/04	10:27 AM	28.62	80	0	0	0.7	19	0
Beacon Ambulance	GMSG-95	06/07/04	2:05 PM	28.54	84	0	0	0.7	18.8	0
Beacon Ambulance	GMSG-95	06/07/04	5:48 PM	28.50	84	0	0	0.8	18.9	0
Beacon Ambulance	GMSG-95	06/08/04	8:11 AM	28.63	80	0	0	0	19.8	0
Beacon Ambulance	GMSG-95	06/08/04	1:39 PM	28.69	87	0	0	0.6	19.2	0
Beacon Ambulance	GMSG-95	06/08/04	5:46 PM	28.72	82	0	0	0.6	19.5	0
Beacon Ambulance	GMSG-95	06/09/04	7:48 AM	28.86	57	0.01	0	0.8	19.2	0
Beacon Ambulance	GMSG-95	06/09/04	10:16 AM	28.90	55	0.04	0	0.7	19.2	0
Beacon Ambulance	GMSG-95	06/09/04	2:21 PM	28.91	54	T	0	0.7	19	0
Beacon Ambulance	GMSG-95	06/09/04	6:16 PM	28.90	52	0	0	0	19.6	0
Beacon Ambulance	GMSG-95	06/10/04	8:56 AM	28.90	59	0	0	0	19.6	0
Beacon Ambulance	GMSG-95	06/10/04	12:03 PM	28.86	65	0	0	0.5	19.5	0
Beacon Ambulance	GMSG-95	06/10/04	2:34 PM	28.82	67	0	0	0.7	19.5	0
Beacon Ambulance	GMSG-95	06/10/04	4:26 PM	28.81	65	0	0	0.8	19.5	0
Beacon Ambulance	GMSG-95	06/11/04	8:29 AM	28.77	55	0	0	0.5	19.3	0
Beacon Ambulance	GMSG-95	06/11/04	11:56 AM	28.79	58	0	--	--	--	0
Beacon Ambulance	GMSG-95	06/11/04	3:47 PM	28.77	61	0	--	--	--	0
Beacon Ambulance	GMSG-95	06/12/04	9:20 AM	28.74	55	0	--	--	--	0
Beacon Ambulance	GMSG-95	06/12/04	2:36 PM	28.65	78	0	0	0.4	19.5	--
Beacon Ambulance	GMSG-95	06/12/04	5:01 PM	28.65	79	0	0	0.4	19.7	--
Beacon Ambulance	GMSG-95	06/13/04	8:04 AM	28.57	65	0	0	0.5	19.4	--
Beacon Ambulance	GMSG-95	06/13/04	2:58 PM	28.49	69	0	0	0.4	19.4	--
Beacon Ambulance	GMSG-95	06/13/04	6:28 PM	28.45	73	0	0	0.5	19.4	--
Beacon Ambulance	GMSG-95	06/14/04	9:57 AM	28.59	67	0	0	0.4	19.5	0
Beacon Ambulance	GMSG-95	06/14/04	12:04 PM	28.59	68	0.01	0	0	20.3	0
Beacon Ambulance	GMSG-95	06/14/04	2:21 PM	28.57	72	T	0	0.4	19.7	0
Beacon Ambulance	GMSG-95	06/14/04	8:13 PM	28.67	64	0	0	0.4	19.8	0
Beacon Ambulance	GMSG-95	06/15/04	8:08 AM	28.85	58	0	0	0.4	19.8	0
Beacon Ambulance	GMSG-95	06/15/04	12:03 PM	28.86	67	0	0	0.6	19.6	0
Beacon Ambulance	GMSG-95	06/15/04	3:28 PM	28.84	70	0	0	0.3	19.8	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Beacon Ambulance	GMSG-95	06/16/04	8:09 AM	28.82	67	0	0	0.4	19	0
Beacon Ambulance	GMSG-95	06/16/04	11:24 AM	28.80	79	0	0	0.4	19.9	0
Beacon Ambulance	GMSG-95	06/16/04	2:19 PM	28.76	82	0	0	0.4	19.6	0
Beacon Ambulance	GMSG-95	06/17/04	7:50 AM	28.82	59	T	0	0.4	19.7	0
Beacon Ambulance	GMSG-95	06/17/04	2:17 PM	28.81	75	0	0	0.4	20.3	0
Beacon Ambulance	GMSG-95	06/17/04	6:06 PM	28.81	71	0	0	0.4	20	0
Beacon Ambulance	GMSG-95	06/18/04	7:54 AM	28.85	69	0	0	0.4	19.7	0
Beacon Ambulance	GMSG-95	06/18/04	11:12 AM	28.82	74	0	0	0.4	18.9	0
Beacon Ambulance	GMSG-95	06/18/04	8:13 PM	28.96	53	0	0	0.5	19.9	0
Beacon Ambulance	GMSG-95	06/19/04	8:20 AM	29.07	55	0	0	0.5	19.6	0
Beacon Ambulance	GMSG-95	06/19/04	12:00 PM	29.03	65	0	0	0.5	19.6	0
Beacon Ambulance	GMSG-95	06/19/04	3:45 PM	28.95	66	0	0	0.5	20.4	0
Beacon Ambulance	GMSG-95	06/20/04	8:32 AM	28.77	66	0	0	0.6	19.3	0
Beacon Ambulance	GMSG-95	06/20/04	1:41 PM	28.68	74	0	0	0.5	19.4	0
Beacon Ambulance	GMSG-95	06/21/04	8:37 AM	28.48	69	0	0	0.5	19.5	0
Beacon Ambulance	GMSG-95	06/21/04	12:34 PM	28.42	74	0	0	2.2	18	0
Beacon Ambulance	GMSG-95	06/21/04	5:21 PM	28.43	59	0.13	0	2.4	18.2	0
Beacon Ambulance	GMSG-95	06/22/04	8:06 AM	28.59	57	0	0	0.3	19.4	0
Beacon Ambulance	GMSG-95	06/22/04	1:49 PM	28.61	66	0	0	0.5	20	0
Beacon Ambulance	GMSG-95	06/22/04	4:45 PM	28.60	67	0	0	0.5	19.9	0
Beacon Ambulance	GMSG-95	06/23/04	7:59 AM	28.68	56	0	0	0.6	19.6	0
Beacon Ambulance	GMSG-95	06/23/04	2:16 PM	28.65	66	0	0	0.5	20	0
Beacon Ambulance	GMSG-95	06/24/04	7:49 AM	28.63	52	0	0	0.5	20	0
Beacon Ambulance	GMSG-95	06/24/04	1:20 PM	28.74	55	0	0	0.5	19.4	0
Beacon Ambulance	GMSG-95	06/24/04	3:18 PM	28.78	55	T	0	0.5	19.4	0
Beacon Ambulance	GMSG-95	06/25/04	7:54 AM	28.79	58	0	0	0.5	19	0
Beacon Ambulance	GMSG-95	06/25/04	2:11 PM	28.76	62	0	0	0.6	19	0
Beacon Ambulance	GMSG-95	06/25/04	5:11 PM	28.76	61	0	0	0.5	19.1	0
Beacon Ambulance	GMSG-95	06/26/04	8:08 AM	28.84	56	0	0	0.5	19.1	0
Beacon Ambulance	GMSG-95	06/26/04	12:07 PM	28.83	61	0	0	0.5	19.1	0
Beacon Ambulance	GMSG-95	06/26/04	1:30 PM	28.81	65	0	0	0.5	19.3	0
Beacon Ambulance	GMSG-95	06/26/04	5:33 PM	28.81	63	0	0	0.5	19.5	0
Beacon Ambulance	GMSG-95	06/27/04	10:09 AM	28.88	66	0	0	0.5	19.3	0
Beacon Ambulance	GMSG-95	06/28/04	11:01 AM	28.83	72	0	0	0.5	19.4	0
Beacon Ambulance	GMSG-95	06/28/04	1:49 PM	28.80	72	0	0	0.5	19.4	0
Beacon Ambulance	GMSG-95	06/29/04	6:19 PM	28.83	67	0.01	0	0.5	19.7	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Beacon Ambulance	GMSG-95	06/30/04	8:21 AM	28.80	73	0	0	0.5	19.1	0
Beacon Ambulance	GMSG-95	07/02/04	10:20 AM	28.93	68	0	0	0.5	18.6	--
Beacon Ambulance	GMSG-95	07/06/04	11:03 AM	28.66	54	0.08	0	0.6	18.7	0
Beacon Ambulance	GMSG-95	07/07/04	5:05 PM	28.57	56	T	0	0.5	18.9	0
Beacon Ambulance	GMSG-95	07/08/04	11:39 AM	28.72	61	0	0	0.5	19.1	0
Beacon Ambulance	GMSG-95	07/09/04	11:34 AM	28.88	70	0	0	0.4	19.7	0
Beacon Ambulance	GMSG-95	07/11/04	9:47 AM	28.82	70	0	0	0.5	19.2	0
Beacon Ambulance	GMSG-95	07/12/04	3:00 PM	28.70	82	0	0	0.5	19.3	0
Beacon Ambulance	GMSG-95	08/03/04	5:32 PM	28.69	72	0	0	0.5	19.6	--
Beacon Ambulance	GMSG-95	08/04/04	1:43 PM	28.83	72	0	0	0.5	19.4	--
Beacon Ambulance	GMSG-95	08/07/04	3:15 PM	28.83	70	0	0	0.5	18.9	--
Beacon Ambulance	GMSG-95	08/08/04	1:57 PM	28.81	66	T	0	0.6	18.8	--
Beacon Ambulance	GMSG-95	08/17/04	12:54 PM	28.69	70	0	0	0.5	19.5	0
Beacon Ambulance	GMSG-95	08/18/04	11:45 AM	28.37	77	0	0	0.5	19.5	0
Beacon Ambulance	GMSG-95	10/20/04	1:27 PM	28.88	54	0	0	0.4	19.8	0
Beacon Ambulance	GMSG-95	01/27/05	10:44 AM	29.36	4	T	--	--	--	0
Beacon Ambulance	GMSG-95	04/01/05	2:44 PM	28.73	52	0	--	--	--	0
Beacon Ambulance	GMSG-95	07/05/05	10:32 AM	28.88	62	0	--	--	--	0
Beacon Ambulance	GMSG-95	10/10/05	10:25 AM	29.00	51	0	--	--	--	0
Beacon Ambulance	GMSG-95	02/22/06	10:11 AM	28.50	26	0	--	--	--	0
Beacon Ambulance	GMSG-95	04/03/06	10:17 AM	28.58	40	0	--	--	--	0
Beacon Ambulance	GMSG-95	07/07/06	10:56 AM	29.05	80	0	--	--	--	0
Beacon Ambulance	GMSG-95	10/02/06	11:14 AM	28.66	73	0	--	--	--	0
Beacon Ambulance	GMSG-95	01/02/07	11:41 AM	28.89	37	0	--	--	--	0
Beacon Ambulance	GMSG-95	04/03/07	9:14 AM	28.70	36	0	--	--	--	0
Beacon Ambulance	GMSG-95	07/17/07	12:55 PM	29.94	81	0	--	--	--	0
Beacon Ambulance	GMSG-95	10/22/07	12:49 PM	29.99	51	0	--	--	--	0
Beacon Ambulance	GMSG-95	01/03/08	1:45 PM	30.07	22	0	--	--	--	0
Beacon Ambulance	GMSG-95	04/23/08	2:39 PM	30.15	73	0	--	--	--	0
Beacon Ambulance	GMSG-95	07/09/08	2:20 PM	29.89	75	0	--	--	--	0
Beacon Ambulance	GMSG-95	10/02/08	2:32 PM	29.75	55	0	--	--	--	0
Beacon Ambulance	GMSG-95	01/23/09	10:49 AM	28.53	22	T	--	--	--	0
Beacon Ambulance	GMSG-95	03/30/09	3:04 PM	28.75	44	0	--	--	--	0
Beacon Ambulance	GMSG-95	07/29/09	11:05 AM	28.54	71	0	--	--	--	0
Beacon Ambulance	GMSG-95	10/19/09	12:10 PM	28.47	63	0	--	--	--	0
Beacon Ambulance	GMSG-95	04/23/10	11:21 AM	28.63	63	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Beacon Ambulance	GMSG-95	10/28/10	11:46 AM	27.89	42	T	--	--	--	0
Beacon Ambulance	GMSG-95	07/10/11	10:16 AM	28.61	79	0	--	--	--	0
Beacon Ambulance	GMSG-95	11/01/12	2:36 PM	28.54	41	0	--	--	--	0
Beacon Ambulance	GMSG-95	11/09/13	12:20 PM	28.38	40	0	--	--	--	0
Beacon Ambulance	GMSG-95	08/14/14	10:52 AM	28.86	67	0	--	--	--	0
Beacon Ambulance	GMSG-95	08/05/15	10:26 AM	28.83	67	0	--	--	--	0
Beacon Ambulance	GMSG-447	06/06/05	10:11 AM	28.49	70	0	--	--	--	0
Beacon Ambulance	GMSG-447	06/06/05	12:18 PM	28.50	74	0	0	0.9	18.6	--
Beacon Ambulance	GMSG-447	06/06/05	12:20 PM	28.50	74	0	--	--	--	--
Beacon Ambulance	GMSG-447	06/08/05	8:25 AM	28.64	54	0	--	--	--	--
Beacon Ambulance	GMSG-447	06/08/05	8:26 AM	28.64	54	0	--	--	--	0
Beacon Ambulance	GMSG-447	06/13/05	9:54 AM	28.56	77	0	--	--	--	0
Beacon Ambulance	GMSG-447	06/21/05	11:29 AM	28.88	81	0	--	--	--	0
Beacon Ambulance	GMSG-447	07/10/05	10:55 AM	28.94	89	0	--	--	--	0
Beacon Ambulance	GMSG-447	08/01/05	10:58 AM	28.86	84	0	--	--	--	0
Beacon Ambulance	GMSG-447	09/12/05	10:09 AM	28.77	83	0	--	--	--	0
Beacon Ambulance	GMSG-447	10/10/05	10:10 AM	29.00	51	0	--	--	--	0
Beacon Ambulance	GMSG-447	02/22/06	10:03 AM	28.50	26	0	--	--	--	0
Beacon Ambulance	GMSG-447	04/03/06	10:20 AM	28.58	40	0	--	--	--	0
Beacon Ambulance	GMSG-447	07/07/06	10:50 AM	29.05	80	0	--	--	--	0
Beacon Ambulance	GMSG-447	10/02/06	11:17 AM	28.66	73	0	--	--	--	0
Beacon Ambulance	GMSG-447	01/02/07	11:44 AM	28.89	37	0	--	--	--	0
Beacon Ambulance	GMSG-447	04/03/07	9:18 AM	28.70	36	0	--	--	--	0
Beacon Ambulance	GMSG-447	07/17/07	12:58 PM	29.94	81	0	--	--	--	0
Beacon Ambulance	GMSG-447	10/22/07	12:46 PM	29.99	51	0	--	--	--	0
Beacon Ambulance	GMSG-447	01/03/08	1:48 PM	30.07	22	0	--	--	--	0
Beacon Ambulance	GMSG-447	04/23/08	2:41 PM	30.15	73	0	--	--	--	0
Beacon Ambulance	GMSG-447	07/09/08	2:21 PM	29.89	75	0	--	--	--	0
Beacon Ambulance	GMSG-447	10/02/08	2:35 PM	29.75	55	0	--	--	--	0
Beacon Ambulance	GMSG-447	01/23/09	10:51 AM	28.53	22	T	--	--	--	0
Beacon Ambulance	GMSG-447	03/30/09	3:06 PM	28.75	44	0	--	--	--	0
Beacon Ambulance	GMSG-447	07/29/09	11:08 AM	28.54	71	0	--	--	--	0
Beacon Ambulance	GMSG-447	10/19/09	12:12 PM	28.47	63	0	--	--	--	0
Beacon Ambulance	GMSG-447	04/23/10	11:24 AM	28.63	63	0	--	--	--	0
Beacon Ambulance	GMSG-447	10/28/10	11:48 AM	27.89	42	T	--	--	--	0
Beacon Ambulance	GMSG-447	07/10/11	10:14 AM	28.61	79	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Beacon Ambulance	GMSG-447	11/01/12	2:38 PM	28.54	41	0	--	--	--	0
Beacon Ambulance	GMSG-447	11/09/13	12:20 PM	28.38	40	0	--	--	--	0
Beacon Ambulance	GMSG-447	08/14/14	10:57 AM	28.86	67	0	--	--	--	0
Beacon Ambulance	GMSG-447	08/05/15	10:03 AM	28.83	67	0	--	--	--	0
Beacon Ambulance	GMSG-469	07/19/05	3:29 PM	28.78	81	0	--	--	--	0
Beacon Ambulance	GMSG-469	07/25/05	9:09 AM	28.75	80	0	--	--	--	0
Beacon Ambulance	GMSG-469	08/01/05	11:04 AM	28.86	84	0	--	--	--	0
Beacon Ambulance	GMSG-469	09/12/05	10:11 AM	28.77	83	0	--	--	--	0
Beacon Ambulance	GMSG-469	10/10/05	10:30 AM	29.00	56	0	--	--	--	0
Beacon Ambulance	GMSG-469	11/08/05	3:55 PM	28.80	46	0	--	--	--	0
Beacon Ambulance	GMSG-469	02/22/06	10:38 AM	28.51	28	0	--	--	--	0
Beacon Ambulance	GMSG-469	04/03/06	10:26 AM	28.58	40	0	--	--	--	0
Beacon Ambulance	GMSG-469	07/07/06	11:05 AM	29.05	80	0	--	--	--	0
Beacon Ambulance	GMSG-469	10/02/06	11:11 AM	28.66	73	0	--	--	--	0
Beacon Ambulance	GMSG-469	01/02/07	11:38 AM	28.89	37	0	--	--	--	0
Beacon Ambulance	GMSG-469	04/03/07	9:11 AM	28.70	36	0	--	--	--	0
Beacon Ambulance	GMSG-469	07/17/07	12:53 PM	29.94	81	0	--	--	--	0
Beacon Ambulance	GMSG-469	10/22/07	12:52 PM	29.99	51	0	--	--	--	0
Beacon Ambulance	GMSG-469	01/03/08	1:40 PM	30.07	22	0	--	--	--	0
Beacon Ambulance	GMSG-469	04/23/08	2:35 PM	30.15	73	0	--	--	--	0
Beacon Ambulance	GMSG-469	07/09/08	2:18 PM	29.89	75	0	--	--	--	0
Beacon Ambulance	GMSG-469	10/02/08	2:29 PM	29.75	53	0	--	--	--	0
Beacon Ambulance	GMSG-469	01/23/09	10:46 AM	28.53	22	T	--	--	--	0
Beacon Ambulance	GMSG-469	03/30/09	3:02 PM	28.75	44	0	--	--	--	0
Beacon Ambulance	GMSG-469	07/29/09	11:01 AM	28.54	71	0	--	--	--	0
Beacon Ambulance	GMSG-469	10/19/09	12:07 PM	28.47	63	0	--	--	--	0
Beacon Ambulance	GMSG-469	04/23/10	11:19 AM	28.63	63	0	--	--	--	0
Beacon Ambulance	GMSG-469	10/28/10	11:44 AM	27.89	42	T	--	--	--	0
Beacon Ambulance	GMSG-469	07/10/11	10:09 AM	28.61	79	0	--	--	--	0
Beacon Ambulance	GMSG-469	11/01/12	2:34 PM	28.54	41	0	--	--	--	0
Beacon Ambulance	GMSG-469	11/09/13	12:20 PM	28.38	40	0	--	--	--	0
Beacon Ambulance	GMSG-469	08/14/14	11:05 AM	28.86	67	0	--	--	--	0
Beacon Ambulance	GMSG-469	08/05/15	10:29 AM	28.83	67	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	10/29/02	10:17 AM	28.99	38	0	0	2.8	16.7	0
Bianco's Fitness Center	GMSG-64	11/04/02	1:55 PM	28.85	38	0	0	1.7	18.1	0
Bianco's Fitness Center	GMSG-64	11/19/02	11:44 AM	28.54	44	0	0	1.4	18.7	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Bianco's Fitness Center	GMSG-64	12/10/02	1:41 PM	28.73	46	0	0	2.2	17.5	0
Bianco's Fitness Center	GMSG-64	01/02/03	10:18 AM	29.02	19	0	0	1.9	17.7	0
Bianco's Fitness Center	GMSG-64	01/28/03	11:02 AM	28.74	21	T	0	1	19	0
Bianco's Fitness Center	GMSG-64	04/15/03	2:26 PM	28.58	54	0	0	0.9	19.4	0
Bianco's Fitness Center	GMSG-64	08/04/03	9:13 AM	28.75	65	0	0	2.6	16	0
Bianco's Fitness Center	GMSG-64	11/01/03	10:25 AM	29.11	35	0	0	0.7	18.7	0
Bianco's Fitness Center	GMSG-64	01/28/04	3:45 PM	28.67	6	0	0	0.3	19.8	0
Bianco's Fitness Center	GMSG-64	04/16/04	4:36 PM	28.70	66	T	0	0.7	18.6	0
Bianco's Fitness Center	GMSG-64	07/13/04	7:50 AM	28.64	71	0	0	1.8	17.6	0
Bianco's Fitness Center	GMSG-64	10/17/04	1:58 PM	28.63	43	0	0	0.2	19.7	0
Bianco's Fitness Center	GMSG-64	01/26/05	11:19 AM	28.98	15	T	0	0.2	20.6	0
Bianco's Fitness Center	GMSG-64	04/01/05	7:59 AM	28.80	42	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	07/05/05	8:47 AM	28.84	60	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	10/14/05	11:14 AM	28.72	62	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	03/13/06	2:31 PM	27.95	32	0.01	--	--	--	0
Bianco's Fitness Center	GMSG-64	04/05/06	4:05 PM	28.70	56	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	07/06/06	3:31 PM	29.02	83	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	10/02/06	10:44 AM	28.66	73	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	01/02/07	10:45 AM	28.92	34	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	04/03/07	10:19 AM	28.67	35	T	--	--	--	0
Bianco's Fitness Center	GMSG-64	07/17/07	11:09 AM	29.95	79	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	10/18/07	11:22 AM	29.23	62	0.01	--	--	--	0
Bianco's Fitness Center	GMSG-64	01/03/08	1:21 PM	30.11	20	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	04/23/08	2:24 PM	30.17	73	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	07/09/08	1:56 PM	29.89	75	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	10/02/08	1:14 PM	29.75	52	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	03/30/09	1:53 PM	28.75	43	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	07/30/09	9:09 AM	28.56	60	T	--	--	--	0
Bianco's Fitness Center	GMSG-64	10/19/09	11:12 AM	28.49	58	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	04/23/10	9:56 AM	28.64	60	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	10/28/10	1:58 PM	28.74	40	T	--	--	--	0
Bianco's Fitness Center	GMSG-64	07/10/11	9:02 AM	28.60	79	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	10/26/12	1:30 PM	28.95	41	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	11/09/13	8:55 AM	28.35	40	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	08/14/14	2:18 PM	28.81	72	0	--	--	--	0
Bianco's Fitness Center	GMSG-64	08/07/15	1:36 PM	28.64	66	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Bianco's Fitness Center	GMSG-92	10/28/02	3:04 PM	28.95	43	0	0	3.2	16.1	0
Bianco's Fitness Center	GMSG-92	11/04/02	2:01 PM	28.85	38	0	0	2.9	16.6	0
Bianco's Fitness Center	GMSG-92	11/19/02	11:36 AM	28.54	44	0	0	3	16.3	0
Bianco's Fitness Center	GMSG-92	12/10/02	1:35 PM	28.73	46	0	0	2.8	17.1	0
Bianco's Fitness Center	GMSG-92	01/02/03	10:10 AM	29.02	19	0	0	2.8	17	0
Bianco's Fitness Center	GMSG-92	01/28/03	11:13 AM	28.74	21	T	0	2.7	17.2	0
Bianco's Fitness Center	GMSG-92	04/15/03	2:33 PM	28.59	51	0	0	1.8	17.9	0
Bianco's Fitness Center	GMSG-92	08/04/03	9:23 AM	28.75	65	0	0	3.4	15.9	0
Bianco's Fitness Center	GMSG-92	11/01/03	10:35 AM	29.10	35	0	0	2.5	16.4	0
Bianco's Fitness Center	GMSG-92	01/29/04	12:15 PM	28.77	2	0	0	2.5	16.3	0
Bianco's Fitness Center	GMSG-92	04/16/04	4:30 PM	28.70	66	T	0	1.8	17	0
Bianco's Fitness Center	GMSG-92	07/13/04	7:40 AM	28.64	71	0	0	2.5	17.6	0
Bianco's Fitness Center	GMSG-92	10/17/04	1:50 PM	28.63	43	0	0	2.9	16.3	0
Bianco's Fitness Center	GMSG-92	01/26/05	11:06 AM	28.98	15	T	0	1.5	19	0
Bianco's Fitness Center	GMSG-92	04/01/05	7:57 AM	28.80	42	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	07/05/05	8:42 AM	28.84	60	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	10/14/05	11:08 AM	28.72	62	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	02/22/06	2:16 PM	28.50	30	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	04/05/06	4:08 PM	28.70	56	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	07/06/06	3:35 PM	29.02	83	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	10/02/06	10:40 AM	28.66	73	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	01/02/07	10:41 AM	28.92	34	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	04/03/07	10:15 AM	28.67	35	T	--	--	--	0
Bianco's Fitness Center	GMSG-92	07/17/07	11:06 AM	29.95	79	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	10/18/07	11:18 AM	29.23	62	0.01	--	--	--	0
Bianco's Fitness Center	GMSG-92	01/03/08	1:15 PM	30.11	20	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	04/23/08	2:22 PM	30.17	73	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	07/09/08	1:53 PM	29.89	75	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	10/02/08	1:11 PM	29.75	52	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	03/30/09	1:50 PM	28.75	43	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	07/30/09	9:18 AM	28.56	60	T	--	--	--	0
Bianco's Fitness Center	GMSG-92	10/19/09	11:09 AM	28.49	58	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	04/23/10	10:06 AM	28.64	60	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	10/28/10	1:56 PM	28.74	40	T	--	--	--	0
Bianco's Fitness Center	GMSG-92	07/10/11	9:04 AM	28.60	79	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	10/26/12	1:17 PM	28.95	40	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Bianco's Fitness Center	GMSG-92	11/09/13	8:55 AM	28.35	40	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	08/14/14	2:14 PM	28.81	72	0	--	--	--	0
Bianco's Fitness Center	GMSG-92	08/07/15	1:38 PM	28.64	66	T	--	--	--	0
Bianco's Fitness Center	GMSG-494	08/17/05	8:51 AM	28.91	65	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	08/24/05	12:39 PM	29.01	72	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	08/31/05	2:43 PM	28.63	76	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	09/09/05	12:31 PM	28.89	77	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	10/14/05	11:16 AM	28.72	62	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	11/11/05	2:27 PM	28.65	53	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	03/02/06	11:35 AM	28.73	29	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	04/05/06	4:03 PM	28.70	56	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	07/06/06	3:47 PM	29.02	83	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	10/02/06	10:49 AM	28.66	73	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	01/02/07	10:51 AM	28.92	34	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	04/03/07	10:22 AM	28.67	35	T	--	--	--	0
Bianco's Fitness Center	GMSG-494	07/17/07	11:11 AM	29.95	79	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	10/18/07	11:00 AM	29.23	62	0.01	--	--	--	0
Bianco's Fitness Center	GMSG-494	01/03/08	1:29 PM	30.11	20	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	04/23/08	2:26 PM	30.17	73	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	07/09/08	1:47 PM	29.89	75	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	10/02/08	1:17 PM	29.75	52	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	01/23/09	9:52 AM	28.48	23	T	--	--	--	0
Bianco's Fitness Center	GMSG-494	03/30/09	1:55 PM	28.75	43	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	07/30/09	9:12 AM	28.56	60	T	--	--	--	0
Bianco's Fitness Center	GMSG-494	10/19/09	11:14 AM	28.49	58	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	04/23/10	9:59 AM	28.64	60	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	10/28/10	2:01 PM	28.74	40	T	--	--	--	0
Bianco's Fitness Center	GMSG-494	07/10/11	9:10 AM	28.60	79	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	10/26/12	1:26 PM	28.95	40	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	11/09/13	8:55 AM	28.35	40	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	08/14/14	2:22 PM	28.81	72	0	--	--	--	0
Bianco's Fitness Center	GMSG-494	08/07/15	1:32 PM	28.64	66	T	--	--	--	0
Bianco's Fitness Center	GMSG-495	08/24/05	12:42 PM	29.01	72	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	08/31/05	2:40 PM	28.63	76	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	09/09/05	12:34 PM	28.89	77	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	10/13/05	3:50 PM	28.79	57	0.02	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Bianco's Fitness Center	GMSG-495	10/14/05	10:59 AM	28.72	62	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	11/11/05	2:24 PM	28.65	53	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	12/07/05	10:35 AM	29.27	21	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	02/22/06	2:29 PM	28.50	30	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	04/05/06	4:16 PM	28.70	56	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	07/06/06	3:43 PM	29.02	83	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	10/02/06	10:35 AM	28.66	73	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	01/02/07	10:55 AM	28.92	34	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	04/03/07	10:10 AM	28.67	35	T	--	--	--	0
Bianco's Fitness Center	GMSG-495	07/17/07	11:01 AM	29.95	79	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	10/18/07	11:06 AM	29.23	62	0.01	--	--	--	0
Bianco's Fitness Center	GMSG-495	01/03/08	1:05 PM	30.11	20	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	04/23/08	2:28 PM	30.17	73	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	07/09/08	1:49 PM	29.89	75	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	10/02/08	1:07 PM	29.75	52	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	01/23/09	9:32 AM	28.48	23	T	--	--	--	0
Bianco's Fitness Center	GMSG-495	04/22/09	8:12 AM	28.47	39	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	07/30/09	9:14 AM	28.56	60	T	--	--	--	0
Bianco's Fitness Center	GMSG-495	10/19/09	11:04 AM	28.49	58	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	04/23/10	10:02 AM	28.64	60	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	10/28/10	2:03 PM	28.74	40	T	--	--	--	0
Bianco's Fitness Center	GMSG-495	07/10/11	9:08 AM	28.60	79	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	10/26/12	1:23 PM	28.95	40	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	11/09/13	8:55 AM	28.35	40	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	08/14/14	2:25 PM	28.81	72	0	--	--	--	0
Bianco's Fitness Center	GMSG-495	08/07/15	1:28 PM	28.64	65	T	--	--	--	0
Bianco's Fitness Center	GMSG-496	08/24/05	12:47 PM	29.01	72	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	08/31/05	2:34 PM	28.63	76	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	09/09/05	12:38 PM	28.89	77	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	10/14/05	11:03 AM	28.72	62	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	11/11/05	2:20 PM	28.65	53	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	12/07/05	10:39 AM	29.27	21	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	02/22/06	2:03 PM	28.50	30	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	04/05/06	4:11 PM	28.70	56	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	07/06/06	3:40 PM	29.02	83	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	10/02/06	10:37 AM	28.66	73	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Bianco's Fitness Center	GMSG-496	01/02/07	10:37 AM	28.92	34	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	04/03/07	10:13 AM	28.67	35	T	--	--	--	0
Bianco's Fitness Center	GMSG-496	07/17/07	11:03 AM	29.95	79	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	10/18/07	11:12 AM	29.23	62	0.01	--	--	--	0
Bianco's Fitness Center	GMSG-496	01/03/08	1:09 PM	30.11	20	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	04/23/08	2:18 PM	30.17	73	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	07/09/08	1:50 PM	29.89	75	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	10/02/08	1:09 PM	29.75	52	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	01/23/09	9:37 AM	28.48	23	T	--	--	--	0
Bianco's Fitness Center	GMSG-496	03/30/09	1:47 PM	28.75	43	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	07/30/09	9:16 AM	28.56	60	T	--	--	--	0
Bianco's Fitness Center	GMSG-496	10/19/09	11:06 AM	28.49	58	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	04/23/10	10:04 AM	28.64	60	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	10/28/10	1:54 PM	28.74	40	T	--	--	--	0
Bianco's Fitness Center	GMSG-496	07/10/11	9:06 AM	28.60	79	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	10/26/12	1:19 PM	28.95	40	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	11/09/13	8:55 AM	28.35	40	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	08/14/14	2:28 PM	28.81	72	0	--	--	--	0
Bianco's Fitness Center	GMSG-496	08/07/15	1:25 PM	28.64	65	T	--	--	--	0
Brooks Storage	GMSG-611	07/28/06	9:36 AM	28.69	80	T	--	--	--	0
Brooks Storage	GMSG-611	08/04/06	2:06 PM	28.90	82	0	--	--	--	0
Brooks Storage	GMSG-611	08/11/06	11:42 AM	28.96	70	0	--	--	--	0
Brooks Storage	GMSG-611	09/19/06	10:28 AM	28.50	50	0	--	--	--	0
Brooks Storage	GMSG-611	10/11/06	3:46 PM	28.12	36	T	--	--	--	0
Brooks Storage	GMSG-611	11/15/06	1:14 PM	28.74	42	0	--	--	--	0
Brooks Storage	GMSG-611	02/01/07	11:20 AM	28.40	13	0	--	--	--	0
Brooks Storage	GMSG-611	04/05/07	11:41 AM	28.88	22	T	--	--	--	0
Brooks Storage	GMSG-611	07/19/07	1:13 PM	30.00	68	0	--	--	--	0
Brooks Storage	GMSG-611	10/18/07	9:27 AM	29.27	60	0.04	--	--	--	0
Brooks Storage	GMSG-611	01/15/08	2:00 PM	29.99	25	0	--	--	--	0
Brooks Storage	GMSG-611	04/14/08	1:31 PM	30.22	47	0	--	--	--	0
Brooks Storage	GMSG-611	07/09/08	10:52 AM	29.88	71	0	--	--	--	0
Brooks Storage	GMSG-611	10/21/08	3:19 PM	30.41	44	0	--	--	--	0
Brooks Storage	GMSG-611	01/05/09	11:06 AM	28.68	3	0	--	--	--	0
Brooks Storage	GMSG-611	04/02/09	2:19 PM	28.42	43	0	--	--	--	0
Brooks Storage	GMSG-611	07/31/09	7:31 AM	28.64	60	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Brooks Storage	GMSG-611	10/23/09	1:25 PM	28.32	36	0.08	--	--	--	0
Brooks Storage	GMSG-611	04/20/10	11:48 AM	28.65	68	0	--	--	--	0
Brooks Storage	GMSG-611	11/03/10	11:39 AM	28.51	54	0	--	--	--	0
Brooks Storage	GMSG-611	07/08/11	9:48 AM	28.64	76	0	--	--	--	0
Brooks Storage	GMSG-611	10/29/12	2:51 PM	29.01	46	0	--	--	--	0
Brooks Storage	GMSG-611	11/06/13	12:13 PM	28.55	37	0	--	--	--	0
Brooks Storage	GMSG-611	08/11/14	1:20 PM	28.65	74	0	--	--	--	0
Brooks Storage	GMSG-611	08/07/15	11:08 AM	28.64	62	T	--	--	--	0
Brooks Storage	GMSG-612	07/28/06	9:32 AM	28.69	80	T	--	--	--	0
Brooks Storage	GMSG-612	08/04/06	2:01 PM	28.90	82	0	--	--	--	0
Brooks Storage	GMSG-612	08/11/06	11:34 AM	28.96	70	0	--	--	--	0
Brooks Storage	GMSG-612	09/19/06	10:23 AM	28.50	50	0	--	--	--	0
Brooks Storage	GMSG-612	10/11/06	3:43 PM	28.12	36	T	--	--	--	0
Brooks Storage	GMSG-612	11/15/06	1:07 PM	28.74	42	0	--	--	--	0
Brooks Storage	GMSG-612	02/01/07	11:23 AM	28.40	13	0	--	--	--	0
Brooks Storage	GMSG-612	04/05/07	11:43 AM	28.88	22	T	--	--	--	0
Brooks Storage	GMSG-612	07/19/07	1:15 PM	30.00	68	0	--	--	--	0
Brooks Storage	GMSG-612	10/18/07	9:24 AM	29.27	60	0.04	--	--	--	0
Brooks Storage	GMSG-612	01/15/08	2:05 PM	29.99	25	0	--	--	--	0
Brooks Storage	GMSG-612	04/14/08	1:33 PM	30.22	47	0	--	--	--	0
Brooks Storage	GMSG-612	07/09/08	10:54 AM	29.88	71	0	--	--	--	0
Brooks Storage	GMSG-612	10/21/08	3:15 PM	30.41	44	0	--	--	--	0
Brooks Storage	GMSG-612	01/05/09	10:52 AM	28.68	3	0	--	--	--	0
Brooks Storage	GMSG-612	04/02/09	2:17 PM	28.42	43	0	--	--	--	0
Brooks Storage	GMSG-612	07/31/09	7:29 AM	28.64	56	0	--	--	--	0
Brooks Storage	GMSG-612	10/23/09	1:26 PM	28.32	36	0.08	--	--	--	0
Brooks Storage	GMSG-612	04/20/10	11:50 AM	28.65	68	0	--	--	--	0
Brooks Storage	GMSG-612	11/03/10	11:31 AM	28.51	54	0	--	--	--	0
Brooks Storage	GMSG-612	07/08/11	9:51 AM	28.64	76	0	--	--	--	0
Brooks Storage	GMSG-612	10/29/12	2:49 PM	29.01	46	0	--	--	--	0
Brooks Storage	GMSG-612	11/06/13	12:16 PM	28.55	37	0	--	--	--	0
Brooks Storage	GMSG-612	08/11/14	1:10 PM	28.65	74	0	--	--	--	0
Brooks Storage	GMSG-612	11/24/15	3:13 PM	28.98	36		--	--	--	0
Brooks Storage	GMSG-613	07/28/06	9:28 AM	28.70	70	0.05	--	--	--	0
Brooks Storage	GMSG-613	08/04/06	2:15 PM	28.90	82	0	--	--	--	0
Brooks Storage	GMSG-613	08/11/06	11:37 AM	28.96	70	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Brooks Storage	GMSG-613	09/19/06	10:26 AM	28.50	50	0	--	--	--	0
Brooks Storage	GMSG-613	10/11/06	3:40 PM	28.12	36	T	--	--	--	0
Brooks Storage	GMSG-613	11/15/06	1:10 PM	28.74	42	0	--	--	--	0
Brooks Storage	GMSG-613	02/01/07	11:27 AM	28.40	13	0	--	--	--	0
Brooks Storage	GMSG-613	04/05/07	11:46 AM	28.88	22	T	--	--	--	0
Brooks Storage	GMSG-613	07/19/07	1:17 PM	30.00	68	0	--	--	--	0
Brooks Storage	GMSG-613	10/18/07	9:32 AM	29.24	60	0.1	--	--	--	0
Brooks Storage	GMSG-613	01/15/08	2:09 PM	29.99	25	0	--	--	--	0
Brooks Storage	GMSG-613	04/14/08	1:33 PM	30.22	47	0	--	--	--	0
Brooks Storage	GMSG-613	07/09/08	10:56 AM	29.88	71	0	--	--	--	0
Brooks Storage	GMSG-613	10/21/08	3:17 PM	30.41	44	0	--	--	--	0
Brooks Storage	GMSG-613	01/05/09	10:44 AM	28.68	3	0	--	--	--	0
Brooks Storage	GMSG-613	04/02/09	2:15 PM	28.42	43	0	--	--	--	0
Brooks Storage	GMSG-613	07/31/09	7:27 AM	28.64	56	0	--	--	--	0
Brooks Storage	GMSG-613	10/23/09	1:28 PM	28.32	36	0.08	--	--	--	0
Brooks Storage	GMSG-613	04/20/10	11:52 AM	28.65	68	0	--	--	--	0
Brooks Storage	GMSG-613	11/03/10	11:34 AM	28.51	54	0	--	--	--	0
Brooks Storage	GMSG-613	10/29/12	3:01 PM	29.01	46	0	--	--	--	0
Brooks Storage	GMSG-613	06/17/14	9:02 AM	28.50	73	0	--	--	--	0
Brooks Storage	GMSG-613	12/16/15	1:10 PM	28.16	38	T	--	--	--	0
Brooks Storage	GMSG-614	07/28/06	9:24 AM	28.70	70	0.05	--	--	--	0
Brooks Storage	GMSG-614	08/04/06	2:10 PM	28.90	82	0	--	--	--	0
Brooks Storage	GMSG-614	08/11/06	11:40 AM	28.96	70	0	--	--	--	0
Brooks Storage	GMSG-614	09/19/06	10:21 AM	28.50	50	0	--	--	--	0
Brooks Storage	GMSG-614	10/11/06	3:37 PM	28.12	36	T	--	--	--	0
Brooks Storage	GMSG-614	11/15/06	1:12 PM	28.74	42	0	--	--	--	0
Brooks Storage	GMSG-614	02/01/07	11:20 AM	28.40	13	0	--	--	--	0
Brooks Storage	GMSG-614	04/05/07	11:48 AM	28.88	22	T	--	--	--	0
Brooks Storage	GMSG-614	07/19/07	1:19 PM	30.00	68	0	--	--	--	0
Brooks Storage	GMSG-614	10/18/07	9:20 AM	29.27	60	0.04	--	--	--	0
Brooks Storage	GMSG-614	01/15/08	2:15 PM	29.99	25	0	--	--	--	0
Brooks Storage	GMSG-614	04/29/08	3:11 PM	29.97	44	0	--	--	--	0
Brooks Storage	GMSG-614	07/09/08	10:58 AM	29.88	71	0	--	--	--	0
Brooks Storage	GMSG-614	10/21/08	3:13 PM	30.41	44	0	--	--	--	0
Brooks Storage	GMSG-614	01/05/09	11:15 AM	28.68	3	0	--	--	--	0
Brooks Storage	GMSG-614	04/02/09	2:21 PM	28.42	43	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Brooks Storage	GMSG-614	07/31/09	7:25 AM	28.64	56	0	--	--	--	0
Brooks Storage	GMSG-614	10/23/09	1:31 PM	28.26	37	0.03	--	--	--	0
Brooks Storage	GMSG-614	04/20/10	11:54 AM	28.65	68	0	--	--	--	0
Brooks Storage	GMSG-614	11/03/10	11:37 AM	28.51	54	0	--	--	--	0
Brooks Storage	GMSG-614	07/08/11	9:45 AM	28.64	76	0	--	--	--	0
Brooks Storage	GMSG-614	10/29/12	2:53 PM	29.01	46	0	--	--	--	0
Brooks Storage	GMSG-614	11/13/13	4:00 PM	28.56	45	0	--	--	--	0
Brooks Storage	GMSG-614	08/11/14	1:26 PM	28.65	74	0	--	--	--	0
Brooks Storage	GMSG-614	08/07/15	11:14 AM	28.64	62	T	--	--	--	0
Central Supermarket	GMSG-97	06/05/03	2:08 PM	28.68	79	0	0	0.5	19.5	0
Central Supermarket	GMSG-97	06/13/03	1:06 PM	28.62	77	0	0	0.9	18.6	0
Central Supermarket	GMSG-97	06/19/03	12:33 PM	28.97	68	0	0	0.8	18.8	0
Central Supermarket	GMSG-97	07/21/03	11:52 AM	28.57	71	0	0	0.9	18.5	0
Central Supermarket	GMSG-97	08/05/03	2:28 PM	28.70	81	0	0	1.1	17.8	0
Central Supermarket	GMSG-97	09/26/03	1:58 PM	28.36	54	T	0	0.5	18.5	0
Central Supermarket	GMSG-97	11/02/03	3:55 PM	28.91	42	0	0	0.4	19	0
Central Supermarket	GMSG-97	01/29/04	4:05 PM	28.76	5	0	0	0	19.3	0
Central Supermarket	GMSG-97	04/19/04	8:56 AM	28.59	41	0	0	0.4	17.2	0
Central Supermarket	GMSG-97	07/14/04	2:41 PM	28.67	78	0	0	0.6	19	0
Central Supermarket	GMSG-97	10/30/04	9:41 AM	27.92	55	T	0	0.7	19	0
Central Supermarket	GMSG-97	02/08/05	9:24 AM	28.99	15	0	--	--	--	0
Central Supermarket	GMSG-97	04/04/05	2:58 PM	28.72	56	0	--	--	--	0
Central Supermarket	GMSG-97	07/05/05	1:27 PM	28.88	66	0	--	--	--	0
Central Supermarket	GMSG-97	10/11/05	3:40 PM	28.99	56	0	--	--	--	0
Central Supermarket	GMSG-97	02/27/06	1:27 PM	28.84	20	0	--	--	--	0
Central Supermarket	GMSG-97	04/06/06	3:02 PM	28.50	57	0	--	--	--	0
Central Supermarket	GMSG-97	07/13/06	10:55 AM	28.78	89	0	--	--	--	0
Central Supermarket	GMSG-97	10/11/06	11:15 AM	28.06	42	0.03	--	--	--	0
Central Supermarket	GMSG-97	02/01/07	9:47 AM	28.40	11	0	--	--	--	0
Central Supermarket	GMSG-97	04/05/07	2:20 PM	28.88	23	T	--	--	--	0
Central Supermarket	GMSG-97	07/19/07	2:06 PM	30.03	66	0	--	--	--	0
Central Supermarket	GMSG-97	10/17/07	3:10 PM	29.86	60	0	--	--	--	0
Central Supermarket	GMSG-97	01/16/08	9:46 AM	29.97	22	0	--	--	--	0
Central Supermarket	GMSG-97	04/14/08	2:19 PM	30.22	47	0	--	--	--	0
Central Supermarket	GMSG-97	07/09/08	10:09 AM	29.89	69	0	--	--	--	0
Central Supermarket	GMSG-97	10/21/08	3:43 PM	30.40	43	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Central Supermarket	GMSG-97	01/05/09	1:06 PM	28.59	11	0	--	--	--	0
Central Supermarket	GMSG-97	04/02/09	1:47 PM	28.42	43	0	--	--	--	0
Central Supermarket	GMSG-97	07/31/09	8:04 AM	28.64	60	0	--	--	--	0
Central Supermarket	GMSG-97	10/23/09	12:13 PM	28.38	35	0.1	--	--	--	0
Central Supermarket	GMSG-97	04/19/10	3:00 PM	28.88	64	0	--	--	--	0
Central Supermarket	GMSG-97	11/03/10	12:29 PM	28.51	54	0	--	--	--	0
Central Supermarket	GMSG-97	07/08/11	1:22 PM	28.63	82	0	--	--	--	0
Central Supermarket	GMSG-97	10/22/12	2:56 PM	28.72	63	0	--	--	--	0
Central Supermarket	GMSG-97	11/05/13	3:29 PM	28.87	50	0	--	--	--	0
Central Supermarket	GMSG-97	08/11/14	3:25 PM	28.64	72	0	--	--	--	0
Central Supermarket	GMSG-97	08/04/15	1:07 PM	28.66	72	0	--	--	--	0
Central Supermarket	GMSG-98	06/05/03	2:03 PM	28.68	79	0	0	0.2	20.1	0
Central Supermarket	GMSG-98	06/13/03	1:11 PM	28.62	77	0	0	0.3	19.5	0
Central Supermarket	GMSG-98	06/19/03	12:39 PM	28.97	68	0	0	0.3	19.4	0
Central Supermarket	GMSG-98	07/21/03	11:57 AM	28.57	71	0	0	0.3	19.4	0
Central Supermarket	GMSG-98	08/05/03	2:23 PM	28.70	81	0	0	0.2	19.2	0
Central Supermarket	GMSG-98	09/26/03	1:49 PM	28.36	54	T	0	0.4	18.9	0
Central Supermarket	GMSG-98	11/02/03	3:50 PM	28.91	42	0	0	0.2	19.2	0
Central Supermarket	GMSG-98	01/21/04	11:00 AM	28.40	20	T	0	0.2	18.8	0
Central Supermarket	GMSG-98	04/19/04	8:50 AM	28.59	41	0	0	0.1	17.7	0
Central Supermarket	GMSG-98	07/14/04	2:38 PM	28.67	78	0	0	0	20	0
Central Supermarket	GMSG-98	10/30/04	9:36 AM	27.92	55	T	0	0.1	19.4	0
Central Supermarket	GMSG-98	02/08/05	9:12 AM	28.99	15	0	--	--	--	0
Central Supermarket	GMSG-98	04/04/05	2:56 PM	28.72	56	0	--	--	--	0
Central Supermarket	GMSG-98	07/05/05	1:20 PM	28.88	66	0	--	--	--	0
Central Supermarket	GMSG-98	10/11/05	4:05 PM	28.99	56	0	--	--	--	0
Central Supermarket	GMSG-98	02/27/06	1:12 PM	28.84	20	0	--	--	--	0
Central Supermarket	GMSG-98	04/06/06	3:00 PM	28.50	57	0	--	--	--	0
Central Supermarket	GMSG-98	07/13/06	11:04 AM	28.78	89	0	--	--	--	0
Central Supermarket	GMSG-98	10/11/06	11:17 AM	28.06	42	0.03	--	--	--	0
Central Supermarket	GMSG-98	01/31/07	4:16 PM	28.46	19	0	--	--	--	0
Central Supermarket	GMSG-98	04/05/07	2:17 PM	28.88	23	T	--	--	--	0
Central Supermarket	GMSG-98	07/19/07	2:02 PM	30.03	66	0	--	--	--	0
Central Supermarket	GMSG-98	10/17/07	3:04 PM	29.86	60	0	--	--	--	0
Central Supermarket	GMSG-98	01/16/08	9:39 AM	29.97	22	0	--	--	--	0
Central Supermarket	GMSG-98	04/14/08	2:16 PM	30.22	47	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Central Supermarket	GMSG-98	07/09/08	10:07 AM	29.89	69	0	--	--	--	0
Central Supermarket	GMSG-98	10/21/08	3:41 PM	30.40	43	0	--	--	--	0
Central Supermarket	GMSG-98	01/05/09	1:01 PM	28.59	11	0	--	--	--	0
Central Supermarket	GMSG-98	04/02/09	1:45 PM	28.42	43	0	--	--	--	0
Central Supermarket	GMSG-98	07/31/09	8:02 AM	28.64	60	0	--	--	--	0
Central Supermarket	GMSG-98	10/23/09	12:11 PM	28.38	35	0.1	--	--	--	0
Central Supermarket	GMSG-98	04/19/10	2:58 PM	28.88	64	0	--	--	--	0
Central Supermarket	GMSG-98	11/03/10	12:27 PM	28.51	54	0	--	--	--	0
Central Supermarket	GMSG-98	07/08/11	1:20 PM	28.63	82	0	--	--	--	0
Central Supermarket	GMSG-98	10/22/12	2:58 PM	28.72	63	0	--	--	--	0
Central Supermarket	GMSG-98	11/05/13	3:26 PM	28.87	50	0	--	--	--	0
Central Supermarket	GMSG-98	08/11/14	3:30 PM	28.65	67	T	--	--	--	0
Central Supermarket	GMSG-98	08/04/15	1:04 PM	28.66	72	0	--	--	--	0
Cerasoli Motors	GMSG-75	07/13/02	10:19 AM	28.79	79	0	0	1	19.2	0
Cerasoli Motors	GMSG-75	07/22/02	9:12 AM	28.65	78	0	0	0.5	20	0
Cerasoli Motors	GMSG-75	08/12/02	8:45 AM	28.64	67	0.08	0	1.5	19.2	0
Cerasoli Motors	GMSG-75	10/18/02	1:06 PM	28.46	33	0.04	0	0.5	18.7	0
Cerasoli Motors	GMSG-75	01/23/03	1:49 PM	29.17	10	0	0	0.2	20.4	0
Cerasoli Motors	GMSG-75	01/30/03	11:10 AM	28.75	26	0	0	0.3	19.7	0
Cerasoli Motors	GMSG-75	02/06/03	11:52 AM	28.91	17	0	0	0.2	20.3	0
Cerasoli Motors	GMSG-75	03/04/03	12:45 PM	28.63	14	T	0	0.3	19.6	0
Cerasoli Motors	GMSG-75	04/03/03	10:20 AM	28.89	25	0.01	0	0.4	19.2	0
Cerasoli Motors	GMSG-75	05/01/03	12:39 PM	28.69	66	0	0	0.3	19.6	0
Cerasoli Motors	GMSG-75	08/05/03	8:47 AM	28.73	73	0	0	0.8	17.7	0
Cerasoli Motors	GMSG-75	10/28/03	12:13 PM	28.10	44	T	0	0.7	18.7	0
Cerasoli Motors	GMSG-75	10/30/03	1:35 PM	28.60	44	T	--	--	--	--
Cerasoli Motors	GMSG-75	11/12/03	9:35 AM	28.35	38	T	--	--	--	--
Cerasoli Motors	GMSG-75	11/24/03	2:17 PM	28.33	17	T	--	--	--	--
Cerasoli Motors	GMSG-75	12/08/03	10:44 AM	28.66	37	0	--	--	--	--
Cerasoli Motors	GMSG-75	12/15/03	2:04 PM	28.50	25	0	--	--	--	--
Cerasoli Motors	GMSG-75	01/20/04	11:18 AM	29.07	9	0	0	0.5	18.3	0
Cerasoli Motors	GMSG-75	04/18/04	10:21 AM	28.57	45	T	0	0.3	17.1	0
Cerasoli Motors	GMSG-75	07/14/04	3:45 PM	28.67	78	0	0	0.4	18.6	0
Cerasoli Motors	GMSG-75	10/30/04	11:12 AM	27.95	49	T	0	0.4	19.1	0
Cerasoli Motors	GMSG-75	02/01/05	1:23 PM	29.11	33	0	--	--	--	0
Cerasoli Motors	GMSG-75	04/05/05	10:45 AM	28.58	65	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Cerasoli Motors	GMSG-75	07/01/05	10:50 AM	28.66	59	0	--	--	--	0
Cerasoli Motors	GMSG-75	10/14/05	2:55 PM	28.62	68	0	--	--	--	0
Cerasoli Motors	GMSG-75	03/01/06	10:51 AM	28.76	23	0	--	--	--	0
Cerasoli Motors	GMSG-75	04/14/06	1:41 PM	28.35	72	0	--	--	--	0
Cerasoli Motors	GMSG-75	07/17/06	10:18 AM	28.56	83	T	--	--	--	0
Cerasoli Motors	GMSG-75	10/10/06	8:36 AM	28.97	40	0	--	--	--	0
Cerasoli Motors	GMSG-75	02/02/07	8:17 AM	28.33	2	0	--	--	--	0
Cerasoli Motors	GMSG-75	04/09/07	8:59 AM	28.86	28	0	--	--	--	0
Cerasoli Motors	GMSG-75	07/20/07	10:22 AM	30.24	67	0	--	--	--	0
Cerasoli Motors	GMSG-75	10/23/07	10:31 AM	29.85	50	0	--	--	--	0
Cerasoli Motors	GMSG-75	01/25/08	2:19 PM	30.11	26	0	--	--	--	0
Cerasoli Motors	GMSG-75	04/29/08	2:13 PM	30.04	44	0	--	--	--	0
Cerasoli Motors	GMSG-75	07/22/08	11:29 AM	30.08	77	0	--	--	--	0
Cerasoli Motors	GMSG-75	10/22/08	1:46 PM	30.44	48	0	--	--	--	0
Cerasoli Motors	GMSG-75	01/29/09	1:32 PM	28.43	16	T	--	--	--	0
Cerasoli Motors	GMSG-75	04/24/09	10:55 AM	28.39	72	0	--	--	--	0
Cerasoli Motors	GMSG-75	10/30/09	12:37 PM	28.00	60	0	--	--	--	0
Cerasoli Motors	GMSG-75	04/30/10	10:08 AM	28.17	62	0	--	--	--	0
Cerasoli Motors	GMSG-75	11/05/10	3:39 PM	28.77	34	0	--	--	--	0
Cerasoli Motors	GMSG-75	07/10/11	3:58 PM	28.58	88	0	--	--	--	0
Cerasoli Motors	GMSG-75	11/02/12	2:45 PM	28.85	35	0	--	--	--	0
Cerasoli Motors	GMSG-75	11/11/13	3:30 PM	29.01	24	T	--	--	--	0
Cerasoli Motors	GMSG-75	08/21/14	1:17 PM	28.70	69	0	--	--	--	0
Cerasoli Motors	GMSG-75	08/07/15	11:43 AM	28.64	63	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	05/16/06	10:11 AM	28.63	67	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	05/25/06	9:47 AM	28.34	65	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	06/01/06	11:31 AM	28.89	77	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	07/07/06	12:08 PM	29.03	83	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	08/11/06	12:05 PM	28.96	70	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	09/06/06	1:51 PM	28.89	71	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	10/02/06	9:58 AM	28.66	70	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	02/03/07	2:52 PM	28.56	0	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	04/04/07	9:33 AM	28.61	20	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	07/17/07	9:49 AM	29.96	78	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	10/22/07	12:26 PM	30.03	51	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	01/03/08	11:10 AM	30.25	18	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Church of Jesus Christ Latter Day Saints	GMSG-568	04/24/08	11:50 AM	30.05	64	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	07/09/08	1:28 PM	29.88	75	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	10/02/08	1:47 PM	29.75	53	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	01/22/09	3:39 PM	28.55	22	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	03/30/09	1:31 PM	28.75	43	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	07/30/09	9:56 AM	28.58	61	0.01	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	10/19/09	10:35 AM	28.49	58	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	04/22/10	2:42 PM	28.57	55	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	10/28/10	2:18 PM	28.74	40	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	07/09/11	2:23 PM	28.61	75	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	10/26/12	2:25 PM	28.95	41	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	11/04/13	4:59 PM	28.72	45	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	08/11/14	11:40 AM	28.65	74	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-568	08/10/15	2:45 PM	28.64	80	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	05/16/06	10:06 AM	28.63	67	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	05/25/06	9:43 AM	28.34	65	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	06/01/06	11:26 AM	28.91	75	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	07/07/06	12:01 PM	29.03	83	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	08/11/06	11:56 AM	28.96	70	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	09/06/06	1:59 PM	28.89	71	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	10/02/06	9:54 AM	28.66	70	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	02/03/07	3:09 PM	28.56	0	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	02/03/07	3:13 PM	28.56	0	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	04/04/07	9:27 AM	28.60	21	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	07/17/07	9:45 AM	29.96	78	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	10/22/07	12:34 PM	29.99	51	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	01/03/08	11:02 AM	30.25	18	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	04/24/08	11:46 AM	30.05	64	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	07/09/08	1:23 PM	29.88	75	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	10/02/08	1:42 PM	29.75	53	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	01/22/09	3:26 PM	28.55	23	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	03/30/09	1:27 PM	28.77	41	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	07/30/09	9:49 AM	28.58	61	0.01	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	10/19/09	10:30 AM	28.49	58	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	04/22/10	2:39 PM	28.57	55	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	10/28/10	2:14 PM	28.74	40	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Church of Jesus Christ Latter Day Saints	GMSG-569	07/09/11	2:18 PM	28.61	75	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	10/26/12	2:50 PM	28.95	40	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	11/04/13	4:56 PM	28.72	45	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	08/11/14	11:55 AM	28.65	74	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-569	08/10/15	2:54 PM	28.64	80	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	05/16/06	10:09 AM	28.63	67	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	05/25/06	9:45 AM	28.34	65	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	06/01/06	11:28 AM	28.91	75	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	07/07/06	12:05 PM	29.03	83	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	08/11/06	11:59 AM	28.96	70	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	09/06/06	1:55 PM	28.89	71	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	10/02/06	9:56 AM	28.66	70	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	02/03/07	3:09 PM	28.56	0	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	04/04/07	9:30 AM	28.61	20	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	07/17/07	9:47 AM	29.96	78	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	10/22/07	12:30 PM	29.99	51	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	01/03/08	11:07 AM	30.25	18	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	04/24/08	11:48 AM	30.05	64	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	07/09/08	1:25 PM	29.88	75	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	10/02/08	1:44 PM	29.75	53	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	01/22/09	3:34 PM	28.55	22	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	03/30/09	1:29 PM	28.77	41	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	07/30/09	9:53 AM	28.58	61	0.01	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	10/19/09	10:32 AM	28.49	58	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	04/22/10	2:40 PM	28.57	55	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	10/28/10	2:16 PM	28.74	40	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	07/09/11	2:20 PM	28.61	75	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	10/26/12	2:36 PM	28.95	40	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	11/04/13	5:05 PM	28.72	45	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	08/11/14	11:45 AM	28.65	74	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-570	08/10/15	3:02 PM	28.64	80	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	05/16/06	10:04 AM	28.63	67	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	05/25/06	9:41 AM	28.34	65	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	06/01/06	11:21 AM	28.91	75	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	07/07/06	11:56 AM	29.03	83	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	08/11/06	11:53 AM	28.96	70	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Church of Jesus Christ Latter Day Saints	GMSG-571	09/06/06	2:04 PM	28.89	71	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	10/02/06	9:51 AM	28.66	70	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	02/03/07	3:18 PM	28.56	0	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	04/04/07	9:24 AM	28.60	21	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	07/17/07	9:43 AM	29.96	78	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	10/22/07	12:38 PM	29.99	51	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	01/03/08	10:57 AM	30.25	18	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	04/24/08	11:44 AM	30.05	64	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	07/09/08	1:21 PM	29.88	75	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	10/02/08	1:40 PM	29.75	53	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	01/22/09	3:15 PM	28.55	23	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	03/30/09	1:25 PM	28.77	41	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	07/30/09	9:45 AM	28.58	61	0.01	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	10/19/09	10:27 AM	28.49	54	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	04/22/10	2:37 PM	28.57	55	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	10/28/10	2:12 PM	28.74	40	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	07/09/11	2:16 PM	28.61	75	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	10/26/12	2:15 PM	28.95	41	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	11/04/13	5:01 PM	28.72	45	T	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	08/11/14	12:04 PM	28.65	74	0	--	--	--	0
Church of Jesus Christ Latter Day Saints	GMSG-571	08/10/15	2:32 PM	28.64	80	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	06/22/07	10:18 AM	28.97	70	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	06/29/07	1:05 PM	28.96	76	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	07/03/07	2:17 PM	29.94	79	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	07/20/07	8:58 AM	30.25	65	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	08/06/07	1:04 PM	29.86	82	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	09/17/07	3:52 PM	30.00	67	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	10/22/07	3:13 PM	30.01	52	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	01/07/08	10:19 AM	29.81	32	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	04/28/08	9:58 AM	30.06	35	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	07/14/08	10:01 AM	29.87	68	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	10/16/08	10:47 AM	30.27	50	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	01/22/09	1:48 PM	28.55	23	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	04/21/09	8:35 AM	28.19	34	T	--	--	--	0
City of Kingsford Public Works	GMSG-649	07/28/09	9:21 AM	28.45	68	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	10/20/09	2:43 PM	28.83	49	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
City of Kingsford Public Works	GMSG-649	04/26/10	11:40 AM	28.43	60	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	11/08/10	1:00 PM	28.66	54	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	07/09/11	10:36 AM	28.64	73	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	10/29/12	12:09 PM	29.04	46	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	11/11/13	9:40 AM	28.92	25	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	08/12/14	1:06 PM	28.61	66	0	--	--	--	0
City of Kingsford Public Works	GMSG-649	08/07/15	10:33 AM	28.64	62	T	--	--	--	0
City of Kingsford Public Works	GMSG-650	06/22/07	10:16 AM	28.97	70	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	06/29/07	1:08 PM	28.96	76	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	07/03/07	11:14 AM	29.98	76	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	07/20/07	9:00 AM	30.25	65	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	08/06/07	1:10 PM	29.86	82	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	09/17/07	3:55 PM	30.00	67	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	10/22/07	3:10 PM	30.01	52	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	01/07/08	10:16 AM	29.81	32	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	04/28/08	10:00 AM	30.06	35	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	07/14/08	10:03 AM	29.87	68	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	10/16/08	10:49 AM	30.27	50	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	01/22/09	1:35 PM	28.55	23	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	04/21/09	8:42 AM	28.19	34	T	--	--	--	0
City of Kingsford Public Works	GMSG-650	07/28/09	9:18 AM	28.45	68	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	10/20/09	2:45 PM	28.83	49	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	04/26/10	11:38 AM	28.43	60	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	11/08/10	1:03 PM	28.66	54	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	07/09/11	10:32 AM	28.64	73	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	10/29/12	12:12 PM	29.04	46	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	11/11/13	9:40 AM	28.92	25	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	08/12/14	1:25 PM	28.61	66	0	--	--	--	0
City of Kingsford Public Works	GMSG-650	08/07/15	10:29 AM	28.65	60	T	--	--	--	0
City of Kingsford Public Works	MMS-1	04/02/07	12:49 PM	28.66	45	0	--	--	--	0
City of Kingsford Public Works	MMS-1	07/20/07	9:02 AM	30.25	65	0	--	--	--	0
City of Kingsford Public Works	MMS-1	11/30/07	11:10 AM	30.15	10	0	--	--	--	0
City of Kingsford Public Works	MMS-1	01/07/08	10:21 AM	29.81	32	0	--	--	--	0
City of Kingsford Public Works	MMS-1	04/28/08	10:01 AM	30.06	35	0	--	--	--	0
City of Kingsford Public Works	MMS-1	07/14/08	10:05 AM	29.87	68	0	--	--	--	0
City of Kingsford Public Works	MMS-1	10/16/08	10:51 AM	30.27	50	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
City of Kingsford Public Works	MMS-1	01/22/09	1:52 PM	28.55	23	0	--	--	--	0
City of Kingsford Public Works	MMS-1	04/21/09	8:48 AM	28.19	34	T	--	--	--	0
City of Kingsford Public Works	MMS-1	07/28/09	9:29 AM	28.45	68	0	--	--	--	0
City of Kingsford Public Works	MMS-1	10/20/09	2:48 PM	28.83	49	0	--	--	--	0
City of Kingsford Public Works	MMS-1	04/26/10	11:41 AM	28.43	60	0	--	--	--	0
City of Kingsford Public Works	MMS-1	11/08/10	1:05 PM	28.66	54	0	--	--	--	0
City of Kingsford Public Works	MMS-1	07/15/11	9:04 AM	28.76	66	0	--	--	--	0
City of Kingsford Public Works	MMS-1	10/29/12	12:13 PM	29.04	46	0	--	--	--	0
City of Kingsford Public Works	MMS-1	03/21/14	9:59 AM	28.61	35	0	--	--	--	0
City of Kingsford Public Works	MMS-1	08/12/14	1:14 PM	28.61	66	0	--	--	--	0
City of Kingsford Public Works	MMS-1	08/07/15	10:36 AM	28.64	62	T	--	--	--	0
City of Kingsford Public Works	MMS-2	04/02/07	12:51 PM	28.66	45	0	--	--	--	0
City of Kingsford Public Works	MMS-2	07/20/07	9:04 AM	30.25	65	0	--	--	--	0
City of Kingsford Public Works	MMS-2	11/30/07	11:12 AM	30.15	10	0	--	--	--	0
City of Kingsford Public Works	MMS-2	01/07/08	10:23 AM	29.81	32	0	--	--	--	0
City of Kingsford Public Works	MMS-2	04/28/08	10:03 AM	30.06	35	0	--	--	--	0
City of Kingsford Public Works	MMS-2	07/14/08	10:06 AM	29.87	68	0	--	--	--	0
City of Kingsford Public Works	MMS-2	10/16/08	10:52 AM	30.27	50	0	--	--	--	0
City of Kingsford Public Works	MMS-2	01/22/09	1:55 PM	28.55	23	0	--	--	--	0
City of Kingsford Public Works	MMS-2	04/21/09	8:51 AM	28.19	34	T	--	--	--	0
City of Kingsford Public Works	MMS-2	07/28/09	9:25 AM	28.45	68	0	--	--	--	0
City of Kingsford Public Works	MMS-2	10/20/09	2:49 PM	28.83	49	0	--	--	--	0
City of Kingsford Public Works	MMS-2	04/26/10	11:43 AM	28.43	60	0	--	--	--	0
City of Kingsford Public Works	MMS-2	11/08/10	1:06 PM	28.66	54	0	--	--	--	0
City of Kingsford Public Works	MMS-2	07/15/11	9:06 AM	28.76	66	0	--	--	--	0
City of Kingsford Public Works	MMS-2	10/29/12	12:15 PM	29.04	46	0	--	--	--	0
City of Kingsford Public Works	MMS-2	03/21/14	10:02 AM	28.61	35	0	--	--	--	0
City of Kingsford Public Works	MMS-2	08/12/14	1:17 PM	28.61	66	0	--	--	--	0
City of Kingsford Public Works	MMS-2	08/07/15	10:39 AM	28.64	62	T	--	--	--	0
City of Kingsford Public Works	MMS-3	04/02/07	12:53 PM	28.66	45	0	--	--	--	0
City of Kingsford Public Works	MMS-3	07/20/07	9:05 AM	30.25	65	0	--	--	--	0
City of Kingsford Public Works	MMS-3	11/30/07	11:13 AM	30.15	10	0	--	--	--	0
City of Kingsford Public Works	MMS-3	01/07/08	10:24 AM	29.81	32	0	--	--	--	0
City of Kingsford Public Works	MMS-3	04/28/08	10:04 AM	30.06	35	0	--	--	--	0
City of Kingsford Public Works	MMS-3	07/14/08	10:08 AM	29.87	68	0	--	--	--	0
City of Kingsford Public Works	MMS-3	10/16/08	10:54 AM	30.27	50	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
City of Kingsford Public Works	MMS-3	01/22/09	1:58 PM	28.55	23	0	--	--	--	0
City of Kingsford Public Works	MMS-3	04/21/09	8:55 AM	28.19	34	T	--	--	--	0
City of Kingsford Public Works	MMS-3	10/20/09	2:51 PM	28.83	49	0	--	--	--	0
City of Kingsford Public Works	MMS-3	04/26/10	11:44 AM	28.43	60	0	--	--	--	0
City of Kingsford Public Works	MMS-3	11/08/10	1:07 PM	28.66	54	0	--	--	--	0
City of Kingsford Public Works	MMS-3	07/15/11	9:08 AM	28.76	66	0	--	--	--	0
City of Kingsford Public Works	MMS-3	10/29/12	12:16 PM	29.04	46	0	--	--	--	0
City of Kingsford Public Works	MMS-3	03/21/14	10:04 AM	28.61	35	0	--	--	--	0
City of Kingsford Public Works	MMS-3	08/12/14	1:36 PM	28.61	71	0	--	--	--	0
City of Kingsford Public Works	MMS-3	08/07/15	10:44 AM	28.64	62	T	--	--	--	0
Controls Supply	GMSG-405	10/14/03	5:47 PM	28.54	46	0	0	0.5	19	0
Controls Supply	GMSG-405	10/29/03	2:15 PM	28.48	43	0	0	0.4	18.9	0
Controls Supply	GMSG-405	11/11/03	2:58 PM	28.48	48	0	0	0.3	19.2	0
Controls Supply	GMSG-405	12/18/03	2:22 PM	28.51	25	0	0	0.2	18.9	0
Controls Supply	GMSG-405	01/21/04	11:19 AM	28.40	20	T	0	0.1	18.8	0
Controls Supply	GMSG-405	04/19/04	9:07 AM	28.59	41	0	0	0.3	17.4	0
Controls Supply	GMSG-405	07/14/04	2:51 PM	28.67	78	0	0	0.6	19	0
Controls Supply	GMSG-405	10/30/04	10:20 AM	27.92	55	T	0	0.5	19.2	0
Controls Supply	GMSG-405	02/08/05	9:51 AM	28.99	17	0	--	--	--	0
Controls Supply	GMSG-405	04/04/05	3:03 PM	28.72	56	0	--	--	--	0
Controls Supply	GMSG-405	07/05/05	1:34 PM	28.87	68	0	--	--	--	0
Controls Supply	GMSG-405	10/11/05	3:35 PM	28.99	56	0	--	--	--	0
Controls Supply	GMSG-405	02/27/06	12:49 PM	28.84	20	0	--	--	--	0
Controls Supply	GMSG-405	04/06/06	3:06 PM	28.50	57	0	--	--	--	0
Controls Supply	GMSG-405	07/13/06	10:48 AM	28.78	89	0	--	--	--	0
Controls Supply	GMSG-405	10/11/06	11:35 AM	28.05	43	0.01	--	--	--	0
Controls Supply	GMSG-405	02/01/07	10:47 AM	28.40	13	0	--	--	--	0
Controls Supply	GMSG-405	04/05/07	2:12 PM	28.88	23	T	--	--	--	0
Controls Supply	GMSG-405	07/19/07	1:58 PM	30.03	66	0	--	--	--	0
Controls Supply	GMSG-405	10/18/07	9:05 AM	29.27	60	0.04	--	--	--	0
Controls Supply	GMSG-405	01/15/08	2:46 PM	30.01	24	0	--	--	--	0
Controls Supply	GMSG-405	04/14/08	2:00 PM	30.22	47	0	--	--	--	0
Controls Supply	GMSG-405	07/09/08	9:55 AM	29.89	69	0	--	--	--	0
Controls Supply	GMSG-405	10/21/08	3:31 PM	30.40	43	0	--	--	--	0
Controls Supply	GMSG-405	01/05/09	11:59 AM	28.64	6	0	--	--	--	0
Controls Supply	GMSG-405	04/02/09	1:51 PM	28.42	43	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Controls Supply	GMSG-405	07/31/09	7:48 AM	28.64	60	0	--	--	--	0
Controls Supply	GMSG-405	10/23/09	1:13 PM	28.32	36	0.08	--	--	--	0
Controls Supply	GMSG-405	04/19/10	2:43 PM	28.88	64	0	--	--	--	0
Controls Supply	GMSG-405	11/03/10	11:52 AM	28.51	54	0	--	--	--	0
Controls Supply	GMSG-405	07/08/11	9:28 AM	28.63	74	0	--	--	--	0
Controls Supply	GMSG-405	10/22/12	3:12 PM	28.72	63	0	--	--	--	0
Controls Supply	GMSG-405	11/06/13	11:46 AM	28.55	37	0	--	--	--	0
Controls Supply	GMSG-405	08/11/14	2:25 PM	28.64	73	0	--	--	--	0
Controls Supply	GMSG-405	08/07/15	12:22 PM	28.64	63	T	--	--	--	0
Controls Supply	GMSG-591	06/06/06	3:15 PM	28.55	65	0.19	--	--	--	0
Controls Supply	GMSG-591	06/15/06	1:56 PM	28.84	78	0	--	--	--	0
Controls Supply	GMSG-591	06/23/06	11:04 AM	29.00	69	0	--	--	--	0
Controls Supply	GMSG-591	07/13/06	10:33 AM	28.78	89	0	--	--	--	0
Controls Supply	GMSG-591	08/11/06	11:15 AM	28.97	68	0	--	--	--	0
Controls Supply	GMSG-591	09/19/06	10:08 AM	28.50	50	0	--	--	--	0
Controls Supply	GMSG-591	10/11/06	11:32 AM	28.05	43	0.01	--	--	--	0
Controls Supply	GMSG-591	02/01/07	10:32 AM	28.40	13	0	--	--	--	0
Controls Supply	GMSG-591	04/05/07	2:05 PM	28.88	23	T	--	--	--	0
Controls Supply	GMSG-591	07/19/07	1:52 PM	30.03	66	0	--	--	--	0
Controls Supply	GMSG-591	10/18/07	8:50 AM	29.27	60	0.04	--	--	--	0
Controls Supply	GMSG-591	01/15/08	3:05 PM	30.01	24	0	--	--	--	0
Controls Supply	GMSG-591	04/14/08	1:57 PM	30.22	47	0	--	--	--	0
Controls Supply	GMSG-591	07/09/08	10:00 AM	29.89	69	0	--	--	--	0
Controls Supply	GMSG-591	10/21/08	3:37 PM	30.40	43	0	--	--	--	0
Controls Supply	GMSG-591	01/05/09	11:47 AM	28.64	6	0	--	--	--	0
Controls Supply	GMSG-591	04/02/09	1:50 PM	28.42	43	0	--	--	--	0
Controls Supply	GMSG-591	07/31/09	7:54 AM	28.64	60	0	--	--	--	0
Controls Supply	GMSG-591	10/23/09	1:07 PM	28.32	36	0.08	--	--	--	0
Controls Supply	GMSG-591	04/19/10	2:40 PM	28.88	64	0	--	--	--	0
Controls Supply	GMSG-591	11/03/10	11:54 AM	28.51	54	0	--	--	--	0
Controls Supply	GMSG-591	07/08/11	9:34 AM	28.64	76	0	--	--	--	0
Controls Supply	GMSG-591	10/22/12	3:14 PM	28.72	63	0	--	--	--	0
Controls Supply	GMSG-591	11/06/13	11:48 AM	28.55	37	0	--	--	--	0
Controls Supply	GMSG-591	08/11/14	2:33 PM	28.64	72	0	--	--	--	0
Controls Supply	GMSG-591	08/07/15	12:24 PM	28.64	63	T	--	--	--	0
Controls Supply	GMSG-592	06/06/06	3:17 PM	28.55	65	0.19	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Controls Supply	GMSG-592	06/15/06	2:00 PM	28.84	78	0	--	--	--	0
Controls Supply	GMSG-592	06/23/06	11:08 AM	29.00	69	0	--	--	--	0
Controls Supply	GMSG-592	07/13/06	10:37 AM	28.78	89	0	--	--	--	0
Controls Supply	GMSG-592	08/11/06	11:31 AM	28.96	70	0	--	--	--	0
Controls Supply	GMSG-592	09/19/06	10:10 AM	28.50	50	0	--	--	--	0
Controls Supply	GMSG-592	10/11/06	11:42 AM	28.05	43	0.01	--	--	--	0
Controls Supply	GMSG-592	02/01/07	10:46 AM	28.40	13	0	--	--	--	0
Controls Supply	GMSG-592	04/05/07	2:08 PM	28.88	23	T	--	--	--	0
Controls Supply	GMSG-592	07/19/07	1:54 PM	30.03	66	0	--	--	--	0
Controls Supply	GMSG-592	10/18/07	8:53 AM	29.27	60	0.04	--	--	--	0
Controls Supply	GMSG-592	01/15/08	3:27 PM	30.01	24	0	--	--	--	0
Controls Supply	GMSG-592	04/14/08	2:11 PM	30.22	47	0	--	--	--	0
Controls Supply	GMSG-592	07/09/08	10:02 AM	29.89	69	0	--	--	--	0
Controls Supply	GMSG-592	10/21/08	3:36 PM	30.40	43	0	--	--	--	0
Controls Supply	GMSG-592	01/05/09	11:54 AM	28.64	6	0	--	--	--	0
Controls Supply	GMSG-592	04/24/09	11:20 AM	28.39	72	0	--	--	--	0
Controls Supply	GMSG-592	07/31/09	7:53 AM	28.64	60	0	--	--	--	0
Controls Supply	GMSG-592	10/23/09	1:09 PM	28.32	36	0.08	--	--	--	0
Controls Supply	GMSG-592	04/19/10	2:39 PM	28.88	64	0	--	--	--	0
Controls Supply	GMSG-592	11/03/10	11:56 AM	28.51	54	0	--	--	--	0
Controls Supply	GMSG-592	07/08/11	9:37 AM	28.64	76	0	--	--	--	0
Controls Supply	GMSG-592	10/22/12	3:08 PM	28.72	63	0	--	--	--	0
Controls Supply	GMSG-592	11/06/13	11:50 AM	28.55	37	0	--	--	--	0
Controls Supply	GMSG-592	08/11/14	2:36 PM	28.64	72	0	--	--	--	0
Controls Supply	GMSG-592	08/07/15	12:14 PM	28.64	63	T	--	--	--	0
Controls Supply	GMSG-593	06/06/06	3:19 PM	28.55	65	0.19	--	--	--	0
Controls Supply	GMSG-593	06/15/06	2:03 PM	28.84	78	0	--	--	--	0
Controls Supply	GMSG-593	06/23/06	11:12 AM	29.00	69	0	--	--	--	0
Controls Supply	GMSG-593	07/13/06	10:41 AM	28.78	89	0	--	--	--	0
Controls Supply	GMSG-593	08/11/06	11:27 AM	28.97	68	0	--	--	--	0
Controls Supply	GMSG-593	09/19/06	10:13 AM	28.50	50	0	--	--	--	0
Controls Supply	GMSG-593	10/11/06	11:38 AM	28.05	43	0.01	--	--	--	0
Controls Supply	GMSG-593	02/01/07	10:49 AM	28.40	13	0	--	--	--	0
Controls Supply	GMSG-593	04/05/07	2:10 PM	28.88	23	T	--	--	--	0
Controls Supply	GMSG-593	07/19/07	1:56 PM	30.03	66	0	--	--	--	0
Controls Supply	GMSG-593	10/18/07	9:00 AM	29.27	60	0.04	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Controls Supply	GMSG-593	01/15/08	2:57 PM	30.01	24	0	--	--	--	0
Controls Supply	GMSG-593	04/14/08	2:03 PM	30.22	47	0	--	--	--	0
Controls Supply	GMSG-593	07/09/08	9:57 AM	29.89	69	0	--	--	--	0
Controls Supply	GMSG-593	10/21/08	3:34 PM	30.40	43	0	--	--	--	0
Controls Supply	GMSG-593	01/05/09	12:06 PM	28.64	6	0	--	--	--	0
Controls Supply	GMSG-593	04/02/09	1:53 PM	28.42	43	0	--	--	--	0
Controls Supply	GMSG-593	07/31/09	7:50 AM	28.64	60	0	--	--	--	0
Controls Supply	GMSG-593	10/23/09	1:11 PM	28.32	36	0.08	--	--	--	0
Controls Supply	GMSG-593	04/19/10	2:42 PM	28.88	64	0	--	--	--	0
Controls Supply	GMSG-593	11/03/10	11:51 AM	28.51	54	0	--	--	--	0
Controls Supply	GMSG-593	07/08/11	9:31 AM	28.64	76	0	--	--	--	0
Controls Supply	GMSG-593	07/10/11	6:15 PM	28.57	84	0	--	--	--	0
Controls Supply	GMSG-593	10/22/12	3:10 PM	28.72	63	0	--	--	--	0
Controls Supply	GMSG-593	11/06/13	11:52 AM	28.55	37	0	--	--	--	0
Controls Supply	GMSG-593	08/11/14	2:28 PM	28.64	73	0	--	--	--	0
Controls Supply	GMSG-593	11/24/15	3:08 PM	28.98	36		--	--	--	0
DC Auto Electric	GMSG-669	01/28/10	11:52 AM	28.99	3	T	--	--	--	0
DC Auto Electric	GMSG-669	06/16/10	12:45 PM	28.72	67	0	--	--	--	0
DC Auto Electric	GMSG-669	06/25/10	11:07 AM	28.71	77	0	--	--	--	0
DC Auto Electric	GMSG-669	06/30/10	11:13 AM	NA	NA	NA	--	--	--	0
DC Auto Electric	GMSG-669	07/08/10	12:15 PM	28.75	80	0	--	--	--	0
DC Auto Electric	GMSG-669	08/05/10	2:10 PM	28.52	75	0	--	--	--	0
DC Auto Electric	GMSG-669	08/06/10	4:41 PM	28.64	74	0	--	--	--	0
DC Auto Electric	GMSG-669	09/02/10	1:40 PM	28.52	66	0	--	--	--	0
DC Auto Electric	GMSG-669	10/07/10	1:06 PM	28.76	69	0	--	--	--	0
DC Auto Electric	GMSG-669	10/28/10	12:05 PM	28.69	40	T	--	--	--	0
DC Auto Electric	GMSG-669	01/28/11	11:52 AM	28.60	17	T	--	--	--	0
DC Auto Electric	GMSG-669	05/03/11	12:54 PM	28.95	46	0	--	--	--	0
DC Auto Electric	GMSG-669	05/10/11	12:20 PM	28.59	60	0	--	--	--	0
DC Auto Electric	GMSG-669	07/10/11	9:39 AM	28.61	79	0	--	--	--	0
DC Auto Electric	GMSG-669	11/09/11	3:23 PM	28.35	33	0.02	--	--	--	0
DC Auto Electric	GMSG-669	01/25/12	2:01 PM	28.85	42	0	--	--	--	0
DC Auto Electric	GMSG-669	04/30/12	12:57 PM	28.64	47	0	--	--	--	0
DC Auto Electric	GMSG-669	08/16/12	1:52 PM	28.47	72	0	--	--	--	0
DC Auto Electric	GMSG-669	11/01/12	2:28 PM	28.52	44	0	--	--	--	0
DC Auto Electric	GMSG-669	04/29/13	10:54 AM	28.53	62	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
DC Auto Electric	GMSG-669	11/09/13	12:00 PM	28.38	40	0	--	--	--	0
DC Auto Electric	GMSG-669	08/14/14	11:30 AM	28.84	69	0	--	--	--	0
DC Auto Electric	GMSG-669	08/05/15	10:35 AM	28.83	67	0	--	--	--	0
DC Auto Electric	GMSG-670	06/16/10	12:47 PM	28.72	67	0	--	--	--	0
DC Auto Electric	GMSG-670	06/25/10	11:10 AM	28.71	77	0	--	--	--	0
DC Auto Electric	GMSG-670	06/30/10	11:15 AM	NA	NA	NA	--	--	--	0
DC Auto Electric	GMSG-670	07/08/10	12:17 PM	28.75	80	0	--	--	--	0
DC Auto Electric	GMSG-670	08/05/10	2:12 PM	28.52	75	0	--	--	--	0
DC Auto Electric	GMSG-670	08/06/10	4:35 PM	28.64	74	0	--	--	--	4
DC Auto Electric	GMSG-670	08/10/10	8:40 AM	28.76	81	0	--	--	--	0
DC Auto Electric	GMSG-670	09/02/10	1:42 PM	28.52	66	0	--	--	--	0
DC Auto Electric	GMSG-670	10/07/10	1:08 PM	28.76	69	0	--	--	--	0
DC Auto Electric	GMSG-670	10/28/10	12:00 PM	28.69	40	T	--	--	--	0
DC Auto Electric	GMSG-670	01/25/11	11:20 AM	28.71	20	T	--	--	--	0
DC Auto Electric	GMSG-670	05/03/11	1:04 PM	28.95	46	0	--	--	--	3
DC Auto Electric	GMSG-670	05/04/11	10:55 AM	29.05	60	0	--	--	--	3
DC Auto Electric	GMSG-670	05/10/11	12:23 PM	28.59	60	0	--	--	--	0
DC Auto Electric	GMSG-670	07/10/11	9:19 AM	28.60	79	0	--	--	--	0
DC Auto Electric	GMSG-670	11/09/11	3:25 PM	28.35	33	0.02	--	--	--	0
DC Auto Electric	GMSG-670	01/25/12	2:04 PM	28.85	42	0	--	--	--	0
DC Auto Electric	GMSG-670	04/30/12	12:58 PM	28.64	47	0	--	--	--	0
DC Auto Electric	GMSG-670	08/16/12	1:46 PM	28.47	72	0	--	--	--	0
DC Auto Electric	GMSG-670	11/01/12	2:35 PM	28.54	41	0	--	--	--	0
DC Auto Electric	GMSG-670	04/29/13	10:56 AM	28.53	62	0	--	--	--	0
DC Auto Electric	GMSG-670	11/09/13	12:00 PM	28.38	40	0	--	--	--	0
DC Auto Electric	GMSG-670	10/01/14	9:32 AM	28.74	51	0	--	--	--	0
DC Auto Electric	GMSG-670	08/05/15	10:39 AM	28.83	67	0	--	--	--	0
DC Auto Electric	GMSG-671	06/16/10	12:49 PM	28.72	67	0	--	--	--	0
DC Auto Electric	GMSG-671	06/25/10	11:12 AM	28.71	77	0	--	--	--	0
DC Auto Electric	GMSG-671	06/30/10	11:16 AM	NA	NA	NA	--	--	--	0
DC Auto Electric	GMSG-671	07/08/10	12:19 PM	28.75	80	0	--	--	--	0
DC Auto Electric	GMSG-671	08/05/10	2:15 PM	28.52	75	0	--	--	--	0
DC Auto Electric	GMSG-671	08/06/10	4:36 PM	28.64	74	0	--	--	--	0
DC Auto Electric	GMSG-671	09/02/10	1:45 PM	28.52	66	0	--	--	--	0
DC Auto Electric	GMSG-671	10/07/10	1:09 PM	28.76	69	0	--	--	--	0
DC Auto Electric	GMSG-671	10/28/10	12:01 PM	28.69	40	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
DC Auto Electric	GMSG-671	01/25/11	11:27 AM	28.71	20	T	--	--	--	0
DC Auto Electric	GMSG-671	05/03/11	12:58 PM	28.95	46	0	--	--	--	3
DC Auto Electric	GMSG-671	05/04/11	11:00 AM	29.05	60	0	--	--	--	3
DC Auto Electric	GMSG-671	05/10/11	12:26 PM	28.59	60	0	--	--	--	0
DC Auto Electric	GMSG-671	07/10/11	9:21 AM	28.60	79	0	--	--	--	0
DC Auto Electric	GMSG-671	11/09/11	3:27 PM	28.35	33	0.02	--	--	--	0
DC Auto Electric	GMSG-671	01/25/12	2:09 PM	28.85	42	0	--	--	--	0
DC Auto Electric	GMSG-671	04/30/12	1:00 PM	28.64	47	0	--	--	--	0
DC Auto Electric	GMSG-671	08/16/12	1:48 PM	28.47	72	0	--	--	--	0
DC Auto Electric	GMSG-671	11/01/12	2:33 PM	28.54	41	0	--	--	--	0
DC Auto Electric	GMSG-671	04/29/13	10:59 AM	28.53	62	0	--	--	--	0
DC Auto Electric	GMSG-671	11/09/13	12:00 PM	28.38	40	0	--	--	--	0
DC Auto Electric	GMSG-671	08/14/14	11:20 AM	28.86	67	0	--	--	--	0
DC Auto Electric	GMSG-671	08/05/15	10:42 AM	28.83	67	0	--	--	--	0
DC Auto Electric	GMSG-672	06/16/10	12:51 PM	28.72	67	0	--	--	--	0
DC Auto Electric	GMSG-672	06/25/10	11:14 AM	28.71	77	0	--	--	--	0
DC Auto Electric	GMSG-672	06/30/10	11:18 AM	NA	NA	NA	--	--	--	0
DC Auto Electric	GMSG-672	07/08/10	12:21 PM	28.75	80	0	--	--	--	0
DC Auto Electric	GMSG-672	08/05/10	2:17 PM	28.52	75	0	--	--	--	0
DC Auto Electric	GMSG-672	08/06/10	4:38 PM	28.64	74	0	--	--	--	0
DC Auto Electric	GMSG-672	09/02/10	1:47 PM	28.52	66	0	--	--	--	0
DC Auto Electric	GMSG-672	10/07/10	1:12 PM	28.76	69	0	--	--	--	0
DC Auto Electric	GMSG-672	10/28/10	12:03 PM	28.69	40	T	--	--	--	0
DC Auto Electric	GMSG-672	01/25/11	11:30 AM	28.66	21	T	--	--	--	0
DC Auto Electric	GMSG-672	05/03/11	12:56 PM	28.95	46	0	--	--	--	0
DC Auto Electric	GMSG-672	05/10/11	12:29 PM	28.59	60	0	--	--	--	0
DC Auto Electric	GMSG-672	07/10/11	9:24 AM	28.60	79	0	--	--	--	0
DC Auto Electric	GMSG-672	11/09/11	3:28 PM	28.35	33	0.02	--	--	--	0
DC Auto Electric	GMSG-672	01/25/12	2:11 PM	28.85	42	0	--	--	--	0
DC Auto Electric	GMSG-672	04/30/12	1:03 PM	28.64	47	0	--	--	--	0
DC Auto Electric	GMSG-672	08/16/12	1:50 PM	28.47	72	0	--	--	--	0
DC Auto Electric	GMSG-672	11/01/12	2:31 PM	28.54	41	0	--	--	--	0
DC Auto Electric	GMSG-672	04/29/13	11:02 AM	28.53	62	0	--	--	--	0
DC Auto Electric	GMSG-672	11/09/13	12:00 PM	28.38	40	0	--	--	--	0
DC Auto Electric	GMSG-672	08/14/14	11:25 AM	28.86	67	0	--	--	--	0
DC Auto Electric	GMSG-672	08/05/15	10:46 AM	28.83	67	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Decamara Logging	GMSG-416	10/14/03	4:55 PM	28.52	49	0	0	0.3	19.3	0
Decamara Logging	GMSG-416	10/29/03	1:55 PM	28.48	43	0	0	0.2	19.3	0
Decamara Logging	GMSG-416	11/12/03	11:49 AM	28.23	40	0	0	1	18.4	0
Decamara Logging	GMSG-416	12/18/03	9:42 AM	28.58	24	0	0	0.2	18.8	0
Decamara Logging	GMSG-416	01/21/04	7:58 AM	28.48	11	T	0	0.5	18.7	0
Decamara Logging	GMSG-416	04/18/04	9:39 AM	28.57	45	T	0	0.9	16.9	0
Decamara Logging	GMSG-416	07/14/04	3:10 PM	28.67	78	0	0	0.4	19.2	0
Decamara Logging	GMSG-416	10/31/04	11:27 AM	--	--	--	0	0.2	19.9	0
Decamara Logging	GMSG-416	02/08/05	3:44 PM	28.97	21	0	--	--	--	0
Decamara Logging	GMSG-416	04/04/05	2:31 PM	28.72	56	0	--	--	--	0
Decamara Logging	GMSG-416	07/06/05	9:28 AM	28.96	65	0	--	--	--	0
Decamara Logging	GMSG-416	10/13/05	12:30 PM	28.80	59	0	--	--	--	0
Decamara Logging	GMSG-416	03/03/06	12:24 PM	29.14	26	0	--	--	--	0
Decamara Logging	GMSG-416	04/11/06	8:30 AM	28.68	59	0	--	--	--	0
Decamara Logging	GMSG-416	07/11/06	1:09 PM	28.79	73	0	--	--	--	0
Decamara Logging	GMSG-416	10/10/06	3:40 PM	28.71	51	0	--	--	--	0
Decamara Logging	GMSG-416	02/06/07	2:35 PM	28.81	8	0	--	--	--	0
Decamara Logging	GMSG-416	04/04/07	9:47 AM	28.61	20	T	--	--	--	0
Decamara Logging	GMSG-416	07/19/07	11:16 AM	29.99	67	0	--	--	--	0
Decamara Logging	GMSG-416	11/01/07	3:08 PM	30.14	48	0	--	--	--	0
Decamara Logging	GMSG-416	01/14/08	3:16 PM	29.94	25	0	--	--	--	0
Decamara Logging	GMSG-416	04/15/08	1:03 PM	29.90	54	0	--	--	--	0
Decamara Logging	GMSG-416	07/14/08	1:44 PM	29.89	76	0	--	--	--	0
Decamara Logging	GMSG-416	10/16/08	2:45 PM	30.25	54	0	--	--	--	0
Decamara Logging	GMSG-416	01/22/09	10:58 AM	28.57	22	0	--	--	--	0
Decamara Logging	GMSG-416	04/20/09	12:00 PM	28.31	34	0.02	--	--	--	0
Decamara Logging	GMSG-416	07/27/09	3:41 PM	28.48	78	0	--	--	--	0
Decamara Logging	GMSG-416	10/22/09	1:20 PM	28.86	41	0	--	--	--	0
Decamara Logging	GMSG-416	04/22/10	10:39 AM	28.63	48	0	--	--	--	0
Decamara Logging	GMSG-416	11/05/10	2:52 PM	28.75	35	0	--	--	--	0
Decamara Logging	GMSG-416	07/08/11	6:10 PM	28.65	76	0	--	--	--	0
Decamara Logging	GMSG-416	10/24/12	2:47 PM	28.57	60	0	--	--	--	0
Decamara Logging	GMSG-416	11/13/13	11:30 AM	28.71	43	0	--	--	--	0
Decamara Logging	GMSG-416	08/03/15	10:15 AM	28.50	72	0	--	--	--	0
Decamara Logging	GMSG-537	10/31/05	3:57 PM	28.70	51	0	--	--	--	0
Decamara Logging	GMSG-537	11/08/05	9:10 AM	28.90	36	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Decamara Logging	GMSG-537	11/14/05	1:53 PM	29.02	39	0	--	--	--	0
Decamara Logging	GMSG-537	11/23/05	10:13 AM	28.02	26	0.01	--	--	--	0
Decamara Logging	GMSG-537	12/07/05	2:25 PM	29.27	23	0	--	--	--	0
Decamara Logging	GMSG-537	03/03/06	1:07 PM	29.14	27	0	--	--	--	0
Decamara Logging	GMSG-537	04/11/06	8:23 AM	28.69	53	0	--	--	--	0
Decamara Logging	GMSG-537	07/11/06	1:49 PM	28.79	75	0	--	--	--	0
Decamara Logging	GMSG-537	10/10/06	3:37 PM	28.71	51	0	--	--	--	0
Decamara Logging	GMSG-537	02/06/07	2:46 PM	28.81	8	0	--	--	--	0
Decamara Logging	GMSG-537	04/04/07	9:57 AM	28.61	20	T	--	--	--	0
Decamara Logging	GMSG-537	07/19/07	11:22 AM	29.99	67	0	--	--	--	0
Decamara Logging	GMSG-537	11/01/07	3:06 PM	30.14	48	0	--	--	--	0
Decamara Logging	GMSG-537	01/14/08	3:12 PM	29.94	25	0	--	--	--	0
Decamara Logging	GMSG-537	04/15/08	1:09 PM	29.90	54	0	--	--	--	0
Decamara Logging	GMSG-537	07/14/08	1:42 PM	29.89	76	0	--	--	--	0
Decamara Logging	GMSG-537	10/16/08	2:42 PM	30.25	54	0	--	--	--	0
Decamara Logging	GMSG-537	01/22/09	10:15 AM	28.56	21	0	--	--	--	0
Decamara Logging	GMSG-537	04/20/09	11:58 AM	28.31	34	0.02	--	--	--	0
Decamara Logging	GMSG-537	07/27/09	3:45 PM	28.48	78	0	--	--	--	0
Decamara Logging	GMSG-537	10/24/12	2:44 PM	28.57	60	0	--	--	--	0
Decamara Logging	GMSG-537	11/08/13	11:23 AM	28.89	39	0	--	--	--	0
Decamara Logging	GMSG-537	08/23/14	2:06 PM	28.80	67	0.13	--	--	--	0
Decamara Logging	GMSG-537	08/03/15	10:12 AM	28.50	72	0	--	--	--	0
Decamara Logging	GMSG-538	10/31/05	4:00 PM	28.70	51	0	--	--	--	0
Decamara Logging	GMSG-538	11/08/05	9:05 AM	28.90	36	0	--	--	--	0
Decamara Logging	GMSG-538	11/14/05	2:00 PM	29.02	39	0	--	--	--	0
Decamara Logging	GMSG-538	11/23/05	10:00 AM	28.02	26	0.01	--	--	--	0
Decamara Logging	GMSG-538	12/07/05	2:29 PM	29.27	23	0	--	--	--	0
Decamara Logging	GMSG-538	03/03/06	12:52 PM	29.14	27	0	--	--	--	0
Decamara Logging	GMSG-538	04/11/06	8:26 AM	28.69	53	0	--	--	--	0
Decamara Logging	GMSG-538	07/11/06	1:00 PM	28.79	73	0	--	--	--	0
Decamara Logging	GMSG-538	10/10/06	3:47 PM	28.71	51	0	--	--	--	0
Decamara Logging	GMSG-538	02/05/07	7:58 AM	29.06	-13	0	--	--	--	0
Decamara Logging	GMSG-538	04/04/07	9:43 AM	28.61	20	T	--	--	--	0
Decamara Logging	GMSG-538	07/19/07	11:20 AM	29.99	67	0	--	--	--	0
Decamara Logging	GMSG-538	11/01/07	3:04 PM	30.14	48	0	--	--	--	0
Decamara Logging	GMSG-538	01/14/08	3:08 PM	29.94	25	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Decamara Logging	GMSG-538	04/15/08	1:07 PM	29.90	54	0	--	--	--	0
Decamara Logging	GMSG-538	07/14/08	1:38 PM	29.89	76	0	--	--	--	0
Decamara Logging	GMSG-538	10/16/08	2:40 PM	30.25	54	0	--	--	--	0
Decamara Logging	GMSG-538	01/22/09	10:10 AM	28.56	21	0	--	--	--	0
Decamara Logging	GMSG-538	04/20/09	11:56 AM	28.31	34	0.02	--	--	--	0
Decamara Logging	GMSG-538	07/27/09	3:48 PM	28.48	78	0	--	--	--	0
Decamara Logging	GMSG-538	10/22/09	1:18 PM	28.86	41	0	--	--	--	0
Decamara Logging	GMSG-538	04/22/10	10:36 AM	28.63	48	0	--	--	--	0
Decamara Logging	GMSG-538	11/05/10	2:50 PM	28.75	35	0	--	--	--	0
Decamara Logging	GMSG-538	07/08/11	6:15 PM	28.65	76	0	--	--	--	0
Decamara Logging	GMSG-538	10/24/12	2:40 PM	28.57	60	0	--	--	--	0
Decamara Logging	GMSG-538	11/08/13	11:20 AM	28.89	39	0	--	--	--	0
Decamara Logging	GMSG-538	08/23/14	1:58 PM	28.80	67	0.13	--	--	--	0
Decamara Logging	GMSG-538	08/03/15	10:09 AM	28.50	72	0	--	--	--	0
Decamara Logging	GMSG-539	10/31/05	4:03 PM	28.70	51	0	--	--	--	0
Decamara Logging	GMSG-539	11/08/05	9:00 AM	28.90	36	0	--	--	--	0
Decamara Logging	GMSG-539	11/14/05	2:04 PM	29.02	39	0	--	--	--	0
Decamara Logging	GMSG-539	11/23/05	10:45 AM	28.00	26	0.02	--	--	--	0
Decamara Logging	GMSG-539	12/07/05	2:34 PM	29.28	23	0	--	--	--	0
Decamara Logging	GMSG-539	02/17/06	12:10 PM	29.09	12	0	--	--	--	0
Decamara Logging	GMSG-539	03/10/06	10:30 AM	28.51	39	0	--	--	--	0
Decamara Logging	GMSG-539	04/11/06	8:28 AM	28.69	53	0	--	--	--	0
Decamara Logging	GMSG-539	07/11/06	1:05 PM	28.79	73	0	--	--	--	0
Decamara Logging	GMSG-539	10/10/06	3:44 PM	28.71	51	0	--	--	--	0
Decamara Logging	GMSG-539	02/06/07	2:52 PM	28.81	8	0	--	--	--	0
Decamara Logging	GMSG-539	04/04/07	9:53 AM	28.61	20	T	--	--	--	0
Decamara Logging	GMSG-539	07/19/07	11:18 AM	29.99	67	0	--	--	--	0
Decamara Logging	GMSG-539	11/01/07	3:10 PM	30.14	48	0	--	--	--	0
Decamara Logging	GMSG-539	01/14/08	2:57 PM	29.94	25	0	--	--	--	0
Decamara Logging	GMSG-539	04/15/08	1:05 PM	29.90	54	0	--	--	--	0
Decamara Logging	GMSG-539	07/14/08	1:36 PM	29.89	76	0	--	--	--	0
Decamara Logging	GMSG-539	10/16/08	2:38 PM	30.25	54	0	--	--	--	0
Decamara Logging	GMSG-539	01/22/09	10:07 AM	28.56	21	0	--	--	--	0
Decamara Logging	GMSG-539	04/20/09	11:54 AM	28.31	34	0.02	--	--	--	0
Decamara Logging	GMSG-539	07/27/09	3:39 PM	28.48	78	0	--	--	--	0
Decamara Logging	GMSG-539	10/22/09	1:17 PM	28.86	41	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Decamara Logging	GMSG-539	04/22/10	10:34 AM	28.63	48	0	--	--	--	0
Decamara Logging	GMSG-539	11/05/10	2:48 PM	28.75	35	0	--	--	--	0
Decamara Logging	GMSG-539	07/08/11	6:08 PM	28.65	76	0	--	--	--	0
Decamara Logging	GMSG-539	10/24/12	2:38 PM	28.57	60	0	--	--	--	0
Decamara Logging	GMSG-539	11/08/13	11:25 AM	28.89	39	0	--	--	--	0
Decamara Logging	GMSG-539	08/23/14	2:01 PM	28.80	67	0.13	--	--	--	0
Decamara Logging	GMSG-539	08/03/15	10:08 AM	28.50	72	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	10/14/03	5:16 PM	28.52	49	0	0	0.6	19	0
Deft's Tattoo Studio	GMSG-406	10/29/03	2:20 PM	28.48	43	0	0	0.5	18.7	0
Deft's Tattoo Studio	GMSG-406	11/11/03	2:48 PM	28.48	48	0	0	0	19.6	0
Deft's Tattoo Studio	GMSG-406	12/18/03	2:09 PM	28.51	25	0	0	0.4	18.7	0
Deft's Tattoo Studio	GMSG-406	01/29/04	3:15 PM	28.76	6	0	0	0.3	19.1	0
Deft's Tattoo Studio	GMSG-406	04/19/04	8:41 AM	28.59	41	0	0	0.4	17.2	0
Deft's Tattoo Studio	GMSG-406	07/14/04	2:33 PM	28.67	78	0	0	0.8	18.8	0
Deft's Tattoo Studio	GMSG-406	10/30/04	9:29 AM	27.94	55	0	0	0.5	19.1	0
Deft's Tattoo Studio	GMSG-406	02/08/05	9:00 AM	28.99	15	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	04/04/05	2:45 PM	28.72	56	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	07/05/05	1:23 PM	28.88	66	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	10/11/05	4:10 PM	28.99	56	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	02/27/06	1:41 PM	28.83	22	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	04/06/06	2:58 PM	28.50	57	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	07/13/06	11:10 AM	28.78	89	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	10/11/06	11:19 AM	28.06	42	0.03	--	--	--	0
Deft's Tattoo Studio	GMSG-406	01/31/07	3:50 PM	28.46	19	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	04/05/07	3:18 PM	28.87	25	T	--	--	--	0
Deft's Tattoo Studio	GMSG-406	07/19/07	2:08 PM	30.03	66	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	10/17/07	2:46 PM	29.86	60	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	01/16/08	9:52 AM	29.97	22	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	04/14/08	11:25 AM	30.26	42	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	07/09/08	10:12 AM	29.89	69	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	10/21/08	3:51 PM	30.40	43	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	01/05/09	1:11 PM	28.59	11	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	04/02/09	2:09 PM	28.42	43	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	07/31/09	8:16 AM	28.64	60	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	10/23/09	12:09 PM	28.38	35	0.1	--	--	--	0
Deft's Tattoo Studio	GMSG-406	11/03/10	12:47 PM	28.48	55	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Deft's Tattoo Studio	GMSG-406	11/09/12	9:40 AM	28.86	43	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	11/08/13	2:27 PM	28.81	41	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	08/22/14	12:50 PM	28.72	71	0	--	--	--	0
Deft's Tattoo Studio	GMSG-406	08/04/15	1:09 PM	28.66	72	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	08/04/06	2:22 PM	28.90	82	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	08/11/06	11:11 AM	28.97	68	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	08/18/06	9:55 AM	28.88	74	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	09/19/06	9:59 AM	28.50	50	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	10/11/06	11:22 AM	28.06	42	0.03	--	--	--	0
Deft's Tattoo Studio	GMSG-620	11/15/06	1:45 PM	28.72	43	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	02/01/07	9:40 AM	28.40	11	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	04/05/07	3:15 PM	28.87	25	T	--	--	--	0
Deft's Tattoo Studio	GMSG-620	07/19/07	2:15 PM	30.03	66	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	10/17/07	3:00 PM	29.86	60	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	01/16/08	10:09 AM	29.97	22	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	04/14/08	11:27 AM	30.26	42	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	07/09/08	10:18 AM	29.89	69	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	10/21/08	3:46 PM	30.40	43	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	01/05/09	1:18 PM	28.59	11	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	04/02/09	2:04 PM	28.42	43	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	07/31/09	8:05 AM	28.64	60	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	10/23/09	12:07 PM	28.38	35	0.1	--	--	--	0
Deft's Tattoo Studio	GMSG-620	04/19/10	3:02 PM	28.88	64	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	11/03/10	12:43 PM	28.48	55	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	07/08/11	1:25 PM	28.63	82	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	10/22/12	2:53 PM	28.72	63	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	11/05/13	3:15 PM	28.87	50	0	--	--	--	0
Deft's Tattoo Studio	GMSG-620	08/11/14	3:35 PM	28.65	67	T	--	--	--	0
Deft's Tattoo Studio	GMSG-620	08/04/15	1:19 PM	28.66	72	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	08/04/06	2:26 PM	28.90	82	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	08/11/06	11:08 AM	28.97	68	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	08/18/06	9:50 AM	28.88	74	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	09/19/06	9:57 AM	28.50	50	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	10/10/06	4:15 PM	28.71	51	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	11/15/06	1:42 PM	28.72	43	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	02/01/07	10:05 AM	28.40	11	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Deft's Tattoo Studio	GMSG-621	04/05/07	3:12 PM	28.87	25	T	--	--	--	0
Deft's Tattoo Studio	GMSG-621	07/19/07	2:12 PM	30.03	66	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	10/17/07	2:56 PM	29.86	60	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	01/16/08	10:04 AM	29.97	22	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	04/14/08	2:24 PM	30.22	47	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	07/09/08	10:16 AM	29.89	69	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	10/21/08	3:48 PM	30.40	43	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	01/05/09	1:25 PM	28.59	11	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	04/02/09	2:05 PM	28.42	43	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	07/31/09	8:09 AM	28.64	60	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	10/23/09	12:05 PM	28.38	35	0.1	--	--	--	0
Deft's Tattoo Studio	GMSG-621	04/19/10	3:03 PM	28.88	64	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	11/03/10	12:45 PM	28.48	55	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	07/08/11	1:28 PM	28.63	82	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	10/22/12	2:51 PM	28.72	63	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	11/05/13	3:16 PM	28.87	50	0	--	--	--	0
Deft's Tattoo Studio	GMSG-621	08/11/14	3:40 PM	28.65	67	T	--	--	--	0
Deft's Tattoo Studio	GMSG-621	08/04/15	1:15 PM	28.66	72	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	08/04/06	2:29 PM	28.90	82	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	08/11/06	11:06 AM	28.97	68	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	08/18/06	9:47 AM	28.88	74	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	09/19/06	9:55 AM	28.50	50	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	10/10/06	4:11 PM	28.71	51	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	11/15/06	1:41 PM	28.72	43	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	02/01/07	10:00 AM	28.40	11	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	04/05/07	3:09 PM	28.87	25	T	--	--	--	0
Deft's Tattoo Studio	GMSG-622	07/19/07	2:10 PM	30.03	66	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	10/17/07	2:52 PM	29.86	60	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	01/16/08	9:55 AM	29.97	22	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	04/14/08	2:26 PM	30.22	47	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	07/09/08	10:14 AM	29.89	69	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	10/21/08	3:50 PM	30.40	43	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	01/05/09	1:33 PM	28.59	11	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	04/02/09	2:07 PM	28.42	43	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	07/31/09	8:12 AM	28.64	60	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	10/23/09	12:03 PM	28.38	35	0.1	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Deft's Tattoo Studio	GMSG-622	04/19/10	3:04 PM	28.88	64	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	11/03/10	12:42 PM	28.48	55	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	07/08/11	1:30 PM	28.63	82	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	10/22/12	2:49 PM	28.72	63	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	11/05/13	3:13 PM	28.87	50	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	08/22/14	12:46 PM	28.72	71	0	--	--	--	0
Deft's Tattoo Studio	GMSG-622	08/04/15	1:12 PM	28.66	72	0	--	--	--	0
Delta-Do-It	GMSG-34	05/06/01	3:10 PM	28.89	63	0	1.5	12.6	0	--
Delta-Do-It	GMSG-34	05/07/01	4:13 PM	28.74	60	0	0.6	11	1.4	--
Delta-Do-It	GMSG-34	05/08/01	3:02 PM	28.67	69	0	1.1	12.3	0	--
Delta-Do-It	GMSG-34	05/09/01	11:15 AM	28.81	69	0	0.6	12.6	0	--
Delta-Do-It	GMSG-34	05/20/01	8:20 AM	28.67	66	0	1.5	12.6	0	--
Delta-Do-It	GMSG-34	07/10/01	1:34 PM	28.68	76	0	3.4	13.7	0	--
Delta-Do-It	GMSG-34	07/10/01	6:00 PM	28.72	70	0	0	0	20.8	--
Delta-Do-It	GMSG-34	07/11/01	5:00 PM	28.78	74	0	0	4.5	12.3	--
Delta-Do-It	GMSG-34	07/12/01	8:44 AM	28.90	69	0	0	3.6	13.3	--
Delta-Do-It	GMSG-34	07/12/01	5:26 PM	28.87	77	0	0	0	20.4	--
Delta-Do-It	GMSG-34	07/13/01	1:18 PM	28.90	82	0	0	0	21.3	--
Delta-Do-It	GMSG-34	07/16/01	9:45 AM	28.77	71	0	0	1	18.7	--
Delta-Do-It	GMSG-34	07/17/01	10:56 AM	28.76	75	0	0	0.6	18.9	--
Delta-Do-It	GMSG-34	07/18/01	8:01 AM	28.78	67	0	0	0.6	19.1	--
Delta-Do-It	GMSG-34	07/19/01	1:17 PM	28.80	84	0	0	0	20.7	--
Delta-Do-It	GMSG-34	07/20/01	2:17 PM	28.77	78	0	0	0	20.6	--
Delta-Do-It	GMSG-34	07/24/01	9:25 AM	28.67	73	0	0	0.4	19.4	--
Delta-Do-It	GMSG-34	07/26/01	7:45 AM	29.06	61	0	0	0.4	19.4	--
Delta-Do-It	GMSG-34	08/02/01	4:56 PM	28.92	84	0	0	0	20	--
Delta-Do-It	GMSG-34	08/09/01	8:06 AM	28.54	79	0	0	0	20	--
Delta-Do-It	GMSG-34	08/16/01	3:15 PM	28.55	71	0	0	1.9	16.1	--
Delta-Do-It	GMSG-34	08/20/01	3:55 PM	28.81	78	0	0	2.6	15.3	--
Delta-Do-It	GMSG-34	08/21/01	9:05 AM	28.82	72	0	0	2.8	14.7	--
Delta-Do-It	GMSG-34	09/10/01	12:45 PM	28.77	65	0.05	0	4.8	10.6	--
Delta-Do-It	GMSG-34	09/11/01	8:40 AM	29.05	61	0	0	5.6	6.9	--
Delta-Do-It	GMSG-34	09/24/01	4:30 PM	29.08	47	0	0	6.6	8.3	--
Delta-Do-It	GMSG-34	10/21/01	10:17 AM	28.82	46	0	0	8.1	4.3	--
Delta-Do-It	GMSG-34	11/13/01	9:28 AM	28.81	41	0.01	0	9.5	1.4	--
Delta-Do-It	GMSG-34	03/15/02	12:15 PM	28.62	30	0	0	10.9	1.6	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Delta-Do-It	GMSG-34	03/25/02	3:30 PM	29.17	30	0	0	10.5	3	--
Delta-Do-It	GMSG-34	04/16/02	12:02 PM	28.52	85	0	0	12.9	0.2	0
Delta-Do-It	GMSG-34	05/16/02	1:04 PM	28.74	49	0	0	12.8	0	--
Delta-Do-It	GMSG-34	06/10/02	9:20 AM	28.70	73	0	0	13.3	0	--
Delta-Do-It	GMSG-34	06/20/02	1:45 PM	28.97	81	0	0	13.6	0	--
Delta-Do-It	GMSG-34	06/24/02	1:40 PM	28.79	84	0	0.3	13.6	0	--
Delta-Do-It	GMSG-34	07/14/02	10:34 AM	28.78	84	0	0.6	13.5	0.3	31
Delta-Do-It	GMSG-34	07/22/02	9:19 AM	28.65	78	0	0	0	21	0
Delta-Do-It	GMSG-34	08/12/02	7:50 AM	28.69	70	0	0	0	21	0
Delta-Do-It	GMSG-34	10/18/02	1:13 PM	28.46	33	0.04	0	0	20	0
Delta-Do-It	GMSG-34	12/17/02	11:30 AM	28.88	31	0	0	0.2	20.3	0
Delta-Do-It	GMSG-34	01/30/03	10:34 AM	28.75	26	0	0	1.8	15.1	0
Delta-Do-It	GMSG-34	02/06/03	12:28 PM	28.91	17	0	0	1.8	15.4	0
Delta-Do-It	GMSG-34	03/04/03	1:13 PM	28.63	14	T	0	2.5	13.6	0
Delta-Do-It	GMSG-34	04/03/03	10:42 AM	28.86	25	T	0	3.4	12	0
Delta-Do-It	GMSG-34	05/01/03	12:14 PM	28.68	64	0	0.2	4.1	10.4	0
Delta-Do-It	GMSG-34	07/21/03	12:34 PM	28.59	66	0.01	0	7.8	6.4	0
Delta-Do-It	GMSG-34	10/28/03	10:42 AM	28.11	42	T	0	11	0.1	3
Delta-Do-It	GMSG-34	10/30/03	1:17 PM	28.61	43	T	--	--	--	--
Delta-Do-It	GMSG-34	11/12/03	9:18 AM	28.37	37	0	--	--	--	--
Delta-Do-It	GMSG-34	11/24/03	1:57 PM	28.33	17	T	0	10.5	1.9	--
Delta-Do-It	GMSG-34	12/03/03	11:14 AM	29.24	31	0	0	8.9	5.6	--
Delta-Do-It	GMSG-34	12/08/03	11:01 AM	28.66	37	0	0	9.9	2.2	--
Delta-Do-It	GMSG-34	12/15/03	1:36 PM	28.50	25	0	0	10.1	2.4	--
Delta-Do-It	GMSG-34	12/22/03	9:35 AM	28.58	33	0	0	9.8	3.5	--
Delta-Do-It	GMSG-34	12/30/03	12:21 PM	28.72	28	0	0	10.1	4.7	--
Delta-Do-It	GMSG-34	01/08/04	12:07 PM	29.05	17	0	0	8.7	5.6	--
Delta-Do-It	GMSG-34	01/12/04	12:05 PM	28.70	28	T	0	9.6	4.3	--
Delta-Do-It	GMSG-34	01/22/04	11:40 AM	28.79	-4	0	0	9.6	6.3	--
Delta-Do-It	GMSG-34	02/27/04	9:51 AM	29.17	22	0	0	9.3	3.6	--
Delta-Do-It	GMSG-34	03/19/04	9:44 AM	28.95	31	0	0.1	10.9	1.6	--
Delta-Do-It	GMSG-34	03/29/04	3:43 PM	--	--	--	0	10.3	1.1	--
Delta-Do-It	GMSG-34	04/09/04	9:32 AM	28.80	39	0	0	10.7	2.7	--
Delta-Do-It	GMSG-34	04/19/04	2:45 PM	28.85	-	0	0	10.8	1.3	--
Delta-Do-It	GMSG-34	04/22/04	10:23 AM	29.00	41	0	0	10.3	4.1	--
Delta-Do-It	GMSG-34	04/23/04	8:31 AM	28.94	38	0	0	10.6	3.1	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Delta-Do-It	GMSG-34	04/28/04	2:49 PM	28.28	73	0	0	10.9	0.5	--
Delta-Do-It	GMSG-34	05/05/04	10:01 AM	28.75	48	0	0	11.8	1.7	--
Delta-Do-It	GMSG-34	05/24/04	9:26 AM	28.69	43	0	0	11.8	0.8	--
Delta-Do-It	GMSG-34	06/02/04	2:05 PM	28.80	66	0	0	11.2	1.9	--
Delta-Do-It	GMSG-34	06/08/04	4:24 PM	28.69	84	0	0	0.1	19.4	--
Delta-Do-It	GMSG-34	06/16/04	9:42 AM	28.80	77	0	0	9.5	4.7	--
Delta-Do-It	GMSG-34	06/17/04	2:37 PM	28.80	75	0	0	11	1.4	--
Delta-Do-It	GMSG-34	06/18/04	10:19 AM	28.83	74	0	0.2	11.7	0.4	--
Delta-Do-It	GMSG-34	06/19/04	9:40 AM	29.05	62	0	0	11.8	1.2	--
Delta-Do-It	GMSG-34	06/20/04	9:25 AM	28.77	66	0	0	12	0.6	--
Delta-Do-It	GMSG-34	06/21/04	5:51 PM	28.41	59	0.03	0	11.6	0.9	--
Delta-Do-It	GMSG-34	06/22/04	2:24 PM	28.61	66	0	0	11.9	0.6	--
Delta-Do-It	GMSG-34	06/23/04	8:29 AM	28.68	56	0	0	12.2	0.6	--
Delta-Do-It	GMSG-34	06/24/04	2:25 PM	28.76	54	0.01	0	11.8	0.5	--
Delta-Do-It	GMSG-34	06/25/04	4:49 PM	28.76	61	0	0	11.9	0.6	--
Delta-Do-It	GMSG-34	06/26/04	4:07 PM	28.80	66	0	0	11.9	6.8	--
Delta-Do-It	GMSG-34	06/28/04	3:42 PM	28.78	74	0	0	11.4	0.8	--
Delta-Do-It	GMSG-34	06/29/04	5:50 PM	28.83	67	0.01	0.2	4.8	18.4	--
Delta-Do-It	GMSG-34	06/30/04	7:48 AM	28.80	73	0	0	11.9	0.4	--
Delta-Do-It	GMSG-34	07/01/04	8:24 AM	28.91	62	0	0	11.8	0.8	--
Delta-Do-It	GMSG-34	07/02/04	1:46 PM	28.88	73	0	0	11.5	1	--
Delta-Do-It	GMSG-34	07/06/04	9:12 AM	28.68	51	0.1	0	12.4	0	--
Delta-Do-It	GMSG-34	07/07/04	11:56 AM	28.57	55	0	0.3	12.4	0	--
Delta-Do-It	GMSG-34	07/08/04	12:18 PM	28.72	61	0	0	12	0	--
Delta-Do-It	GMSG-34	07/09/04	8:37 AM	28.89	64	0	0	11.7	0.8	--
Delta-Do-It	GMSG-34	07/11/04	9:09 AM	28.82	67	0	0	13.3	0.1	--
Delta-Do-It	GMSG-34	07/12/04	4:58 PM	28.68	84	0	0	13	0.2	--
Delta-Do-It	GMSG-34	07/15/04	3:50 PM	28.63	80	0	1.2	11	0	--
Delta-Do-It	GMSG-34	07/16/04	12:45 PM	28.68	67	0.06	0	12.6	0	--
Delta-Do-It	GMSG-34	07/21/04	4:43 PM	28.46	82	0	0.2	12.2	0	--
Delta-Do-It	GMSG-34	07/26/04	10:54 AM	28.96	79	0	0	12	0	--
Delta-Do-It	GMSG-34	07/30/04	6:16 PM	28.59	72	0	0	12.4	0	--
Delta-Do-It	GMSG-34	08/04/04	3:08 PM	28.84	69	0	0	12.2	0.2	--
Delta-Do-It	GMSG-34	08/06/04	2:03 PM	28.91	77	0	0	11.7	0	--
Delta-Do-It	GMSG-34	08/10/04	3:57 PM	28.60	56	0	0.6	12.5	0	--
Delta-Do-It	GMSG-34	08/12/04	8:20 AM	28.80	56	0	0.5	12.7	0	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Delta-Do-It	GMSG-34	08/20/04	12:14 PM	28.76	61	0	0	12.6	0.5	--
Delta-Do-It	GMSG-34	08/27/04	11:11 AM	28.65	77	0	0	12.4	0.1	--
Delta-Do-It	GMSG-34	08/30/04	1:45 PM	28.77	72	0	0.2	12.2	0	--
Delta-Do-It	GMSG-34	09/09/04	12:44 PM	28.93	69	0	0.1	11.9	0.3	--
Delta-Do-It	GMSG-34	09/16/04	10:42 AM	28.70	63	0	0.3	12.7	0	--
Delta-Do-It	GMSG-34	09/29/04	12:12 PM	28.92	64	0	0	0	20.1	--
Delta-Do-It	GMSG-34	10/15/04	1:05 PM	28.14	44	T	0	0.1	19.7	--
Delta-Do-It	GMSG-34	03/10/05	11:11 AM	28.26	21	T	0	0.9	16.3	--
Delta-Do-It	GMSG-34	03/14/05	1:10 PM	28.78	31	0	0	1	16.4	--
Delta-Do-It	GMSG-34	03/21/05	1:27 PM	29.02	32	0	0	1	16.4	--
Delta-Do-It	GMSG-34	03/31/05	11:30 AM	28.33	40	T	0	1.2	15.2	--
Delta-Do-It	GMSG-34	04/04/05	3:35 PM	28.72	55	0	0	0.9	15.6	--
Delta-Do-It	GMSG-34	04/05/05	12:42 PM	28.56	71	0	0	0.9	15.2	--
Delta-Do-It	GMSG-34	05/09/05	9:36 AM	28.57	65	T	0	2	13.3	--
Delta-Do-It	GMSG-34	07/01/05	9:50 AM	28.64	56	0	0	4.9	9.4	--
Delta-Do-It	GMSG-34	08/02/05	2:45 PM	28.78	91	0	0	6	7.5	--
Delta-Do-It	GMSG-34	09/09/05	11:57 AM	28.90	75	0	0	7.3	5.8	--
Delta-Do-It	GMSG-34	10/17/05	4:25 PM	28.41	62	0	0	8.6	3.7	--
Delta-Do-It	GMSG-34	11/04/05	2:40 PM	28.52	46	0	0	3.7	13.1	--
Delta-Do-It	GMSG-34	12/05/05	3:00 PM	28.71	10	0	0	8.1	6.2	--
Delta-Do-It	GMSG-34	01/10/06	10:58 AM	28.93	20	0	0	8.5	4.6	--
Delta-Do-It	GMSG-34	02/13/06	11:28 AM	28.43	19	0	0	9.8	2.4	--
Delta-Do-It	GMSG-34	08/16/06	10:49 AM	28.99	78	0	0	0.5	17.8	--
Delta-Do-It	GMSG-34	09/18/06	10:43 AM	28.39	62	0	0	2.3	16.4	--
Delta-Do-It	GMSG-34	10/05/06	11:26 AM	29.19	53	0	0	2.3	16.4	--
Delta-Do-It	GMSG-34	11/06/06	2:07 PM	28.78	52	0	0	4.1	13.9	--
Delta-Do-It	GMSG-34	12/18/06	2:32 PM	29.08	32	0	0	2.3	15.5	--
Delta-Do-It	GMSG-34	01/18/07	11:33 AM	28.70	20	0	0	4.2	10	--
Delta-Do-It	GMSG-34	02/06/07	3:12 PM	28.81	8	0	0	4.5	11.4	--
Delta-Do-It	GMSG-34	03/09/07	11:15 AM	28.61	36	0	0	8.5	2.6	--
Delta-Do-It	GMSG-34	04/16/07	11:44 AM	28.82	58	0	0	5.5	8.7	--
Delta-Do-It	GMSG-34	05/25/07	11:40 AM	29.01	65	0	0	5.6	9.9	--
Delta-Do-It	GMSG-34	06/15/07	10:09 AM	28.83	86	0	0	6.8	6.3	--
Delta-Do-It	GMSG-34	07/11/07	11:15 AM	29.88	69	0	0	7.3	6.6	--
Delta-Do-It	GMSG-34	08/29/07	10:56 AM	30.14	71	0	0	7.2	6.7	--
Delta-Do-It	GMSG-34	09/19/07	11:42 AM	30.06	70	0	0	7.7	5.9	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Delta-Do-It	GMSG-34	10/15/07	3:24 PM	30.12	49	0	0	9.2	3.2	--
Delta-Do-It	GMSG-34	10/16/07	8:37 AM	29.92	51	0.01	0	9.2	2.8	--
Delta-Do-It	GMSG-34	10/17/07	2:31 PM	29.86	60	0	0	9.4	2.3	--
Delta-Do-It	GMSG-34	10/18/07	12:07 PM	29.22	65	0	0	10	0.7	--
Delta-Do-It	GMSG-34	10/22/07	8:45 AM	30.04	47	0	0	8.7	5.1	--
Delta-Do-It	GMSG-34	11/20/07	2:44 PM	30.02	38	0	0	9.1	3.2	--
Delta-Do-It	GMSG-34	12/26/07	11:49 AM	29.94	29	0	0	9.1	3.7	--
Delta-Do-It	GMSG-34	07/23/08	2:21 PM	30.15	80	0	0	1.9	15.8	--
Delta-Do-It	GMSG-34	08/28/08	3:25 PM	29.77	72	T	0	3	3	--
Delta-Do-It	GMSG-34	09/17/08	11:20 AM	30.21	68	0	0	3.8	11.4	--
Delta-Do-It	GMSG-34	10/23/08	1:39 PM	30.34	51	T	0	5	9.3	--
Delta-Do-It	GMSG-34	11/24/08	2:32 PM	29.78	33	0	0	6.4	6.1	--
Delta-Do-It	GMSG-34	12/11/08	1:51 PM	29.85	19	0	0	5.7	8.3	--
Delta-Do-It	GMSG-34	01/19/09	2:05 PM	28.52	17	T	0	7.1	6.3	--
Delta-Do-It	GMSG-34	02/19/09	10:03 AM	28.64	7	0	0	7.3	5.9	--
Delta-Do-It	GMSG-34	03/19/09	1:36 PM	29.11	23	0	0	7.6	5.3	--
Delta-Do-It	GMSG-34	04/14/09	12:16 PM	28.78	51	0	0	7.5	5.6	--
Delta-Do-It	GMSG-34	05/18/09	11:36 AM	28.81	64	0	0	7.9	5.5	--
Delta-Do-It	GMSG-34	06/15/09	10:19 AM	28.82	69	0	0	8.5	5.2	--
Delta-Do-It	GMSG-34	07/14/09	1:21 PM	28.81	75	0	0	8.7	4.6	--
Delta-Do-It	GMSG-34	01/07/10	2:29 PM	28.73	26	0	0	0.4	17.4	--
Delta-Do-It	GMSG-34	02/16/10	11:40 AM	28.54	27	0	0	1.4	15.8	--
Delta-Do-It	GMSG-34	03/24/10	2:17 PM	28.69	57	0	0	1	17.4	--
Delta-Do-It	GMSG-34	04/05/10	10:33 AM	28.61	60	0	0	2.6	10.5	--
Delta-Do-It	GMSG-34	05/12/10	1:29 PM	28.92	60	0	0	3.3	11.6	--
Delta-Do-It	GMSG-34	06/24/10	11:23 AM	28.80	70	0	0	4.7	9.2	--
Delta-Do-It	GMSG-34	07/20/10	11:40 AM	28.68	75	0	0	5.6	8	--
Delta-Do-It	GMSG-34	08/05/10	3:03 PM	28.52	76	0	0	6.4	6.1	--
Delta-Do-It	GMSG-34	09/21/10	9:25 AM	28.43	69	T	0	7.9	3.6	--
Delta-Do-It	GMSG-34	10/19/10	10:41 AM	28.60	52	0	0	0	18.9	--
Delta-Do-It	GMSG-34	02/28/11	10:18 AM	28.72	21	0	0	0.7	18.4	--
Delta-Do-It	GMSG-34	03/16/11	10:52 AM	28.66	50	0	0	1.1	16.8	--
Delta-Do-It	GMSG-34	04/19/11	11:45 AM	28.79	36	0	0	1.5	15.9	--
Delta-Do-It	GMSG-34	05/09/11	12:55 PM	28.76	60	0	0	2.1	14.5	--
Delta-Do-It	GMSG-34	06/08/11	2:50 PM	28.38	93	0	0	3	12.7	--
Delta-Do-It	GMSG-34	07/10/11	3:42 PM	28.58	88	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Delta-Do-It	GMSG-34	07/12/11	3:40 PM	28.74	72	0	0.1	4	10.9	--
Delta-Do-It	GMSG-34	08/18/11	10:52 AM	28.68	81	0	0.1	5.1	9.5	--
Delta-Do-It	GMSG-34	09/08/11	2:08 PM	28.89	81	0	0	4.8	9.7	--
Delta-Do-It	GMSG-34	10/28/11	11:15 AM	28.78	46	0	0	5.8	11.1	--
Delta-Do-It	GMSG-34	11/18/11	11:20 AM	28.51	35	0	0	6.4	8.6	--
Delta-Do-It	GMSG-34	12/19/11	3:04 PM	28.79	30	0	0	6.8	8.7	--
Delta-Do-It	GMSG-34	01/16/12	2:24 PM	28.46	32	0	0	7.3	6.9	--
Delta-Do-It	GMSG-34	02/20/12	2:19 PM	28.83	37	0	0	6.9	8	--
Delta-Do-It	GMSG-34	03/14/12	2:04 PM	28.53	67	0	0	7.5	5.3	--
Delta-Do-It	GMSG-34	08/29/12	10:15 AM	28.81	77	0	0	9.9	3.6	--
Delta-Do-It	GMSG-34	11/02/12	2:20 PM	28.83	37	0	--	--	--	0
Delta-Do-It	GMSG-34	08/21/14	1:39 PM	28.69	69	0	--	--	--	0
Delta-Do-It	GMSG-34	08/24/15	11:24 AM	28.48	56		--	--	--	0
Dickinson Homes	GMSG-39	08/01/01	11:31 AM	28.89	74	T	0	0.1	19.9	--
Dickinson Homes	GMSG-39	08/09/01	1:25 PM	28.55	81	0	0	0.2	20.2	--
Dickinson Homes	GMSG-39	09/11/01	1:48 PM	28.98	61	0.01	0	0.1	20	--
Dickinson Homes	GMSG-39	09/25/01	11:51 AM	28.96	56	0	0	0	20.6	--
Dickinson Homes	GMSG-39	10/21/01	10:24 AM	28.82	46	0	0	0	20.4	--
Dickinson Homes	GMSG-39	11/13/01	9:42 AM	28.80	42	0.01	0	0	20.5	--
Dickinson Homes	GMSG-39	02/14/02	4:10 PM	28.45	43	0	0	0	20.5	--
Dickinson Homes	GMSG-39	06/26/02	2:22 PM	28.54	82	0	0	0.2	20.8	--
Dickinson Homes	GMSG-39	09/30/02	10:20 AM	28.60	68	0	0	0	20.8	0
Dickinson Homes	GMSG-39	11/21/02	10:35 AM	28.67	34	0	0	0	20.3	0
Dickinson Homes	GMSG-39	01/29/03	10:12 AM	29.12	7	T	0	0	20.7	0
Dickinson Homes	GMSG-39	04/21/03	12:03 PM	28.51	40	0	0	0	20	0
Dickinson Homes	GMSG-39	07/22/03	8:54 AM	28.81	62	0	0	0	19.7	0
Dickinson Homes	GMSG-39	02/02/04	11:37 AM	28.92	27	T	0	0	19.2	0
Dickinson Homes	GMSG-39	04/17/04	5:02 PM	28.91	64	0	0	0	18.2	0
Dickinson Homes	GMSG-39	07/15/04	9:15 AM	28.68	75	0	0	0	19.4	0
Dickinson Homes	GMSG-39	10/31/04	11:52 AM	--	--	--	0	0	20.2	0
Dickinson Homes	GMSG-39	02/08/05	12:49 PM	28.98	21	0	--	--	--	0
Dickinson Homes	GMSG-39	04/05/05	12:09 PM	28.57	69	0	--	--	--	0
Dickinson Homes	GMSG-39	07/06/05	7:43 AM	28.95	62	0	--	--	--	0
Dickinson Homes	GMSG-39	10/13/05	11:09 AM	28.83	59	0	--	--	--	0
Dickinson Homes	GMSG-39	02/24/06	1:49 PM	28.88	20	T	--	--	--	0
Dickinson Homes	GMSG-39	04/11/06	10:11 AM	28.68	62	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-39	07/11/06	2:40 PM	28.78	75	0	--	--	--	0
Dickinson Homes	GMSG-39	10/10/06	1:10 PM	28.80	52	0	--	--	--	0
Dickinson Homes	GMSG-39	02/05/07	3:29 PM	29.07	5	0	--	--	--	0
Dickinson Homes	GMSG-39	04/03/07	2:53 PM	28.54	37	0	--	--	--	0
Dickinson Homes	GMSG-39	07/19/07	10:23 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-39	10/23/07	2:22 PM	29.73	53	0	--	--	--	0
Dickinson Homes	GMSG-39	01/14/08	2:51 PM	29.94	25	0	--	--	--	0
Dickinson Homes	GMSG-39	04/15/08	11:12 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-39	07/15/08	2:40 PM	29.92	80	0	--	--	--	0
Dickinson Homes	GMSG-39	10/17/08	1:57 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-39	01/07/09	2:40 PM	27.99	23	T	--	--	--	0
Dickinson Homes	GMSG-39	04/03/09	11:14 AM	28.40	40	0	--	--	--	0
Dickinson Homes	GMSG-39	07/27/09	2:03 PM	28.49	81	0	--	--	--	0
Dickinson Homes	GMSG-39	10/22/09	11:21 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-39	04/20/10	3:12 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-39	11/08/10	12:55 PM	28.66	54	0	--	--	--	0
Dickinson Homes	GMSG-39	07/08/11	4:20 PM	28.64	80	0	--	--	--	0
Dickinson Homes	GMSG-39	10/24/12	3:36 PM	28.56	61	0	--	--	--	0
Dickinson Homes	GMSG-39	10/24/12	3:40 PM	28.56	61	0	--	--	--	0
Dickinson Homes	GMSG-39	11/07/13	3:42 PM	28.81	33	T	--	--	--	0
Dickinson Homes	GMSG-39	11/11/13	3:30 PM	29.01	24	T	--	--	--	0
Dickinson Homes	GMSG-39	08/23/14	12:47 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-39	08/04/15	10:40 AM	28.67	69	0	--	--	--	0
Dickinson Homes	GMSG-40	08/01/01	11:38 AM	28.89	74	T	0	0.1	20	--
Dickinson Homes	GMSG-40	08/09/01	3:15 PM	28.57	83	0	0	0	20.6	--
Dickinson Homes	GMSG-40	09/11/01	1:45 PM	28.98	61	0.01	0	0	19.9	--
Dickinson Homes	GMSG-40	09/25/01	1:41 PM	28.90	57	0	0	0	20.6	--
Dickinson Homes	GMSG-40	10/21/01	10:29 AM	28.82	46	0	0	0	20.5	--
Dickinson Homes	GMSG-40	11/13/01	9:52 AM	28.80	42	0.01	0	0	20.4	--
Dickinson Homes	GMSG-40	02/14/02	4:02 PM	28.45	43	0	0	0	20.6	--
Dickinson Homes	GMSG-40	06/26/02	2:28 PM	28.54	82	0	0	0.3	20.2	--
Dickinson Homes	GMSG-40	09/30/02	10:27 AM	28.60	68	0	0	0.5	19.2	0
Dickinson Homes	GMSG-40	11/21/02	10:51 AM	28.67	34	0	0	0	20.2	0
Dickinson Homes	GMSG-40	01/29/03	10:29 AM	29.12	7	T	0	0	20.9	0
Dickinson Homes	GMSG-40	04/21/03	11:15 AM	28.48	40	T	0	0.5	20.1	0
Dickinson Homes	GMSG-40	07/22/03	8:44 AM	28.81	62	0	0	0	19.8	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-40	04/17/04	5:10 PM	28.91	64	0	0	0.2	17.3	0
Dickinson Homes	GMSG-40	07/15/04	8:28 AM	28.70	70	0	0	1	17.5	0
Dickinson Homes	GMSG-40	10/31/04	12:25 PM	--	--	--	0	0.1	19.8	0
Dickinson Homes	GMSG-40	02/08/05	3:08 PM	28.96	21	0	--	--	--	0
Dickinson Homes	GMSG-40	04/05/05	12:02 PM	28.57	69	0	--	--	--	0
Dickinson Homes	GMSG-40	07/06/05	7:50 AM	28.95	62	0	--	--	--	0
Dickinson Homes	GMSG-40	10/13/05	11:01 AM	28.83	59	0	--	--	--	0
Dickinson Homes	GMSG-40	02/24/06	12:11 PM	28.97	20	0	--	--	--	0
Dickinson Homes	GMSG-40	04/11/06	9:44 AM	28.68	62	0	--	--	--	0
Dickinson Homes	GMSG-40	07/11/06	3:26 PM	28.78	75	0	--	--	--	0
Dickinson Homes	GMSG-40	10/10/06	12:54 PM	28.80	52	0	--	--	--	0
Dickinson Homes	GMSG-40	02/05/07	2:28 PM	29.07	4	0	--	--	--	0
Dickinson Homes	GMSG-40	04/03/07	2:28 PM	28.57	36	T	--	--	--	0
Dickinson Homes	GMSG-40	07/19/07	9:59 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-40	10/23/07	2:52 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-40	01/14/08	2:12 PM	29.92	25	0	--	--	--	0
Dickinson Homes	GMSG-40	04/15/08	10:53 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-40	07/15/08	2:59 PM	29.92	80	0	--	--	--	0
Dickinson Homes	GMSG-40	10/17/08	1:37 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-40	10/22/09	11:00 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-40	04/20/10	2:51 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-40	11/08/10	12:35 PM	28.66	54	0	--	--	--	0
Dickinson Homes	GMSG-40	11/08/13	1:40 PM	28.81	41	0	--	--	--	0
Dickinson Homes	GMSG-40R	07/11/13	8:15 AM	28.86	67	0	--	--	--	0
Dickinson Homes	GMSG-40R	07/26/13	1:18 PM	28.58	64	0.02	--	--	--	0
Dickinson Homes	GMSG-40R	08/01/13	1:01 PM	28.64	74	0	--	--	--	0
Dickinson Homes	GMSG-40R	09/30/13	3:37 PM	29.78	70	0	--	--	--	0
Dickinson Homes	GMSG-40R	08/23/14	1:04 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-40R	08/04/15	11:10 AM	28.67	69	0	--	--	--	0
Dickinson Homes	GMSG-41	08/01/01	11:45 AM	28.89	74	T	0	0	20.2	--
Dickinson Homes	GMSG-41	08/09/01	3:05 PM	28.57	83	0	0	0	20.6	--
Dickinson Homes	GMSG-41	09/11/01	1:15 PM	29.01	64	T	0	0	19.8	--
Dickinson Homes	GMSG-41	09/25/01	11:57 AM	28.96	56	0	0	0	20.4	--
Dickinson Homes	GMSG-41	10/21/01	10:34 AM	28.81	49	0	0	0	20.6	--
Dickinson Homes	GMSG-41	11/13/01	9:58 AM	28.80	42	0.01	0	0	20.4	--
Dickinson Homes	GMSG-41	02/14/02	1:54 PM	28.46	41	0	0	0	20.6	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-41	06/26/02	2:35 PM	28.55	77	0	0	0	21.1	--
Dickinson Homes	GMSG-41	09/30/02	10:46 AM	28.59	70	0	0	0	20.5	0
Dickinson Homes	GMSG-41	11/21/02	11:04 AM	28.67	34	0	0	0	20.3	0
Dickinson Homes	GMSG-41	01/29/03	10:44 AM	29.12	10	T	0	0	20.6	0
Dickinson Homes	GMSG-41	04/21/03	12:26 PM	28.51	40	0	0	0	20	0
Dickinson Homes	GMSG-41	07/22/03	9:08 AM	28.81	62	0	0	0	19.7	0
Dickinson Homes	GMSG-41	02/02/04	10:53 AM	28.94	26	0	0	0	19.1	0
Dickinson Homes	GMSG-41	04/17/04	5:16 PM	28.91	64	0	0	0	18.1	0
Dickinson Homes	GMSG-41	07/15/04	7:45 AM	28.70	70	0	0	0.1	19.3	0
Dickinson Homes	GMSG-41	02/08/05	1:25 PM	28.98	21	0	--	--	--	0
Dickinson Homes	GMSG-41	04/05/05	11:55 AM	28.57	69	0	--	--	--	0
Dickinson Homes	GMSG-41	07/06/05	8:17 AM	28.95	62	0	--	--	--	0
Dickinson Homes	GMSG-41	10/13/05	10:53 AM	28.83	59	0	--	--	--	0
Dickinson Homes	GMSG-41	03/06/06	10:25 AM	28.97	30	T	--	--	--	0
Dickinson Homes	GMSG-41	04/11/06	9:52 AM	28.68	62	0	--	--	--	0
Dickinson Homes	GMSG-41	07/11/06	3:15 PM	28.78	75	0	--	--	--	0
Dickinson Homes	GMSG-41	10/10/06	12:44 PM	28.80	52	0	--	--	--	0
Dickinson Homes	GMSG-41	02/05/07	2:06 PM	29.07	4	0	--	--	--	0
Dickinson Homes	GMSG-41	04/03/07	2:34 PM	28.54	37	0	--	--	--	0
Dickinson Homes	GMSG-41	07/19/07	10:05 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-41	10/23/07	3:00 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-41	01/14/08	2:22 PM	29.92	25	0	--	--	--	0
Dickinson Homes	GMSG-41	04/15/08	10:57 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-41	07/15/08	2:25 PM	29.92	82	0	--	--	--	0
Dickinson Homes	GMSG-41	10/17/08	1:42 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-41	01/07/09	2:10 PM	27.98	24	T	--	--	--	0
Dickinson Homes	GMSG-41	04/03/09	11:04 AM	28.40	40	0	--	--	--	0
Dickinson Homes	GMSG-41	07/27/09	1:42 PM	28.49	81	0	--	--	--	0
Dickinson Homes	GMSG-41	10/22/09	11:06 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-41	04/20/10	2:58 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-41	11/08/10	12:41 PM	28.66	54	0	--	--	--	0
Dickinson Homes	GMSG-41	07/08/11	2:52 PM	28.64	81	0	--	--	--	0
Dickinson Homes	GMSG-41	10/24/12	3:35 PM	28.56	61	0	--	--	--	0
Dickinson Homes	GMSG-41	11/08/13	10:13 AM	28.91	37	0	--	--	--	0
Dickinson Homes	GMSG-41	08/23/14	1:14 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-41	08/04/15	10:59 AM	28.67	69	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-518	11/08/05	9:36 AM	28.90	41	0	--	--	--	0
Dickinson Homes	GMSG-518	11/14/05	2:25 PM	29.02	39	0	--	--	--	0
Dickinson Homes	GMSG-518	11/23/05	1:25 PM	27.96	30	0	--	--	--	0
Dickinson Homes	GMSG-518	12/08/05	2:06 PM	29.06	24	0	--	--	--	0
Dickinson Homes	GMSG-518	02/24/06	11:36 AM	28.97	20	0	--	--	--	0
Dickinson Homes	GMSG-518	03/10/06	11:26 AM	28.51	39	0	--	--	--	0
Dickinson Homes	GMSG-518	04/11/06	9:34 AM	28.68	62	0	--	--	--	0
Dickinson Homes	GMSG-518	07/11/06	3:42 PM	28.78	77	0	--	--	--	0
Dickinson Homes	GMSG-518	10/10/06	1:03 PM	28.80	52	0	--	--	--	0
Dickinson Homes	GMSG-518	02/05/07	2:50 PM	29.07	5	0	--	--	--	0
Dickinson Homes	GMSG-518	04/03/07	2:21 PM	28.57	36	T	--	--	--	0
Dickinson Homes	GMSG-518	07/19/07	9:53 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-518	10/23/07	2:32 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-518	01/14/08	1:59 PM	29.92	25	0	--	--	--	0
Dickinson Homes	GMSG-518	04/15/08	10:48 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-518	07/15/08	2:18 PM	29.92	82	0	--	--	--	0
Dickinson Homes	GMSG-518	10/17/08	1:31 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-518	01/07/09	1:42 PM	27.98	24	T	--	--	--	0
Dickinson Homes	GMSG-518	04/03/09	11:00 AM	28.40	40	0	--	--	--	0
Dickinson Homes	GMSG-518	07/27/09	1:23 PM	28.51	80	0	--	--	--	0
Dickinson Homes	GMSG-518	10/22/09	10:57 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-518	04/20/10	2:46 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-518	11/08/10	12:31 PM	28.66	54	0	--	--	--	0
Dickinson Homes	GMSG-518	07/08/11	2:38 PM	28.64	81	0	--	--	--	0
Dickinson Homes	GMSG-518	07/10/11	5:50 PM	28.57	84	0	--	--	--	0
Dickinson Homes	GMSG-518	10/24/12	3:22 PM	28.57	60	0	--	--	--	0
Dickinson Homes	GMSG-518	11/08/13	1:50 PM	28.81	41	0	--	--	--	0
Dickinson Homes	GMSG-518	08/23/14	1:01 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-518	08/04/15	11:27 AM	28.67	69	0	--	--	--	0
Dickinson Homes	GMSG-519	11/08/05	9:45 AM	28.90	41	0	--	--	--	0
Dickinson Homes	GMSG-519	11/14/05	2:28 PM	29.02	39	0	--	--	--	0
Dickinson Homes	GMSG-519	11/23/05	1:30 PM	27.96	31	T	--	--	--	0
Dickinson Homes	GMSG-519	12/08/05	2:03 PM	29.06	24	0	--	--	--	0
Dickinson Homes	GMSG-519	02/24/06	11:44 AM	28.97	20	0	--	--	--	0
Dickinson Homes	GMSG-519	03/10/06	11:28 AM	28.51	39	0	--	--	--	0
Dickinson Homes	GMSG-519	04/11/06	9:39 AM	28.68	62	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-519	07/11/06	3:31 PM	28.78	77	0	--	--	--	0
Dickinson Homes	GMSG-519	10/10/06	12:58 PM	28.80	52	0	--	--	--	0
Dickinson Homes	GMSG-519	02/05/07	3:15 PM	29.07	5	0	--	--	--	0
Dickinson Homes	GMSG-519	04/03/07	2:18 PM	28.57	36	T	--	--	--	0
Dickinson Homes	GMSG-519	07/19/07	9:51 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-519	10/23/07	2:39 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-519	01/14/08	1:56 PM	29.92	25	0	--	--	--	0
Dickinson Homes	GMSG-519	04/15/08	10:46 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-519	07/15/08	2:16 PM	29.92	82	0	--	--	--	0
Dickinson Homes	GMSG-519	10/17/08	1:29 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-519	01/07/09	1:37 PM	27.98	24	T	--	--	--	0
Dickinson Homes	GMSG-519	04/03/09	10:59 AM	28.40	40	0	--	--	--	0
Dickinson Homes	GMSG-519	07/27/09	1:20 PM	28.51	80	0	--	--	--	0
Dickinson Homes	GMSG-519	10/22/09	10:55 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-519	04/20/10	2:44 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-519	11/08/10	12:30 PM	28.66	54	0	--	--	--	0
Dickinson Homes	GMSG-519	07/08/11	2:31 PM	28.64	81	0	--	--	--	0
Dickinson Homes	GMSG-519	07/10/11	5:48 PM	28.57	84	0	--	--	--	0
Dickinson Homes	GMSG-519	10/24/12	3:18 PM	28.57	60	0	--	--	--	0
Dickinson Homes	GMSG-519	11/08/13	10:28 AM	28.91	37	0	--	--	--	0
Dickinson Homes	GMSG-519	08/23/14	12:59 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-519	08/04/15	11:31 AM	28.67	69	T	--	--	--	0
Dickinson Homes	GMSG-520	11/08/05	9:50 AM	28.90	41	0	--	--	--	0
Dickinson Homes	GMSG-520	11/14/05	2:30 PM	29.00	38	0	--	--	--	0
Dickinson Homes	GMSG-520	11/23/05	1:33 PM	27.96	31	T	--	--	--	0
Dickinson Homes	GMSG-520	12/08/05	2:01 PM	29.06	24	0	--	--	--	0
Dickinson Homes	GMSG-520	02/24/06	11:39 AM	28.97	20	0	--	--	--	0
Dickinson Homes	GMSG-520	03/10/06	11:31 AM	28.50	40	0	--	--	--	0
Dickinson Homes	GMSG-520	04/11/06	9:41 AM	28.68	62	0	--	--	--	0
Dickinson Homes	GMSG-520	07/11/06	3:35 PM	28.78	77	0	--	--	--	0
Dickinson Homes	GMSG-520	10/16/06	12:53 PM	28.63	46	0.09	--	--	--	0
Dickinson Homes	GMSG-520	02/05/07	3:11 PM	29.07	5	0	--	--	--	0
Dickinson Homes	GMSG-520	04/03/07	2:16 PM	28.57	36	T	--	--	--	0
Dickinson Homes	GMSG-520	07/19/07	9:49 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-520	10/23/07	2:42 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-520	01/14/08	1:53 PM	29.92	25	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-520	04/15/08	10:44 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-520	07/15/08	2:14 PM	29.92	82	0	--	--	--	0
Dickinson Homes	GMSG-520	10/17/08	1:27 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-520	01/07/09	1:34 PM	27.98	24	T	--	--	--	0
Dickinson Homes	GMSG-520	04/03/09	10:58 AM	28.40	40	0	--	--	--	0
Dickinson Homes	GMSG-520	07/27/09	1:17 PM	28.51	80	0	--	--	--	0
Dickinson Homes	GMSG-520	10/22/09	10:53 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-520	04/20/10	2:42 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-520	11/08/10	12:28 PM	28.67	50	0	--	--	--	0
Dickinson Homes	GMSG-520	07/08/11	2:29 PM	28.63	82	0	--	--	--	0
Dickinson Homes	GMSG-520	10/24/12	3:20 PM	28.57	60	0	--	--	--	0
Dickinson Homes	GMSG-520	11/08/13	10:29 AM	28.91	37	0	--	--	--	0
Dickinson Homes	GMSG-520	08/23/14	12:56 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-520	08/04/15	11:34 AM	28.67	69	T	--	--	--	0
Dickinson Homes	GMSG-521	11/08/05	9:33 AM	28.90	41	0	--	--	--	0
Dickinson Homes	GMSG-521	11/14/05	2:33 PM	29.00	38	0	--	--	--	0
Dickinson Homes	GMSG-521	11/23/05	1:38 PM	27.96	31	T	--	--	--	0
Dickinson Homes	GMSG-521	12/08/05	1:58 PM	29.06	24	0	--	--	--	0
Dickinson Homes	GMSG-521	02/24/06	11:30 AM	28.97	20	0	--	--	--	0
Dickinson Homes	GMSG-521	03/10/06	11:24 AM	28.51	39	0	--	--	--	0
Dickinson Homes	GMSG-521	04/11/06	9:32 AM	28.68	62	0	--	--	--	0
Dickinson Homes	GMSG-521	07/11/06	3:39 PM	28.78	77	0	--	--	--	0
Dickinson Homes	GMSG-521	10/10/06	1:20 PM	28.80	52	0	--	--	--	0
Dickinson Homes	GMSG-521	02/05/07	2:59 PM	29.07	5	0	--	--	--	0
Dickinson Homes	GMSG-521	04/03/07	2:13 PM	28.57	36	T	--	--	--	0
Dickinson Homes	GMSG-521	07/19/07	9:46 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-521	10/23/07	2:47 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-521	01/14/08	1:51 PM	29.92	25	0	--	--	--	0
Dickinson Homes	GMSG-521	04/15/08	10:42 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-521	07/15/08	2:13 PM	29.92	82	0	--	--	--	0
Dickinson Homes	GMSG-521	10/17/08	1:25 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-521	01/07/09	1:27 PM	27.98	24	T	--	--	--	0
Dickinson Homes	GMSG-521	04/03/09	10:57 AM	28.40	40	0	--	--	--	0
Dickinson Homes	GMSG-521	07/27/09	1:15 PM	28.51	80	0	--	--	--	0
Dickinson Homes	GMSG-521	10/22/09	10:51 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-521	04/20/10	2:40 PM	28.60	72	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-521	11/08/10	12:26 PM	28.67	50	0	--	--	--	0
Dickinson Homes	GMSG-521	07/08/11	2:26 PM	28.63	82	0	--	--	--	0
Dickinson Homes	GMSG-521	10/24/12	3:24 PM	28.57	60	0	--	--	--	0
Dickinson Homes	GMSG-521	11/07/13	3:54 PM	28.81	33	T	--	--	--	0
Dickinson Homes	GMSG-521	11/08/13	10:31 AM	28.89	39	0	--	--	--	0
Dickinson Homes	GMSG-521	08/23/14	12:53 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-521	08/04/15	11:24 AM	28.67	69	0	--	--	--	0
Dickinson Homes	GMSG-522	11/08/05	9:30 AM	28.90	41	0	--	--	--	0
Dickinson Homes	GMSG-522	11/14/05	2:21 PM	29.02	39	0	--	--	--	0
Dickinson Homes	GMSG-522	12/01/05	1:10 PM	28.70	22	T	--	--	--	0
Dickinson Homes	GMSG-522	12/08/05	1:53 PM	29.06	24	0	--	--	--	0
Dickinson Homes	GMSG-522	02/24/06	11:24 AM	28.99	14	0	--	--	--	0
Dickinson Homes	GMSG-522	03/10/06	11:21 AM	28.51	39	0	--	--	--	0
Dickinson Homes	GMSG-522	04/11/06	9:29 AM	28.68	59	0	--	--	--	0
Dickinson Homes	GMSG-522	07/11/06	3:49 PM	28.78	77	0	--	--	--	0
Dickinson Homes	GMSG-522	07/17/06	10:01 AM	28.56	83	T	--	--	--	0
Dickinson Homes	GMSG-522	10/16/06	12:43 PM	28.63	46	0.09	--	--	--	0
Dickinson Homes	GMSG-522	02/05/07	3:23 PM	29.07	5	0	--	--	--	0
Dickinson Homes	GMSG-522	04/03/07	2:10 PM	28.57	36	T	--	--	--	0
Dickinson Homes	GMSG-522	07/19/07	9:43 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-522	10/23/07	2:28 PM	29.73	53	0	--	--	--	0
Dickinson Homes	GMSG-522	01/14/08	1:49 PM	29.92	25	0	--	--	--	0
Dickinson Homes	GMSG-522	04/15/08	10:39 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-522	07/15/08	2:11 PM	29.92	82	0	--	--	--	0
Dickinson Homes	GMSG-522	10/17/08	1:23 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-522	01/07/09	1:22 PM	27.98	24	T	--	--	--	0
Dickinson Homes	GMSG-522	04/03/09	10:55 AM	28.40	40	0	--	--	--	0
Dickinson Homes	GMSG-522	07/27/09	1:12 PM	28.51	80	0	--	--	--	0
Dickinson Homes	GMSG-522	10/22/09	10:49 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-522	04/20/10	2:49 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-522	11/08/10	12:24 PM	28.67	50	0	--	--	--	0
Dickinson Homes	GMSG-522	07/08/11	4:12 PM	28.64	80	0	--	--	--	0
Dickinson Homes	GMSG-522	10/24/12	3:15 PM	28.56	61	0	--	--	--	0
Dickinson Homes	GMSG-522	11/07/13	3:40 PM	28.81	33	T	--	--	--	0
Dickinson Homes	GMSG-522	08/23/14	12:50 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-522	08/04/15	11:18 AM	28.67	69	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-523	11/08/05	9:40 AM	28.90	41	0	--	--	--	0
Dickinson Homes	GMSG-523	11/14/05	2:36 PM	29.00	38	0	--	--	--	0
Dickinson Homes	GMSG-523	11/23/05	1:00 PM	27.96	30	0	--	--	--	0
Dickinson Homes	GMSG-523	12/08/05	2:09 PM	29.06	24	0	--	--	--	0
Dickinson Homes	GMSG-523	03/13/06	10:37 AM	28.06	32	0.11	--	--	--	0
Dickinson Homes	GMSG-523	04/11/06	9:37 AM	28.68	62	0	--	--	--	0
Dickinson Homes	GMSG-523	10/16/06	12:50 PM	28.63	46	0.09	--	--	--	0
Dickinson Homes	GMSG-523	02/06/07	8:20 AM	28.94	-10	0	--	--	--	0
Dickinson Homes	GMSG-523	04/03/07	2:25 PM	28.57	36	T	--	--	--	0
Dickinson Homes	GMSG-523	07/19/07	9:56 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-523	10/23/07	2:36 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-523	01/14/08	2:07 PM	29.92	25	0	--	--	--	0
Dickinson Homes	GMSG-523	04/15/08	10:50 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-523	07/15/08	3:03 PM	29.92	80	0	--	--	--	0
Dickinson Homes	GMSG-523	01/07/09	1:50 PM	27.98	24	T	--	--	--	0
Dickinson Homes	GMSG-523	07/27/09	1:30 PM	28.49	81	0	--	--	--	0
Dickinson Homes	GMSG-523	11/03/09	2:07 PM	28.95	41	0	--	--	--	0
Dickinson Homes	GMSG-523	04/20/10	2:39 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-523	11/08/10	12:33 PM	28.66	54	0	--	--	--	0
Dickinson Homes	GMSG-523	07/08/11	2:44 PM	28.64	81	0	--	--	--	0
Dickinson Homes	GMSG-523	10/24/12	3:28 PM	28.57	60	0	--	--	--	0
Dickinson Homes	GMSG-523	11/08/13	1:46 PM	28.81	41	0	--	--	--	0
Dickinson Homes	GMSG-523	08/23/14	1:07 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-523	08/04/15	11:14 AM	28.67	69	0	--	--	--	0
Dickinson Homes	GMSG-524	11/08/05	9:55 AM	28.90	41	0	--	--	--	0
Dickinson Homes	GMSG-524	11/14/05	2:41 PM	29.00	38	0	--	--	--	0
Dickinson Homes	GMSG-524	11/23/05	1:05 PM	27.96	30	0	--	--	--	0
Dickinson Homes	GMSG-524	12/08/05	2:13 PM	29.06	24	0	--	--	--	0
Dickinson Homes	GMSG-524	02/24/06	12:17 PM	28.97	20	0	--	--	--	0
Dickinson Homes	GMSG-524	03/10/06	11:35 AM	28.50	40	0	--	--	--	0
Dickinson Homes	GMSG-524	04/11/06	9:48 AM	28.68	62	0	--	--	--	0
Dickinson Homes	GMSG-524	07/11/06	3:20 PM	28.78	75	0	--	--	--	0
Dickinson Homes	GMSG-524	10/10/06	12:48 PM	28.80	52	0	--	--	--	0
Dickinson Homes	GMSG-524	02/05/07	2:16 PM	29.07	4	0	--	--	--	0
Dickinson Homes	GMSG-524	04/10/07	11:40 AM	28.83	37	T	--	--	--	0
Dickinson Homes	GMSG-524	07/19/07	10:02 AM	29.98	65	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-524	10/23/07	2:56 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-524	01/14/08	2:17 PM	29.92	25	0	--	--	--	0
Dickinson Homes	GMSG-524	04/15/08	10:55 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-524	07/15/08	2:55 PM	29.92	80	0	--	--	--	0
Dickinson Homes	GMSG-524	10/17/08	1:40 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-524	01/07/09	1:59 PM	27.98	24	T	--	--	--	0
Dickinson Homes	GMSG-524	04/03/09	11:02 AM	28.40	40	0	--	--	--	0
Dickinson Homes	GMSG-524	07/27/09	1:38 PM	28.49	81	0	--	--	--	0
Dickinson Homes	GMSG-524	10/22/09	11:04 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-524	04/20/10	2:55 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-524	11/08/10	12:39 PM	28.66	54	0	--	--	--	0
Dickinson Homes	GMSG-524	07/08/11	2:49 PM	28.64	81	0	--	--	--	0
Dickinson Homes	GMSG-524	10/24/12	3:31 PM	28.56	61	0	--	--	--	0
Dickinson Homes	GMSG-524	11/08/13	10:16 AM	28.91	37	0	--	--	--	0
Dickinson Homes	GMSG-524	08/23/14	1:11 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-524	08/04/15	11:03 AM	28.67	69	0	--	--	--	0
Dickinson Homes	GMSG-525	11/08/05	10:05 AM	28.90	41	0	--	--	--	0
Dickinson Homes	GMSG-525	11/14/05	2:53 PM	29.00	38	0	--	--	--	0
Dickinson Homes	GMSG-525	11/23/05	1:15 PM	27.96	30	0	--	--	--	0
Dickinson Homes	GMSG-525	12/08/05	2:17 PM	29.06	24	0	--	--	--	0
Dickinson Homes	GMSG-525	02/24/06	1:14 PM	28.93	21	0	--	--	--	0
Dickinson Homes	GMSG-525	03/10/06	11:58 AM	28.50	40	0	--	--	--	0
Dickinson Homes	GMSG-525	04/11/06	10:04 AM	28.68	62	0	--	--	--	0
Dickinson Homes	GMSG-525	07/11/06	2:51 PM	28.78	75	0	--	--	--	0
Dickinson Homes	GMSG-525	10/10/06	1:36 PM	28.76	52	0	--	--	--	0
Dickinson Homes	GMSG-525	02/05/07	1:20 PM	29.09	4	0	--	--	--	0
Dickinson Homes	GMSG-525	04/03/07	2:45 PM	28.54	37	0	--	--	--	0
Dickinson Homes	GMSG-525	07/19/07	10:15 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-525	10/23/07	3:10 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-525	01/14/08	2:40 PM	29.94	25	0	--	--	--	0
Dickinson Homes	GMSG-525	04/15/08	11:06 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-525	07/15/08	2:34 PM	29.92	80	0	--	--	--	0
Dickinson Homes	GMSG-525	10/17/08	1:51 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-525	01/07/09	2:30 PM	27.99	23	T	--	--	--	0
Dickinson Homes	GMSG-525	04/03/09	11:08 AM	28.40	40	0	--	--	--	0
Dickinson Homes	GMSG-525	07/27/09	1:55 PM	28.49	81	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-525	10/22/09	11:13 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-525	04/20/10	3:05 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-525	11/08/10	12:49 PM	28.66	54	0	--	--	--	0
Dickinson Homes	GMSG-525	07/08/11	3:08 PM	28.64	81	0	--	--	--	0
Dickinson Homes	GMSG-525	10/24/12	3:44 PM	28.57	60	0	--	--	--	0
Dickinson Homes	GMSG-525	11/08/13	10:02 AM	28.91	37	0	--	--	--	0
Dickinson Homes	GMSG-525	09/30/14	12:25 PM	28.81	50	0	--	--	--	0
Dickinson Homes	GMSG-525	08/04/15	10:46 AM	28.67	69	0	--	--	--	0
Dickinson Homes	GMSG-526	11/08/05	10:00 AM	28.90	41	0	--	--	--	0
Dickinson Homes	GMSG-526	11/14/05	2:47 PM	29.00	38	0	--	--	--	0
Dickinson Homes	GMSG-526	11/23/05	1:20 PM	27.96	30	0	--	--	--	0
Dickinson Homes	GMSG-526	12/08/05	2:33 PM	29.04	23	0	--	--	--	0
Dickinson Homes	GMSG-526	02/24/06	12:48 PM	28.93	21	0	--	--	--	0
Dickinson Homes	GMSG-526	03/10/06	11:42 AM	28.50	40	0	--	--	--	0
Dickinson Homes	GMSG-526	04/11/06	9:58 AM	28.68	62	0	--	--	--	0
Dickinson Homes	GMSG-526	07/11/06	3:09 PM	28.78	75	0	--	--	--	0
Dickinson Homes	GMSG-526	10/10/06	1:46 PM	28.76	52	0	--	--	--	0
Dickinson Homes	GMSG-526	02/05/07	1:44 PM	29.07	4	0	--	--	--	0
Dickinson Homes	GMSG-526	04/03/07	2:37 PM	28.54	37	0	--	--	--	0
Dickinson Homes	GMSG-526	07/19/07	10:08 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-526	10/23/07	3:03 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-526	01/14/08	2:28 PM	29.92	25	0	--	--	--	0
Dickinson Homes	GMSG-526	04/15/08	11:00 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-526	07/15/08	2:27 PM	29.92	82	0	--	--	--	0
Dickinson Homes	GMSG-526	10/17/08	1:45 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-526	01/07/09	2:14 PM	27.98	24	T	--	--	--	0
Dickinson Homes	GMSG-526	04/03/09	11:06 AM	28.40	40	0	--	--	--	0
Dickinson Homes	GMSG-526	07/27/09	1:46 PM	28.49	81	0	--	--	--	0
Dickinson Homes	GMSG-526	10/22/09	11:08 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-526	04/20/10	3:00 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-526	11/08/10	12:44 PM	28.66	54	0	--	--	--	0
Dickinson Homes	GMSG-526	07/08/11	2:59 PM	28.64	81	0	--	--	--	0
Dickinson Homes	GMSG-526	10/24/12	3:47 PM	28.56	61	0	--	--	--	0
Dickinson Homes	GMSG-526	11/08/13	10:07 AM	28.91	37	0	--	--	--	0
Dickinson Homes	GMSG-526	08/23/14	1:18 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-526	08/04/15	10:55 AM	28.67	69	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-527	11/08/05	10:10 AM	28.90	41	0	--	--	--	0
Dickinson Homes	GMSG-527	11/16/05	9:42 AM	28.39	31	T	--	--	--	0
Dickinson Homes	GMSG-527	11/23/05	2:15 PM	27.96	31	T	--	--	--	0
Dickinson Homes	GMSG-527	12/08/05	2:37 PM	29.04	23	0	--	--	--	0
Dickinson Homes	GMSG-527	02/24/06	1:37 PM	28.88	20	T	--	--	--	0
Dickinson Homes	GMSG-527	03/10/06	12:04 PM	28.50	40	0	--	--	--	0
Dickinson Homes	GMSG-527	04/11/06	10:08 AM	28.68	62	0	--	--	--	0
Dickinson Homes	GMSG-527	07/11/06	2:46 PM	28.78	75	0	--	--	--	0
Dickinson Homes	GMSG-527	10/10/06	1:29 PM	28.80	52	0	--	--	--	0
Dickinson Homes	GMSG-527	02/06/07	8:58 AM	28.93	-8	0	--	--	--	0
Dickinson Homes	GMSG-527	04/03/07	2:48 PM	28.54	37	0	--	--	--	0
Dickinson Homes	GMSG-527	07/19/07	10:19 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-527	10/23/07	3:14 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-527	01/14/08	2:48 PM	29.94	25	0	--	--	--	0
Dickinson Homes	GMSG-527	04/15/08	11:10 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-527	07/15/08	2:37 PM	29.92	80	0	--	--	--	0
Dickinson Homes	GMSG-527	10/17/08	1:54 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-527	01/07/09	2:37 PM	27.99	23	T	--	--	--	0
Dickinson Homes	GMSG-527	04/03/09	11:11 AM	28.40	40	0	--	--	--	0
Dickinson Homes	GMSG-527	07/27/09	1:59 PM	28.49	81	0	--	--	--	0
Dickinson Homes	GMSG-527	10/22/09	11:16 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-527	04/20/10	3:09 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-527	11/08/10	12:51 PM	28.66	54	0	--	--	--	0
Dickinson Homes	GMSG-527	07/08/11	4:16 PM	28.64	80	0	--	--	--	0
Dickinson Homes	GMSG-527	10/24/12	3:38 PM	28.56	61	0	--	--	--	0
Dickinson Homes	GMSG-527	10/24/12	3:42 PM	28.56	61	0	--	--	--	0
Dickinson Homes	GMSG-527	11/07/13	3:50 PM	28.81	33	T	--	--	--	0
Dickinson Homes	GMSG-527	09/30/14	12:28 PM	28.81	50	0	--	--	--	0
Dickinson Homes	GMSG-527	08/04/15	10:43 AM	28.67	69	0	--	--	--	0
Dickinson Homes	GMSG-536A	11/14/05	3:00 PM	29.00	38	0	--	--	--	0
Dickinson Homes	GMSG-536A	11/23/05	2:20 PM	27.96	31	T	--	--	--	0
Dickinson Homes	GMSG-536A	12/08/05	2:23 PM	29.06	24	0	--	--	--	0
Dickinson Homes	GMSG-536A	02/24/06	1:04 PM	28.93	21	0	--	--	--	0
Dickinson Homes	GMSG-536A	03/10/06	11:51 AM	28.50	40	0	--	--	--	0
Dickinson Homes	GMSG-536A	04/11/06	10:01 AM	28.68	62	0	--	--	--	0
Dickinson Homes	GMSG-536A	07/17/06	10:08 AM	28.56	83	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-536A	10/10/06	1:42 PM	28.76	52	0	--	--	--	0
Dickinson Homes	GMSG-536A	02/05/07	1:30 PM	29.07	4	0	--	--	--	0
Dickinson Homes	GMSG-536A	04/03/07	2:41 PM	28.54	37	0	--	--	--	0
Dickinson Homes	GMSG-536A	07/19/07	10:12 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-536A	10/23/07	3:03 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-536A	01/14/08	2:32 PM	29.94	25	0	--	--	--	0
Dickinson Homes	GMSG-536A	04/15/08	11:03 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-536A	07/15/08	2:30 PM	29.92	80	0	--	--	--	0
Dickinson Homes	GMSG-536A	10/17/08	1:47 PM	30.27	45	T	--	--	--	0
Dickinson Homes	GMSG-536A	01/07/09	2:20 PM	27.98	24	T	--	--	--	0
Dickinson Homes	GMSG-536A	04/22/09	9:31 AM	28.53	41	0	--	--	--	0
Dickinson Homes	GMSG-536A	07/27/09	1:50 PM	28.49	81	0	--	--	--	0
Dickinson Homes	GMSG-536A	10/22/09	11:10 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-536A	04/20/10	3:02 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-536A	11/08/10	12:46 PM	28.66	54	0	--	--	--	0
Dickinson Homes	GMSG-536A	07/08/11	3:02 PM	28.64	81	0	--	--	--	0
Dickinson Homes	GMSG-536A	10/24/12	3:37 PM	28.56	61	0	--	--	--	0
Dickinson Homes	GMSG-536A	11/08/13	10:04 AM	28.91	37	0	--	--	--	0
Dickinson Homes	GMSG-536A	08/23/14	1:20 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-536A	08/04/15	10:51 AM	28.67	69	0	--	--	--	0
Dickinson Homes	GMSG-536B	11/14/05	3:01 PM	29.00	38	0	--	--	--	0
Dickinson Homes	GMSG-536B	11/23/05	2:22 PM	27.96	31	T	--	--	--	0
Dickinson Homes	GMSG-536B	12/08/05	2:24 PM	29.06	24	0	--	--	--	0
Dickinson Homes	GMSG-536B	02/24/06	1:06 PM	28.93	21	0	--	--	--	0
Dickinson Homes	GMSG-536B	03/10/06	11:52 AM	28.50	40	0	--	--	--	0
Dickinson Homes	GMSG-536B	04/11/06	10:02 AM	28.68	62	0	--	--	--	0
Dickinson Homes	GMSG-536B	07/17/06	10:10 AM	28.56	83	T	--	--	--	0
Dickinson Homes	GMSG-536B	10/10/06	1:44 PM	28.76	52	0	--	--	--	0
Dickinson Homes	GMSG-536B	02/05/07	1:31 PM	29.07	4	0	--	--	--	0
Dickinson Homes	GMSG-536B	04/03/07	2:42 PM	28.54	37	0	--	--	--	0
Dickinson Homes	GMSG-536B	07/19/07	10:13 AM	29.98	65	0	--	--	--	0
Dickinson Homes	GMSG-536B	10/23/07	3:07 PM	29.70	52	0	--	--	--	0
Dickinson Homes	GMSG-536B	01/14/08	2:33 PM	29.94	25	0	--	--	--	0
Dickinson Homes	GMSG-536B	04/15/08	11:04 AM	29.96	50	0	--	--	--	0
Dickinson Homes	GMSG-536B	07/15/08	2:31 PM	29.92	80	0	--	--	--	0
Dickinson Homes	GMSG-536B	10/17/08	1:48 PM	30.27	45	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Homes	GMSG-536B	01/07/09	2:21 PM	27.98	24	T	--	--	--	0
Dickinson Homes	GMSG-536B	04/22/09	9:33 AM	28.53	41	0	--	--	--	0
Dickinson Homes	GMSG-536B	07/27/09	1:51 PM	28.49	81	0	--	--	--	0
Dickinson Homes	GMSG-536B	10/22/09	11:11 AM	28.88	40	0	--	--	--	0
Dickinson Homes	GMSG-536B	04/20/10	3:03 PM	28.60	72	0	--	--	--	0
Dickinson Homes	GMSG-536B	11/08/10	12:47 PM	28.66	54	0	--	--	--	0
Dickinson Homes	GMSG-536B	07/08/11	3:03 PM	28.64	81	0	--	--	--	0
Dickinson Homes	GMSG-536B	10/24/12	3:38 PM	28.56	61	0	--	--	--	0
Dickinson Homes	GMSG-536B	11/08/13	10:04 AM	28.91	37	0	--	--	--	0
Dickinson Homes	GMSG-536B	08/23/14	1:22 PM	28.80	68	T	--	--	--	0
Dickinson Homes	GMSG-536B	08/04/15	10:52 AM	28.67	69	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	02/13/02	8:12 AM	28.94	10	0	0	1.7	19.3	--
Dickinson Neurology Associates	GMSG-57	02/16/02	12:47 PM	28.58	32	0	0	1.7	18.6	--
Dickinson Neurology Associates	GMSG-57	03/01/02	2:31 PM	29.07	19	0	0	1.6	19.5	--
Dickinson Neurology Associates	GMSG-57	03/12/02	9:53 AM	28.79	26	0	0	1.5	19.3	--
Dickinson Neurology Associates	GMSG-57	04/15/02	9:25 AM	28.50	65	0	0	2.1	18.3	--
Dickinson Neurology Associates	GMSG-57	05/16/02	11:00 AM	28.73	44	0	0	2.8	18.8	--
Dickinson Neurology Associates	GMSG-57	09/27/02	1:19 PM	28.70	62	0	0	6	15.7	0
Dickinson Neurology Associates	GMSG-57	11/20/02	1:17 PM	28.70	35	T	0	3.8	16.5	0
Dickinson Neurology Associates	GMSG-57	01/28/03	12:43 PM	28.74	23	T	0	1.9	17.8	0
Dickinson Neurology Associates	GMSG-57	04/21/03	10:18 AM	28.46	38	T	0	2.2	17.7	0
Dickinson Neurology Associates	GMSG-57	08/04/03	10:53 AM	28.75	70	0	0	6.2	14.2	0
Dickinson Neurology Associates	GMSG-57	11/01/03	12:23 PM	29.08	37	0	0	3.8	16.5	0
Dickinson Neurology Associates	GMSG-57	01/20/04	9:04 AM	29.06	-3	0	0	2.1	17.5	0
Dickinson Neurology Associates	GMSG-57	04/15/04	4:02 PM	28.72	57	0	--	--	--	--
Dickinson Neurology Associates	GMSG-57	04/17/04	11:10 AM	28.92	60	0	0	2	15.8	0
Dickinson Neurology Associates	GMSG-57	05/18/04	--	--	--	--	0	0.2	19.5	--
Dickinson Neurology Associates	GMSG-57	07/13/04	10:25 AM	28.59	73	0	0	5.2	15	0
Dickinson Neurology Associates	GMSG-57	10/25/04	2:39 PM	28.85	55	0	0	3.7	16.7	0
Dickinson Neurology Associates	GMSG-57	01/31/05	9:33 AM	29.07	28	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	02/01/05	5:01 PM	29.11	35	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	04/01/05	3:21 PM	28.73	52	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	04/05/05	12:37 PM	28.56	71	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	07/05/05	10:57 AM	28.88	62	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	10/10/05	3:20 PM	28.96	63	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	02/24/06	9:08 AM	29.03	6	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Neurology Associates	GMSG-57	04/03/06	2:38 PM	28.67	42	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	07/06/06	9:43 AM	29.04	76		--	--	--	3
Dickinson Neurology Associates	GMSG-57	07/10/06	10:59 AM	28.80	66	0	--	--	--	--
Dickinson Neurology Associates	GMSG-57	10/02/06	2:10 PM	28.63	80	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	10/09/06	9:54 AM	29.13	47	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	01/17/07	3:40 PM	28.98	26	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	04/02/07	1:50 PM	28.67	45	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	07/17/07	3:06 PM	29.91	81	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	10/18/07	4:07 PM	29.15	67	T	--	--	--	0
Dickinson Neurology Associates	GMSG-57	01/04/08	2:36 PM	29.94	28	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	04/24/08	10:59 AM	30.08	65	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	07/10/08	2:56 PM	29.92	74	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	10/13/08	2:40 PM	30.03	76	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	04/01/09	10:31 AM	28.18	34	T	--	--	--	0
Dickinson Neurology Associates	GMSG-57	07/28/09	1:15 PM	28.46	71	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	10/19/09	2:34 PM	28.50	66	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	04/23/10	2:41 PM	28.61	66	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	10/27/10	3:45 PM	28.02	37	0.03	--	--	--	0
Dickinson Neurology Associates	GMSG-57	07/09/11	4:34 PM	28.58	81	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	10/31/12	12:43 PM	28.54	39	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	11/09/13	2:40 PM	28.44	39	T	--	--	--	0
Dickinson Neurology Associates	GMSG-57	08/13/14	12:40 PM	28.75	74	0	--	--	--	0
Dickinson Neurology Associates	GMSG-57	08/07/15	2:07 PM	28.64	66	T	--	--	--	0
Dickinson Neurology Associates	GMSG-58	02/13/02	8:05 AM	28.94	10	0	0	0.5	20	--
Dickinson Neurology Associates	GMSG-58	02/16/02	12:42 PM	28.58	32	0	0	0.5	19.5	--
Dickinson Neurology Associates	GMSG-58	03/01/02	2:26 PM	29.07	17	0	0	0.5	20.3	--
Dickinson Neurology Associates	GMSG-58	03/12/02	10:00 AM	28.79	26	0	0	0.6	20.1	--
Dickinson Neurology Associates	GMSG-58	04/15/02	9:29 AM	28.50	65	0	0	0.6	19.8	--
Dickinson Neurology Associates	GMSG-58	05/16/02	11:04 AM	28.73	44	0	0	0.6	20	--
Dickinson Neurology Associates	GMSG-58	09/27/02	1:24 PM	28.70	62	0	0	1.4	19.3	0
Dickinson Neurology Associates	GMSG-58	11/20/02	1:22 PM	28.70	35	T	0	1.1	18.5	0
Dickinson Neurology Associates	GMSG-58	01/28/03	12:49 PM	28.74	23	T	0	0.8	19.2	0
Dickinson Neurology Associates	GMSG-58	04/21/03	10:24 AM	28.46	38	T	0	0.6	19.5	0
Dickinson Neurology Associates	GMSG-58	08/04/03	10:47 AM	28.75	70	0	0	1.1	18.1	0
Dickinson Neurology Associates	GMSG-58	11/01/03	12:15 PM	29.08	37	0	0	1	18.3	0
Dickinson Neurology Associates	GMSG-58	01/20/04	8:55 AM	29.06	-3	0	0	0.8	18.4	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Neurology Associates	GMSG-58	04/15/04	4:10 PM	28.72	57	0	--	--	--	--
Dickinson Neurology Associates	GMSG-58	04/17/04	11:03 AM	28.92	60	0	0	0.4	17.3	0
Dickinson Neurology Associates	GMSG-58	05/18/04	--	--	--	--	0	0.1	20.1	--
Dickinson Neurology Associates	GMSG-58	07/13/04	10:18 AM	28.59	73	0	0	1	18.4	0
Dickinson Neurology Associates	GMSG-58	10/25/04	2:32 PM	28.85	55	0	0	1	18.7	0
Dickinson Neurology Associates	GMSG-58	02/01/05	5:03 PM	29.11	35	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	04/01/05	3:16 PM	28.73	52	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	07/05/05	11:01 AM	28.88	62	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	10/10/05	3:15 PM	28.96	63	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	02/24/06	9:27 AM	29.03	6	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	04/03/06	2:35 PM	28.67	42	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	07/06/06	9:37 AM	29.04	76	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	10/02/06	2:12 PM	28.63	80	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	10/09/06	9:50 AM	29.13	47	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	01/17/07	3:37 PM	28.98	26	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	04/02/07	1:52 PM	28.67	45	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	07/17/07	3:08 PM	29.91	81	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	10/18/07	4:03 PM	29.15	67	T	--	--	--	0
Dickinson Neurology Associates	GMSG-58	01/04/08	2:38 PM	29.94	28	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	04/24/08	10:55 AM	30.08	65	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	07/10/08	2:57 PM	29.92	74	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	10/13/08	2:42 PM	30.03	76	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	01/26/09	2:42 PM	28.99	7	T	--	--	--	0
Dickinson Neurology Associates	GMSG-58	04/01/09	10:33 AM	28.18	34	T	--	--	--	0
Dickinson Neurology Associates	GMSG-58	07/28/09	1:18 PM	28.46	71	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	10/19/09	2:32 PM	28.50	66	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	04/23/10	2:42 PM	28.61	66	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	10/27/10	3:47 PM	28.02	37	0.03	--	--	--	0
Dickinson Neurology Associates	GMSG-58	07/09/11	4:31 PM	28.58	81	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	10/31/12	12:36 PM	28.54	39	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	11/09/13	2:40 PM	28.44	39	T	--	--	--	0
Dickinson Neurology Associates	GMSG-58	08/13/14	12:35 PM	28.75	74	0	--	--	--	0
Dickinson Neurology Associates	GMSG-58	08/07/15	2:03 PM	28.64	66	T	--	--	--	0
Dickinson Neurology Associates	GMSG-551	11/28/05	11:15 AM	28.19	44	0.05	--	--	--	0
Dickinson Neurology Associates	GMSG-551	12/07/05	11:09 AM	29.27	21	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	12/13/05	2:20 PM	28.88	24	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Neurology Associates	GMSG-551	02/17/06	2:02 PM	29.12	6	T	--	--	--	0
Dickinson Neurology Associates	GMSG-551	03/10/06	9:16 AM	28.44	36	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	04/03/06	2:40 PM	28.67	42	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	07/10/06	1:04 PM	28.78	72	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	10/02/06	2:06 PM	28.63	80	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	10/09/06	10:00 AM	29.13	47	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	01/17/07	3:28 PM	28.99	26	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	04/02/07	1:47 PM	28.67	45	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	07/17/07	3:04 PM	29.91	81	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	10/18/07	3:54 PM	29.15	67	T	--	--	--	0
Dickinson Neurology Associates	GMSG-551	01/04/08	2:34 PM	29.94	28	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	04/24/08	11:01 AM	30.08	65	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	07/10/08	2:54 PM	29.92	74	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	10/13/08	2:37 PM	30.03	76	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	01/26/09	2:38 PM	28.99	7	T	--	--	--	0
Dickinson Neurology Associates	GMSG-551	04/01/09	10:29 AM	28.17	33	T	--	--	--	0
Dickinson Neurology Associates	GMSG-551	07/28/09	1:12 PM	28.46	71	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	10/19/09	2:35 PM	28.50	66	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	04/23/10	2:38 PM	28.61	66	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	10/27/10	3:43 PM	28.02	37	0.03	--	--	--	0
Dickinson Neurology Associates	GMSG-551	07/09/11	4:37 PM	28.58	81	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	10/31/12	12:31 PM	28.54	39	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	11/09/13	2:40 PM	28.44	39	T	--	--	--	0
Dickinson Neurology Associates	GMSG-551	08/13/14	12:46 PM	28.75	74	0	--	--	--	0
Dickinson Neurology Associates	GMSG-551	08/07/15	1:57 PM	28.64	66	T	--	--	--	0
Dickinson Neurology Associates	GMSG-552	11/28/05	11:18 AM	28.19	44	0.05	--	--	--	0
Dickinson Neurology Associates	GMSG-552	12/07/05	11:12 AM	29.27	21	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	12/13/05	2:29 PM	28.88	24	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	02/17/06	2:08 PM	29.12	6	T	--	--	--	0
Dickinson Neurology Associates	GMSG-552	03/10/06	9:18 AM	28.44	36	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	04/03/06	2:32 PM	28.67	42	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	07/06/06	9:32 AM	29.04	76	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	10/02/06	2:04 PM	28.63	80	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	10/09/06	9:45 AM	29.13	47	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	01/17/07	3:33 PM	28.98	26	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	04/02/07	1:55 PM	28.67	45	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Dickinson Neurology Associates	GMSG-552	07/17/07	3:10 PM	29.91	81	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	10/18/07	4:00 PM	29.15	67	T	--	--	--	0
Dickinson Neurology Associates	GMSG-552	01/04/08	2:32 PM	29.94	28	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	04/24/08	11:03 AM	30.08	65	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	07/10/08	2:52 PM	29.92	74	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	10/13/08	2:35 PM	30.03	76	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	01/26/09	2:44 PM	28.99	7	T	--	--	--	0
Dickinson Neurology Associates	GMSG-552	04/01/09	10:36 AM	28.18	34	T	--	--	--	0
Dickinson Neurology Associates	GMSG-552	07/28/09	1:21 PM	28.46	71	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	10/19/09	2:38 PM	28.50	66	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	04/23/10	2:37 PM	28.61	66	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	10/27/10	3:41 PM	28.02	37	0.03	--	--	--	0
Dickinson Neurology Associates	GMSG-552	07/09/11	4:29 PM	28.59	80	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	10/31/12	12:33 PM	28.54	39	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	11/09/13	2:40 PM	28.44	39	T	--	--	--	0
Dickinson Neurology Associates	GMSG-552	08/13/14	12:51 PM	28.75	74	0	--	--	--	0
Dickinson Neurology Associates	GMSG-552	08/07/15	1:59 PM	28.64	66	T	--	--	--	0
Donna's School of Dance	GMSG-423	10/29/03	12:35 PM	28.45	43	0	0	0.5	18.9	0
Donna's School of Dance	GMSG-423	11/03/03	4:20 PM	29.02	32	0	0	0.8	18.3	0
Donna's School of Dance	GMSG-423	11/12/03	12:33 PM	28.20	40	0	0	0.9	18	0
Donna's School of Dance	GMSG-423	12/17/03	4:10 PM	28.59	24	0	0	0.5	18.5	0
Donna's School of Dance	GMSG-423	01/20/04	1:09 PM	29.04	12	0	0	0.8	18.1	0
Donna's School of Dance	GMSG-423	04/17/04	1:26 PM	28.91	64	0	0	0.5	17.5	0
Donna's School of Dance	GMSG-423	07/13/04	10:10 AM	28.59	73	0	0	0.7	18.8	0
Donna's School of Dance	GMSG-423	10/28/04	9:38 AM	28.94	47	0	0	0.7	18.8	0
Donna's School of Dance	GMSG-423	01/25/05	2:50 PM	28.25	27	0	0	0.9	18.2	0
Donna's School of Dance	GMSG-423	04/02/05	1:55 PM	28.79	51	0	--	--	--	0
Donna's School of Dance	GMSG-423	07/01/05	2:20 PM	28.71	64	0	--	--	--	0
Donna's School of Dance	GMSG-423	10/10/05	4:00 PM	28.96	63	0	--	--	--	0
Donna's School of Dance	GMSG-423	03/06/06	4:17 PM	29.04	36	0	--	--	--	0
Donna's School of Dance	GMSG-423	04/03/06	2:48 PM	28.67	42	0	--	--	--	0
Donna's School of Dance	GMSG-423	07/07/06	2:53 PM	28.97	84	0	--	--	--	0
Donna's School of Dance	GMSG-423	10/03/06	1:50 PM	28.87	70	0	--	--	--	0
Donna's School of Dance	GMSG-423	01/17/07	11:06 AM	29.08	20	0	--	--	--	0
Donna's School of Dance	GMSG-423	04/02/07	11:09 AM	28.62	41	0	--	--	--	0
Donna's School of Dance	GMSG-423	07/18/07	10:44 AM	29.89	79	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Donna's School of Dance	GMSG-423	10/23/07	8:32 AM	29.88	44	0	--	--	--	0
Donna's School of Dance	GMSG-423	01/04/08	2:53 PM	29.94	28	0	--	--	--	0
Donna's School of Dance	GMSG-423	04/24/08	1:27 PM	30.04	63	0	--	--	--	0
Donna's School of Dance	GMSG-423	07/14/08	8:34 AM	29.87	66	0	--	--	--	0
Donna's School of Dance	GMSG-423	10/13/08	2:54 PM	30.03	76	0	--	--	--	0
Donna's School of Dance	GMSG-423	01/27/09	1:59 PM	28.93	10	0	--	--	--	0
Donna's School of Dance	GMSG-423	04/01/09	10:44 AM	28.18	34	T	--	--	--	0
Donna's School of Dance	GMSG-423	07/28/09	1:00 PM	28.46	71	0	--	--	--	0
Donna's School of Dance	GMSG-423	10/19/09	2:48 PM	28.50	66	0	--	--	--	0
Donna's School of Dance	GMSG-423	04/27/10	10:22 AM	28.67	49	0	--	--	--	0
Donna's School of Dance	GMSG-423	10/27/10	11:06 AM	27.88	41	T	--	--	--	0
Donna's School of Dance	GMSG-423	07/10/11	11:23 AM	28.61	76	T	--	--	--	0
Donna's School of Dance	GMSG-423	10/31/12	1:00 PM	28.54	39	0	--	--	--	0
Donna's School of Dance	GMSG-423	11/12/13	11:20 AM	29.28	26	0	--	--	--	0
Donna's School of Dance	GMSG-423	08/13/14	11:04 AM	28.76	71	0	--	--	--	0
Donna's School of Dance	GMSG-423	08/05/15	11:10 AM	28.83	67	0	--	--	--	0
Donna's School of Dance	GMSG-588	06/01/06	10:59 AM	28.91	75	0	--	--	--	0
Donna's School of Dance	GMSG-588	06/06/06	2:11 PM	28.55	68	0	--	--	--	0
Donna's School of Dance	GMSG-588	06/15/06	12:37 PM	28.85	76	0	--	--	--	0
Donna's School of Dance	GMSG-588	06/23/06	9:54 AM	29.02	67	0	--	--	--	0
Donna's School of Dance	GMSG-588	07/10/06	1:30 PM	28.76	73	0	--	--	--	0
Donna's School of Dance	GMSG-588	08/11/06	8:23 AM	28.97	62	0	--	--	--	0
Donna's School of Dance	GMSG-588	09/06/06	2:18 PM	28.89	71	0	--	--	--	0
Donna's School of Dance	GMSG-588	10/03/06	1:52 PM	28.87	70	0	--	--	--	0
Donna's School of Dance	GMSG-588	01/17/07	11:11 AM	29.08	20	0	--	--	--	0
Donna's School of Dance	GMSG-588	04/02/07	11:01 AM	28.62	41	0	--	--	--	0
Donna's School of Dance	GMSG-588	07/18/07	10:46 AM	29.89	79	0	--	--	--	0
Donna's School of Dance	GMSG-588	10/23/07	8:35 AM	29.88	44	0	--	--	--	0
Donna's School of Dance	GMSG-588	01/04/08	2:56 PM	29.94	28	0	--	--	--	0
Donna's School of Dance	GMSG-588	04/24/08	1:30 PM	30.00	62	T	--	--	--	0
Donna's School of Dance	GMSG-588	07/14/08	8:37 AM	29.87	66	0	--	--	--	0
Donna's School of Dance	GMSG-588	10/13/08	2:57 PM	30.03	76	0	--	--	--	0
Donna's School of Dance	GMSG-588	01/27/09	1:53 PM	28.93	10	0	--	--	--	0
Donna's School of Dance	GMSG-588	04/01/09	10:46 AM	28.18	34	T	--	--	--	0
Donna's School of Dance	GMSG-588	07/28/09	12:58 PM	28.46	71	0	--	--	--	0
Donna's School of Dance	GMSG-588	10/19/09	2:51 PM	28.50	66	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Donna's School of Dance	GMSG-588	04/27/10	10:24 AM	28.67	49	0	--	--	--	0
Donna's School of Dance	GMSG-588	10/27/10	11:08 AM	27.88	41	T	--	--	--	0
Donna's School of Dance	GMSG-588	07/10/11	11:25 AM	28.61	76	T	--	--	--	0
Donna's School of Dance	GMSG-588	10/31/12	1:02 PM	28.54	39	0	--	--	--	0
Donna's School of Dance	GMSG-588	11/09/13	1:05 PM	28.39	40	0	--	--	--	0
Donna's School of Dance	GMSG-588	08/13/14	11:08 AM	28.76	71	0	--	--	--	0
Donna's School of Dance	GMSG-588	08/05/15	11:13 AM	28.83	67	0	--	--	--	0
Donna's School of Dance	GMSG-589	06/01/06	11:02 AM	28.91	75	0	--	--	--	0
Donna's School of Dance	GMSG-589	06/06/06	2:14 PM	28.55	68	0	--	--	--	0
Donna's School of Dance	GMSG-589	06/15/06	12:40 PM	28.85	76	0	--	--	--	0
Donna's School of Dance	GMSG-589	06/23/06	9:50 AM	29.02	67	0	--	--	--	0
Donna's School of Dance	GMSG-589	07/10/06	1:27 PM	28.78	72	0	--	--	--	0
Donna's School of Dance	GMSG-589	08/11/06	8:28 AM	28.97	62	0	--	--	--	0
Donna's School of Dance	GMSG-589	09/06/06	2:15 PM	28.89	71	0	--	--	--	0
Donna's School of Dance	GMSG-589	10/03/06	1:54 PM	28.87	70	0	--	--	--	0
Donna's School of Dance	GMSG-589	01/17/07	10:53 AM	29.08	20	0	--	--	--	0
Donna's School of Dance	GMSG-589	04/02/07	11:03 AM	28.62	41	0	--	--	--	0
Donna's School of Dance	GMSG-589	07/18/07	10:40 AM	29.89	79	0	--	--	--	0
Donna's School of Dance	GMSG-589	10/23/07	8:26 AM	29.92	37	0	--	--	--	0
Donna's School of Dance	GMSG-589	01/04/08	2:44 PM	29.94	28	0	--	--	--	0
Donna's School of Dance	GMSG-589	04/24/08	1:23 PM	30.04	63	0	--	--	--	0
Donna's School of Dance	GMSG-589	07/14/08	8:30 AM	29.87	66	0	--	--	--	0
Donna's School of Dance	GMSG-589	10/13/08	2:50 PM	30.03	76	0	--	--	--	0
Donna's School of Dance	GMSG-589	01/27/09	2:03 PM	28.93	10	0	--	--	--	0
Donna's School of Dance	GMSG-589	04/22/09	8:35 AM	28.49	41	0	--	--	--	0
Donna's School of Dance	GMSG-589	07/28/09	1:10 PM	28.46	71	0	--	--	--	0
Donna's School of Dance	GMSG-589	10/19/09	2:44 PM	28.50	66	0	--	--	--	0
Donna's School of Dance	GMSG-589	04/27/10	10:18 AM	28.67	49	0	--	--	--	0
Donna's School of Dance	GMSG-589	10/27/10	11:03 AM	27.88	41	T	--	--	--	0
Donna's School of Dance	GMSG-589	07/10/11	11:19 AM	28.61	76	T	--	--	--	0
Donna's School of Dance	GMSG-589	10/31/12	12:54 PM	28.54	39	0	--	--	--	0
Donna's School of Dance	GMSG-589	11/09/13	1:05 PM	28.39	40	0	--	--	--	0
Donna's School of Dance	GMSG-589	08/13/14	11:17 AM	28.76	71	0	--	--	--	0
Donna's School of Dance	GMSG-589	08/05/15	11:05 AM	28.83	67	0	--	--	--	0
Donna's School of Dance	GMSG-590	06/01/06	11:05 AM	28.91	75	0	--	--	--	0
Donna's School of Dance	GMSG-590	06/06/06	2:16 PM	28.55	68	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Donna's School of Dance	GMSG-590	06/15/06	12:44 PM	28.85	76	0	--	--	--	0
Donna's School of Dance	GMSG-590	06/23/06	9:47 AM	29.02	67	0	--	--	--	0
Donna's School of Dance	GMSG-590	07/10/06	1:21 PM	28.78	72	0	--	--	--	0
Donna's School of Dance	GMSG-590	08/11/06	8:32 AM	28.97	64	0	--	--	--	0
Donna's School of Dance	GMSG-590	09/06/06	2:12 PM	28.89	71	0	--	--	--	0
Donna's School of Dance	GMSG-590	10/03/06	1:48 PM	28.87	70	0	--	--	--	0
Donna's School of Dance	GMSG-590	01/17/07	11:02 AM	29.08	20	0	--	--	--	0
Donna's School of Dance	GMSG-590	04/02/07	11:06 AM	28.62	41	0	--	--	--	0
Donna's School of Dance	GMSG-590	07/18/07	10:42 AM	29.89	79	0	--	--	--	0
Donna's School of Dance	GMSG-590	10/23/07	8:30 AM	29.88	44	0	--	--	--	0
Donna's School of Dance	GMSG-590	01/04/08	2:49 PM	29.94	28	0	--	--	--	0
Donna's School of Dance	GMSG-590	04/24/08	1:25 PM	30.04	63	0	--	--	--	0
Donna's School of Dance	GMSG-590	07/14/08	8:32 AM	29.87	66	0	--	--	--	0
Donna's School of Dance	GMSG-590	10/13/08	2:53 PM	30.03	76	0	--	--	--	0
Donna's School of Dance	GMSG-590	01/27/09	2:09 PM	28.93	10	0	--	--	--	0
Donna's School of Dance	GMSG-590	04/01/09	10:41 AM	28.18	34	T	--	--	--	0
Donna's School of Dance	GMSG-590	07/28/09	1:03 PM	28.46	71	0	--	--	--	0
Donna's School of Dance	GMSG-590	10/19/09	2:46 PM	28.50	66	0	--	--	--	0
Donna's School of Dance	GMSG-590	04/27/10	10:20 AM	28.67	49	0	--	--	--	0
Donna's School of Dance	GMSG-590	10/27/10	11:05 AM	27.88	41	T	--	--	--	0
Donna's School of Dance	GMSG-590	07/10/11	11:21 AM	28.61	76	T	--	--	--	0
Donna's School of Dance	GMSG-590	10/31/12	12:57 PM	28.54	39	0	--	--	--	0
Donna's School of Dance	GMSG-590	11/09/13	1:05 PM	28.39	40	0	--	--	--	0
Donna's School of Dance	GMSG-590	08/13/14	10:59 AM	28.76	71	0	--	--	--	0
Donna's School of Dance	GMSG-590	08/05/15	11:07 AM	28.83	67	0	--	--	--	0
Evergreen Heights Apartments	GMSG-27	06/13/99	9:09 AM	28.84	65	0	0	2.7	16.4	--
Evergreen Heights Apartments	GMSG-27	06/16/99	9:05 AM	28.96	46	T	0	2.9	15.9	--
Evergreen Heights Apartments	GMSG-27	06/17/99	3:20 PM	28.97	67	0	0	2.7	16.6	--
Evergreen Heights Apartments	GMSG-27	06/18/99	11:30 AM	29.01	74	0	0	2.7	16.7	--
Evergreen Heights Apartments	GMSG-27	06/19/99	3:00 PM	28.99	69	0	0	2.8	16.7	--
Evergreen Heights Apartments	GMSG-27	06/20/99	3:00 PM	28.98	73	0	0	2.7	16.8	--
Evergreen Heights Apartments	GMSG-27	07/10/99	5:24 PM	28.91	73	0	0	3.6	15.4	--
Evergreen Heights Apartments	GMSG-27	07/27/99	2:53 PM	28.71	81	0	0	3.7	15.4	--
Evergreen Heights Apartments	GMSG-27	08/07/99	2:57 PM	28.49	78	0	0	4.4	14.9	--
Evergreen Heights Apartments	GMSG-27	09/14/99	2:35 PM	28.65	57	0	0	13.9	15.1	--
Evergreen Heights Apartments	GMSG-27	09/24/99	9:04 AM	28.69	51	0	0	3.6	15.8	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Evergreen Heights Apartments	GMSG-27	10/06/99	11:27 AM	29.05	41	0	0	4.4	14.8	--
Evergreen Heights Apartments	GMSG-27	10/27/99	8:30 AM	28.99	36	0	0	3.9	15.9	--
Evergreen Heights Apartments	GMSG-27	11/05/99	12:28 PM	28.73	53	0	0	3.4	16.1	--
Evergreen Heights Apartments	GMSG-27	11/09/99	12:42 PM	28.42	72	0	0	3.8	15.6	--
Evergreen Heights Apartments	GMSG-27	02/18/00	11:05 AM	28.92	19	0	0	1.7	19.3	--
Evergreen Heights Apartments	GMSG-27	03/19/00	10:10 AM	28.87	31	0	0	1	19.3	--
Evergreen Heights Apartments	GMSG-27	04/03/00	9:14 AM	28.34	41	0	0	1.7	16.7	--
Evergreen Heights Apartments	GMSG-27	10/10/00	3:15 PM	28.79	67	0	0	3.1	17	--
Evergreen Heights Apartments	GMSG-27	05/20/01	10:40 AM	28.62	75	0	0	1.9	17.5	--
Evergreen Heights Apartments	GMSG-27	09/11/01	3:48 PM	28.94	63	0	0	2.8	17.2	--
Evergreen Heights Apartments	GMSG-27	09/24/01	2:53 PM	29.08	49	0	0	2.6	17.8	--
Evergreen Heights Apartments	GMSG-27	10/21/01	9:23 AM	28.81	42	0	0	1.6	17.6	--
Evergreen Heights Apartments	GMSG-27	11/13/01	8:41 AM	28.81	41	0.01	0	1.6	19.1	--
Evergreen Heights Apartments	GMSG-27	02/13/02	9:28 AM	28.94	11	0	0	1.4	18.6	--
Evergreen Heights Apartments	GMSG-27	06/10/02	9:54 AM	28.68	80	0	0	0	21	--
Evergreen Heights Apartments	GMSG-27	07/22/02	3:29 PM	28.70	81	0	0	2.5	18.2	--
Evergreen Heights Apartments	GMSG-27	07/31/02	10:37 AM	28.73	82	0	0	2.6	17.7	--
Evergreen Heights Apartments	GMSG-27	09/27/02	12:54 PM	28.70	62	0	0	2.6	17.9	0
Evergreen Heights Apartments	GMSG-27	11/20/02	11:38 AM	28.70	37	0	0	1.6	18.2	0
Evergreen Heights Apartments	GMSG-27	01/28/03	10:30 AM	28.74	21	T	0	0.5	20.1	0
Evergreen Heights Apartments	GMSG-27	04/15/03	2:06 PM	28.58	54	0	0	0.6	19.7	0
Evergreen Heights Apartments	GMSG-27	08/04/03	10:03 AM	28.75	69	0	0	1.9	17.1	0
Evergreen Heights Apartments	GMSG-27	11/01/03	10:47 AM	29.10	35	0	0	0.9	18.3	0
Evergreen Heights Apartments	GMSG-27	01/19/04	3:10 PM	28.92	8	0	0	0.5	18.3	0
Evergreen Heights Apartments	GMSG-27	04/17/04	9:45 AM	28.92	56	0	0	0.8	16.9	0
Evergreen Heights Apartments	GMSG-27	06/14/04	10:46 AM	28.61	66	0	--	--	--	0
Evergreen Heights Apartments	GMSG-27	07/13/04	8:45 AM	28.63	73	T	0	1.3	17.7	0
Evergreen Heights Apartments	GMSG-27	10/17/04	2:38 PM	28.65	41	0	0	1.6	18	0
Evergreen Heights Apartments	GMSG-27	01/27/05	9:57 AM	29.36	-2	T	--	--	--	0
Evergreen Heights Apartments	GMSG-27	04/01/05	8:24 AM	28.80	42	0	--	--	--	0
Evergreen Heights Apartments	GMSG-27	07/05/05	9:02 AM	28.84	60	0	--	--	--	0
Evergreen Heights Apartments	GMSG-27	10/14/05	10:53 AM	28.72	62	0	--	--	--	0
Evergreen Heights Apartments	GMSG-27	02/22/06	2:55 PM	28.48	31	0	--	--	--	0
Evergreen Heights Apartments	GMSG-27	04/05/06	4:25 PM	28.70	56	0	--	--	--	0
Evergreen Heights Apartments	GMSG-27	07/07/06	9:21 AM	29.05	79	0	--	--	--	0
Evergreen Heights Apartments	GMSG-27	10/02/06	2:24 PM	28.63	80	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Evergreen Heights Apartments	GMSG-27	02/03/07	1:32 PM	28.52	1	T	--	--	--	0
Evergreen Heights Apartments	GMSG-27	04/03/07	10:30 AM	28.67	36	T	--	--	--	0
Evergreen Heights Apartments	GMSG-67	02/13/02	9:18 AM	28.94	11	0	0	0.5	19.7	--
Evergreen Heights Apartments	GMSG-67	02/16/02	1:14 PM	28.58	32	0	0	0.4	19.4	--
Evergreen Heights Apartments	GMSG-67	03/01/02	1:30 PM	29.07	17	0	0	0	20.6	--
Evergreen Heights Apartments	GMSG-67	03/12/02	8:41 AM	28.81	23	T	0	0.1	20.7	--
Evergreen Heights Apartments	GMSG-67	04/15/02	9:08 AM	28.50	65	0	0	0.1	20	--
Evergreen Heights Apartments	GMSG-67	05/16/02	10:41 AM	28.73	44	0	0	0.3	20.1	--
Evergreen Heights Apartments	GMSG-67	06/10/02	9:42 AM	28.68	80	0	0	1.6	18.1	--
Evergreen Heights Apartments	GMSG-67	07/22/02	3:14 PM	28.70	81	0	0	2.7	16.9	--
Evergreen Heights Apartments	GMSG-67	07/31/02	10:20 AM	28.74	77	0	0	2.9	16.5	--
Evergreen Heights Apartments	GMSG-67	09/27/02	12:40 PM	28.70	62	0	0	2.5	16.4	0
Evergreen Heights Apartments	GMSG-67	11/20/02	11:17 AM	28.71	35	0	0	2.6	16.8	0
Evergreen Heights Apartments	GMSG-67	01/28/03	10:06 AM	28.75	18	T	0	0.4	20.4	0
Evergreen Heights Apartments	GMSG-67	04/15/03	2:42 PM	28.59	51	0	0	0.7	19.3	0
Evergreen Heights Apartments	GMSG-67	08/04/03	9:31 AM	28.75	69	0	0	1.2	16.2	0
Evergreen Heights Apartments	GMSG-67	11/01/03	10:58 AM	29.10	35	0	0	1.6	17.4	0
Evergreen Heights Apartments	GMSG-67	01/19/04	2:45 PM	28.92	8	0	0	1	18.2	0
Evergreen Heights Apartments	GMSG-67	04/17/04	9:37 AM	28.92	56	0	0	0.5	17.3	0
Evergreen Heights Apartments	GMSG-67	06/14/04	10:34 AM	28.61	66	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	07/13/04	8:25 AM	28.64	71	0	0	2.1	16.5	0
Evergreen Heights Apartments	GMSG-67	10/17/04	2:27 PM	28.63	43	0	0	3.7	15.6	0
Evergreen Heights Apartments	GMSG-67	01/27/05	9:28 AM	29.35	-7	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	04/01/05	8:28 AM	28.80	42	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	07/05/05	9:09 AM	28.84	60	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	10/14/05	10:37 AM	28.72	62	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	02/22/06	2:41 PM	28.48	31	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	04/05/06	4:18 PM	28.70	56	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	07/07/06	9:15 AM	29.05	79	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	10/02/06	2:28 PM	28.63	80	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	02/03/07	11:40 AM	28.48	1	T	--	--	--	0
Evergreen Heights Apartments	GMSG-67	04/03/07	10:34 AM	28.67	36	T	--	--	--	0
Evergreen Heights Apartments	GMSG-67	07/17/07	11:16 AM	29.95	79	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	10/22/07	12:14 PM	30.03	51	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	01/11/08	1:50 PM	29.57	34	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	04/24/08	9:22 AM	30.12	58	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Evergreen Heights Apartments	GMSG-67	07/16/08	1:38 PM	30.09	79	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	10/02/08	1:02 PM	29.75	52	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	01/23/09	8:25 AM	28.43	23	T	--	--	--	0
Evergreen Heights Apartments	GMSG-67	03/30/09	3:15 PM	28.75	44	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	07/30/09	11:04 AM	28.56	61	T	--	--	--	0
Evergreen Heights Apartments	GMSG-67	10/22/09	9:30 AM	28.87	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	04/20/10	1:22 PM	28.64	68	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	11/01/10	1:33 PM	29.11	50	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	07/10/11	5:06 PM	28.57	85	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	10/26/12	12:50 PM	28.95	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	11/04/13	4:25 PM	28.71	47	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	08/11/14	9:39 AM	28.65	77	0	--	--	--	0
Evergreen Heights Apartments	GMSG-67	08/11/15	12:17 PM	28.83	72	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	02/13/02	9:35 AM	28.92	15	0	0	0.3	19.7	--
Evergreen Heights Apartments	GMSG-68	02/16/02	1:07 PM	28.58	32	0	0	0.3	19.7	--
Evergreen Heights Apartments	GMSG-68	03/01/02	1:38 PM	29.07	17	0	0	0.1	20.9	--
Evergreen Heights Apartments	GMSG-68	03/12/02	8:52 AM	28.81	23	T	0	0.2	20.7	--
Evergreen Heights Apartments	GMSG-68	04/15/02	9:16 AM	28.50	65	0	0	0.3	20.2	--
Evergreen Heights Apartments	GMSG-68	05/16/02	10:50 AM	28.73	44	0	0	0.4	20.4	--
Evergreen Heights Apartments	GMSG-68	06/10/02	10:02 AM	28.68	80	0	0	0.5	20.1	--
Evergreen Heights Apartments	GMSG-68	07/22/02	3:21 PM	28.70	81	0	0	0.6	20.4	--
Evergreen Heights Apartments	GMSG-68	07/31/02	10:50 AM	28.73	82	0	0	1	19.9	--
Evergreen Heights Apartments	GMSG-68	09/27/02	12:46 PM	28.70	62	0	0	1.6	19.4	0
Evergreen Heights Apartments	GMSG-68	11/20/02	11:28 AM	28.71	35	0	0	0.6	19.2	0
Evergreen Heights Apartments	GMSG-68	01/28/03	10:18 AM	28.75	18	T	0	0.3	20.5	0
Evergreen Heights Apartments	GMSG-68	04/15/03	2:50 PM	28.59	51	0	0	0.4	19.6	0
Evergreen Heights Apartments	GMSG-68	08/04/03	9:40 AM	28.75	69	0	0	1.3	17.8	0
Evergreen Heights Apartments	GMSG-68	11/01/03	11:05 AM	29.10	35	0	0	1.1	18.4	0
Evergreen Heights Apartments	GMSG-68	01/19/04	2:55 PM	28.92	8	0	0	0.4	18.6	0
Evergreen Heights Apartments	GMSG-68	04/17/04	9:30 AM	28.92	56	0	0	0.5	17.2	0
Evergreen Heights Apartments	GMSG-68	06/14/04	10:52 AM	28.61	66	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	07/13/04	8:15 AM	28.64	71	0	0	1.3	18.1	0
Evergreen Heights Apartments	GMSG-68	10/17/04	2:57 PM	28.65	41	0	0	1.3	18.3	0
Evergreen Heights Apartments	GMSG-68	01/27/05	9:37 AM	29.36	-2	T	--	--	--	0
Evergreen Heights Apartments	GMSG-68	04/01/05	8:18 AM	28.80	42	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	07/05/05	9:15 AM	28.84	60	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Evergreen Heights Apartments	GMSG-68	10/14/05	10:44 AM	28.72	62	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	02/22/06	2:51 PM	28.48	31	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	04/05/06	4:20 PM	28.70	56	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	07/07/06	9:29 AM	29.05	79	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	10/02/06	2:31 PM	28.63	81	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	02/03/07	1:20 PM	28.50	0	T	--	--	--	0
Evergreen Heights Apartments	GMSG-68	04/03/07	10:26 AM	28.67	35	T	--	--	--	0
Evergreen Heights Apartments	GMSG-68	07/17/07	11:19 AM	29.95	79	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	10/22/07	12:18 PM	30.03	51	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	01/11/08	1:55 PM	29.57	34	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	04/24/08	9:19 AM	30.12	58	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	07/16/08	1:41 PM	30.09	79	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	10/02/08	12:58 PM	29.75	52	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	01/23/09	8:52 AM	28.46	23	T	--	--	--	0
Evergreen Heights Apartments	GMSG-68	03/30/09	3:34 PM	28.75	43	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	07/30/09	10:43 AM	28.56	61	T	--	--	--	0
Evergreen Heights Apartments	GMSG-68	10/22/09	9:50 AM	28.87	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	04/20/10	1:40 PM	28.61	71	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	11/01/10	1:28 PM	29.11	49	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	07/10/11	5:27 PM	28.57	85	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	10/26/12	1:11 PM	28.95	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	11/04/13	4:47 PM	28.72	45	T	--	--	--	0
Evergreen Heights Apartments	GMSG-68	08/11/14	10:17 AM	28.65	77	0	--	--	--	0
Evergreen Heights Apartments	GMSG-68	08/11/15	12:08 PM	28.83	72	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	06/20/08	10:34 AM	29.92	78	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	06/23/08	2:56 PM	30.06	75	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	07/02/08	2:09 PM	29.73	71	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	08/29/08	2:33 PM	29.95	76	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	09/16/08	10:20 AM	30.03	65	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	10/02/08	12:52 PM	29.75	52	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	01/23/09	8:45 AM	28.46	23	T	--	--	--	0
Evergreen Heights Apartments	GMSG-655	03/30/09	3:29 PM	28.75	44	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	07/30/09	10:49 AM	28.56	61	T	--	--	--	0
Evergreen Heights Apartments	GMSG-655	10/22/09	9:45 AM	28.87	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	01/19/10	2:15 PM	28.70	23	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	04/20/10	1:35 PM	28.61	71	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Evergreen Heights Apartments	GMSG-655	07/22/10	11:31 AM	28.67	69	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	11/01/10	1:22 PM	29.11	49	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	07/10/11	5:21 PM	28.57	85	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	10/26/12	1:05 PM	28.95	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	11/04/13	4:42 PM	28.72	45	T	--	--	--	0
Evergreen Heights Apartments	GMSG-655	08/11/14	10:11 AM	28.65	77	0	--	--	--	0
Evergreen Heights Apartments	GMSG-655	08/11/15	12:43 PM	28.83	72	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	06/20/08	10:31 AM	29.92	78	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	06/23/08	2:28 PM	30.05	76	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	07/02/08	2:07 PM	29.73	71	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	08/29/08	2:30 PM	29.95	76	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	09/16/08	10:17 AM	30.03	65	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	10/02/08	12:50 PM	29.75	52	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	01/23/09	8:40 AM	28.46	23	T	--	--	--	0
Evergreen Heights Apartments	GMSG-656	03/30/09	3:26 PM	28.75	44	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	07/30/09	10:52 AM	28.56	61	T	--	--	--	0
Evergreen Heights Apartments	GMSG-656	10/22/09	9:42 AM	28.87	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	01/19/10	2:11 PM	28.70	23	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	04/20/10	1:33 PM	28.61	71	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	07/22/10	11:28 AM	28.71	68	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	11/01/10	1:20 PM	29.11	49	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	07/10/11	5:18 PM	28.57	85	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	10/26/12	1:02 PM	28.95	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	11/04/13	4:40 PM	28.72	45	T	--	--	--	0
Evergreen Heights Apartments	GMSG-656	08/11/14	10:05 AM	28.65	77	0	--	--	--	0
Evergreen Heights Apartments	GMSG-656	08/11/15	12:37 PM	28.83	72	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	06/20/08	10:21 AM	29.92	76	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	06/23/08	2:47 PM	30.06	75	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	07/02/08	1:56 PM	29.73	71	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	08/29/08	2:18 PM	29.97	77	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	09/16/08	10:06 AM	30.03	65	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	10/02/08	12:38 PM	29.75	52	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	01/23/09	8:21 AM	28.43	23	T	--	--	--	0
Evergreen Heights Apartments	GMSG-657	03/30/09	3:13 PM	28.75	44	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	07/30/09	11:07 AM	28.56	61	T	--	--	--	0
Evergreen Heights Apartments	GMSG-657	10/22/09	9:28 AM	28.86	38	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Evergreen Heights Apartments	GMSG-657	01/19/10	1:53 PM	28.70	23	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	04/20/10	1:11 PM	28.64	68	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	07/22/10	11:17 AM	28.71	68	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	11/01/10	1:30 PM	29.11	50	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	07/10/11	5:03 PM	28.57	85	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	10/26/12	12:46 PM	28.95	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	11/04/13	4:19 PM	28.71	47	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	08/11/14	9:34 AM	28.65	77	0	--	--	--	0
Evergreen Heights Apartments	GMSG-657	08/11/15	12:14 PM	28.83	72	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	06/20/08	10:25 AM	29.92	76	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	06/23/08	2:42 PM	30.06	75	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	07/02/08	1:59 PM	29.73	71	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	08/29/08	2:22 PM	29.97	77	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	09/16/08	10:09 AM	30.03	65	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	10/02/08	12:41 PM	29.75	52	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	01/23/09	8:29 AM	28.43	23	T	--	--	--	0
Evergreen Heights Apartments	GMSG-658	03/30/09	3:18 PM	28.75	44	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	07/30/09	11:01 AM	28.56	61	T	--	--	--	0
Evergreen Heights Apartments	GMSG-658	10/22/09	9:33 AM	28.87	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	01/19/10	1:58 PM	28.70	23	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	04/20/10	1:25 PM	28.64	68	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	07/22/10	11:20 AM	28.71	68	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	11/01/10	1:12 PM	29.11	49	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	07/10/11	5:09 PM	28.57	85	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	10/26/12	12:53 PM	28.95	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	11/04/13	4:31 PM	28.72	45	T	--	--	--	0
Evergreen Heights Apartments	GMSG-658	08/11/14	9:47 AM	28.65	77	0	--	--	--	0
Evergreen Heights Apartments	GMSG-658	08/11/15	12:23 PM	28.83	72	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	06/20/08	10:27 AM	29.92	76	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	06/23/08	2:37 PM	30.06	75	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	07/02/08	2:01 PM	29.73	71	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	08/29/08	2:24 PM	29.97	77	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	09/16/08	10:11 AM	30.03	65	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	10/02/08	12:44 PM	29.75	52	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	01/23/09	8:31 AM	28.46	23	T	--	--	--	0
Evergreen Heights Apartments	GMSG-659	03/30/09	3:20 PM	28.75	44	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Evergreen Heights Apartments	GMSG-659	07/30/09	10:58 AM	28.56	61	T	--	--	--	0
Evergreen Heights Apartments	GMSG-659	10/22/09	9:36 AM	28.87	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	01/19/10	2:02 PM	28.70	23	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	04/20/10	1:27 PM	28.64	68	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	07/22/10	11:22 AM	28.71	68	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	11/01/10	1:15 PM	29.11	49	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	07/10/11	5:12 PM	28.57	85	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	10/26/12	12:55 PM	28.95	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	11/04/13	4:33 PM	28.72	45	T	--	--	--	0
Evergreen Heights Apartments	GMSG-659	08/11/14	9:53 AM	28.65	77	0	--	--	--	0
Evergreen Heights Apartments	GMSG-659	08/11/15	12:28 PM	28.83	72	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	06/20/08	10:29 AM	29.92	76	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	06/23/08	2:32 PM	30.06	75	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	07/02/08	2:04 PM	29.73	71	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	08/29/08	2:27 PM	29.97	77	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	09/16/08	10:15 AM	30.03	65	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	10/02/08	12:47 PM	29.75	52	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	01/23/09	8:37 AM	28.46	23	T	--	--	--	0
Evergreen Heights Apartments	GMSG-660	03/30/09	3:23 PM	28.75	44	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	07/30/09	10:55 AM	28.56	61	T	--	--	--	0
Evergreen Heights Apartments	GMSG-660	10/22/09	9:39 AM	28.87	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	01/19/10	2:06 PM	28.70	23	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	04/20/10	1:30 PM	28.61	71	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	07/22/10	11:25 AM	28.71	68	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	11/01/10	1:18 PM	29.11	49	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	07/10/11	5:15 PM	28.57	85	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	10/26/12	12:59 PM	28.95	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	11/04/13	4:35 PM	28.72	45	T	--	--	--	0
Evergreen Heights Apartments	GMSG-660	08/11/14	10:00 AM	28.65	77	0	--	--	--	0
Evergreen Heights Apartments	GMSG-660	08/11/15	12:32 PM	28.83	72	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	06/20/08	10:36 AM	29.92	78	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	06/23/08	2:51 PM	30.06	75	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	07/02/08	2:12 PM	29.73	71	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	08/29/08	2:35 PM	29.95	76	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	09/16/08	10:23 AM	30.03	65	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	10/02/08	12:55 PM	29.75	52	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Evergreen Heights Apartments	GMSG-661	01/23/09	8:49 AM	28.46	23	T	--	--	--	0
Evergreen Heights Apartments	GMSG-661	03/30/09	3:32 PM	28.75	43	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	07/30/09	10:48 AM	28.56	61	T	--	--	--	0
Evergreen Heights Apartments	GMSG-661	10/22/09	9:48 AM	28.87	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	01/19/10	2:20 PM	28.70	23	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	04/20/10	1:38 PM	28.61	71	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	07/22/10	11:35 AM	28.67	69	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	11/01/10	1:26 PM	29.11	49	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	07/10/11	5:24 PM	28.57	85	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	10/26/12	1:08 PM	28.95	40	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	11/04/13	4:44 PM	28.72	45	T	--	--	--	0
Evergreen Heights Apartments	GMSG-661	12/30/14	2:25 PM	29.18	7	0	--	--	--	0
Evergreen Heights Apartments	GMSG-661	08/11/15	12:49 PM	28.83	72	0	--	--	--	0
Forever Fitness	GMSG-401	10/14/03	10:47 AM	28.48	52	0	0	1	18.4	0
Forever Fitness	GMSG-401	10/29/03	2:42 PM	28.51	41	0	0	0.6	18.8	0
Forever Fitness	GMSG-401	11/11/03	2:19 PM	28.48	48	0	0	0.8	18.7	0
Forever Fitness	GMSG-401	11/21/03	11:24 AM	28.87	32	0	0	5.9	11.2	--
Forever Fitness	GMSG-401	12/18/03	10:26 AM	28.58	24	0	0	0.5	19	0
Forever Fitness	GMSG-401	01/21/04	10:15 AM	28.43	14	T	0	0.4	18.5	0
Forever Fitness	GMSG-401	04/19/04	7:29 AM	28.44	42	0.01	0	0.4	17.4	0
Forever Fitness	GMSG-401	07/14/04	11:56 AM	28.67	76	0	0	0.9	18.5	0
Forever Fitness	GMSG-401	10/30/04	8:36 AM	27.94	55	0	0	1.1	18.6	0
Forever Fitness	GMSG-401	02/07/05	3:30 PM	28.88	25	0	--	--	--	0
Forever Fitness	GMSG-401	04/04/05	3:33 PM	28.72	55	0	--	--	--	0
Forever Fitness	GMSG-401	07/05/05	11:50 AM	28.88	64	0	--	--	--	0
Forever Fitness	GMSG-401	07/06/05	9:55 AM	28.96	69	0	--	--	--	0
Forever Fitness	GMSG-401	10/11/05	4:44 PM	29.00	55	0	--	--	--	0
Forever Fitness	GMSG-401	03/02/06	2:30 PM	28.80	29	0	--	--	--	0
Forever Fitness	GMSG-401	04/06/06	2:24 PM	28.51	58	0	--	--	--	0
Forever Fitness	GMSG-401	07/13/06	9:24 AM	28.78	83	0	--	--	--	0
Forever Fitness	GMSG-401	10/11/06	9:40 AM	28.08	43	0.04	--	--	--	0
Forever Fitness	GMSG-401	01/31/07	11:56 AM	28.61	15	0	--	--	--	0
Forever Fitness	GMSG-401	04/06/07	11:20 AM	28.76	20	0	--	--	--	0
Forever Fitness	GMSG-401	07/19/07	2:52 PM	30.06	62	T	--	--	--	0
Forever Fitness	GMSG-401	10/17/07	12:14 PM	29.89	57	0	--	--	--	0
Forever Fitness	GMSG-401	01/16/08	11:06 AM	29.95	25	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Forever Fitness	GMSG-401	04/14/08	10:02 AM	30.29	41	0	--	--	--	0
Forever Fitness	GMSG-401	07/09/08	8:44 AM	29.88	67	0	--	--	--	0
Forever Fitness	GMSG-401	10/21/08	2:35 PM	30.41	44	0	--	--	--	0
Forever Fitness	GMSG-401	01/06/09	11:36 AM	28.39	13	0	--	--	--	0
Forever Fitness	GMSG-401	04/02/09	10:20 AM	28.48	36	0	--	--	--	0
Forever Fitness	GMSG-401	07/31/09	9:35 AM	28.65	68	0	--	--	--	0
Forever Fitness	GMSG-401	10/23/09	11:08 AM	28.42	35	0.04	--	--	--	0
Forever Fitness	GMSG-401	04/19/10	1:25 PM	28.92	61	0	--	--	--	0
Forever Fitness	GMSG-401	11/03/10	1:33 PM	28.48	53	0	--	--	--	0
Forever Fitness	GMSG-401	07/08/11	11:53 AM	28.63	81	0	--	--	--	0
Forever Fitness	GMSG-401	10/22/12	2:10 PM	28.72	63	0	--	--	--	0
Forever Fitness	GMSG-401	11/04/13	4:51 PM	28.72	45	T	--	--	--	0
Forever Fitness	GMSG-401	08/12/14	11:24 AM	28.63	60	0	--	--	--	0
Forever Fitness	GMSG-401	08/07/15	11:54 AM	28.64	63	T	--	--	--	0
Forever Fitness	GMSG-402	10/14/03	10:39 AM	28.48	52	0	0	0.5	18.6	0
Forever Fitness	GMSG-402	10/29/03	2:37 PM	28.51	41	0	0	0.3	19	0
Forever Fitness	GMSG-402	11/11/03	2:15 PM	28.48	48	0	0	0.1	19.4	0
Forever Fitness	GMSG-402	12/18/03	10:21 AM	28.58	24	0	0	0.1	19.3	0
Forever Fitness	GMSG-402	01/21/04	10:10 AM	28.43	14	T	0	0.1	18.8	0
Forever Fitness	GMSG-402	04/19/04	7:35 AM	28.50	41	T	0	0.3	17.4	0
Forever Fitness	GMSG-402	07/14/04	11:50 AM	28.67	76	0	0	1.1	18.2	0
Forever Fitness	GMSG-402	10/30/04	8:40 AM	27.94	55	0	0	0.4	19	0
Forever Fitness	GMSG-402	02/07/05	3:21 PM	28.88	27	0	--	--	--	0
Forever Fitness	GMSG-402	04/04/05	3:30 PM	28.72	55	0	--	--	--	0
Forever Fitness	GMSG-402	07/05/05	11:55 AM	28.88	64	0	--	--	--	0
Forever Fitness	GMSG-402	10/11/05	4:40 PM	29.00	55	0	--	--	--	0
Forever Fitness	GMSG-402	03/02/06	2:46 PM	28.80	29	0	--	--	--	0
Forever Fitness	GMSG-402	04/06/06	2:19 PM	28.51	58	0	--	--	--	0
Forever Fitness	GMSG-402	07/13/06	9:13 AM	28.78	83	0	--	--	--	0
Forever Fitness	GMSG-402	10/11/06	9:33 AM	28.08	43	0.04	--	--	--	0
Forever Fitness	GMSG-402	01/31/07	11:41 AM	28.61	15	0	--	--	--	0
Forever Fitness	GMSG-402	04/06/07	11:14 AM	28.76	20	0	--	--	--	0
Forever Fitness	GMSG-402	07/19/07	2:57 PM	30.06	62	T	--	--	--	0
Forever Fitness	GMSG-402	10/17/07	12:07 PM	29.89	57	0	--	--	--	0
Forever Fitness	GMSG-402	01/16/08	11:02 AM	29.95	25	0	--	--	--	0
Forever Fitness	GMSG-402	04/14/08	10:04 AM	30.29	41	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Forever Fitness	GMSG-402	07/09/08	8:46 AM	29.88	67	0	--	--	--	0
Forever Fitness	GMSG-402	10/21/08	2:39 PM	30.41	44	0	--	--	--	0
Forever Fitness	GMSG-402	01/06/09	11:24 AM	28.44	4	0	--	--	--	0
Forever Fitness	GMSG-402	04/02/09	10:16 AM	28.48	36	0	--	--	--	0
Forever Fitness	GMSG-402	07/31/09	9:40 AM	28.65	68	0	--	--	--	0
Forever Fitness	GMSG-402	10/23/09	11:03 AM	28.42	35	0.04	--	--	--	0
Forever Fitness	GMSG-402	04/19/10	12:59 PM	28.92	61	0	--	--	--	0
Forever Fitness	GMSG-402	11/03/10	1:30 PM	28.48	53	0	--	--	--	0
Forever Fitness	GMSG-402	07/08/11	11:59 AM	28.63	81	0	--	--	--	0
Forever Fitness	GMSG-402	10/22/12	2:05 PM	28.72	63	0	--	--	--	0
Forever Fitness	GMSG-402	11/04/13	4:40 PM	28.72	45	T	--	--	--	0
Forever Fitness	GMSG-402	08/12/14	11:15 AM	28.63	60	0	--	--	--	0
Forever Fitness	GMSG-402	08/07/15	11:46 AM	28.64	63	T	--	--	--	0
Forever Fitness	GMSG-553	12/07/05	11:36 AM	29.26	22	0	--	--	--	0
Forever Fitness	GMSG-553	12/13/05	2:57 PM	28.88	24	0	--	--	--	0
Forever Fitness	GMSG-553	12/20/05	11:58 AM	28.92	22	0	--	--	--	0
Forever Fitness	GMSG-553	03/02/06	2:39 PM	28.80	29	0	--	--	--	0
Forever Fitness	GMSG-553	03/10/06	9:40 AM	28.47	37	0	--	--	--	0
Forever Fitness	GMSG-553	04/06/06	2:22 PM	28.51	58	0	--	--	--	0
Forever Fitness	GMSG-553	05/16/06	8:37 AM	28.64	61	0	--	--	--	0
Forever Fitness	GMSG-553	07/13/06	9:20 AM	28.78	83	0	--	--	--	0
Forever Fitness	GMSG-553	10/11/06	9:38 AM	28.08	43	0.04	--	--	--	0
Forever Fitness	GMSG-553	01/31/07	11:59 AM	28.61	15	0	--	--	--	0
Forever Fitness	GMSG-553	04/06/07	11:23 AM	28.76	20	0	--	--	--	0
Forever Fitness	GMSG-553	07/19/07	2:54 PM	30.06	62	T	--	--	--	0
Forever Fitness	GMSG-553	10/17/07	12:10 PM	29.89	57	0	--	--	--	0
Forever Fitness	GMSG-553	01/16/08	2:35 PM	29.90	28	0	--	--	--	0
Forever Fitness	GMSG-553	04/14/08	10:14 AM	30.29	41	0	--	--	--	0
Forever Fitness	GMSG-553	07/09/08	8:42 AM	29.88	67	0	--	--	--	0
Forever Fitness	GMSG-553	10/21/08	2:37 PM	30.41	44	0	--	--	--	0
Forever Fitness	GMSG-553	01/06/09	11:30 AM	28.39	13	0	--	--	--	0
Forever Fitness	GMSG-553	04/02/09	10:17 AM	28.48	36	0	--	--	--	0
Forever Fitness	GMSG-553	07/31/09	9:37 AM	28.65	68	0	--	--	--	0
Forever Fitness	GMSG-553	10/23/09	11:05 AM	28.42	35	0.04	--	--	--	0
Forever Fitness	GMSG-553	04/19/10	1:20 PM	28.92	61	0	--	--	--	0
Forever Fitness	GMSG-553	11/03/10	1:31 PM	28.48	53	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Forever Fitness	GMSG-553	07/08/11	11:55 AM	28.63	81	0	--	--	--	0
Forever Fitness	GMSG-553	10/22/12	2:12 PM	28.72	63	0	--	--	--	0
Forever Fitness	GMSG-553	11/04/13	4:48 PM	28.72	45	T	--	--	--	0
Forever Fitness	GMSG-553	08/12/14	11:20 AM	28.63	60	0	--	--	--	0
Forever Fitness	GMSG-553	08/07/15	11:57 AM	28.64	63	T	--	--	--	0
Forever Fitness	GMSG-554	12/07/05	11:31 AM	29.26	22	0	--	--	--	0
Forever Fitness	GMSG-554	12/13/05	2:51 PM	28.88	24	0	--	--	--	0
Forever Fitness	GMSG-554	12/20/05	12:06 PM	28.92	22	0	--	--	--	0
Forever Fitness	GMSG-554	02/17/06	2:20 PM	29.12	6	T	--	--	--	0
Forever Fitness	GMSG-554	03/10/06	9:36 AM	28.47	37	0	--	--	--	0
Forever Fitness	GMSG-554	04/06/06	2:17 PM	28.51	58	0	--	--	--	0
Forever Fitness	GMSG-554	07/13/06	9:28 AM	28.78	83	0	--	--	--	0
Forever Fitness	GMSG-554	10/11/06	9:30 AM	28.08	43	0.04	--	--	--	0
Forever Fitness	GMSG-554	01/31/07	11:49 AM	28.61	15	0	--	--	--	0
Forever Fitness	GMSG-554	04/06/07	11:17 AM	28.76	20	0	--	--	--	0
Forever Fitness	GMSG-554	07/19/07	2:59 PM	30.06	62	T	--	--	--	0
Forever Fitness	GMSG-554	10/17/07	12:04 PM	29.89	57	0	--	--	--	0
Forever Fitness	GMSG-554	01/16/08	11:09 AM	29.95	25	0	--	--	--	0
Forever Fitness	GMSG-554	04/14/08	10:06 AM	30.29	41	0	--	--	--	0
Forever Fitness	GMSG-554	07/09/08	8:49 AM	29.88	67	0	--	--	--	0
Forever Fitness	GMSG-554	10/21/08	2:32 PM	30.41	44	0	--	--	--	0
Forever Fitness	GMSG-554	01/06/09	11:17 AM	28.44	4	0	--	--	--	0
Forever Fitness	GMSG-554	04/02/09	10:14 AM	28.48	36	0	--	--	--	0
Forever Fitness	GMSG-554	07/31/09	9:32 AM	28.65	68	0	--	--	--	0
Forever Fitness	GMSG-554	10/23/09	11:01 AM	28.42	35	0.04	--	--	--	0
Forever Fitness	GMSG-554	04/19/10	12:57 PM	28.92	61	0	--	--	--	0
Forever Fitness	GMSG-554	11/03/10	1:28 PM	28.48	55	0	--	--	--	0
Forever Fitness	GMSG-554	07/08/11	11:50 AM	28.63	81	0	--	--	--	0
Forever Fitness	GMSG-554	10/22/12	2:07 PM	28.72	63	0	--	--	--	0
Forever Fitness	GMSG-554	11/04/13	4:42 PM	28.72	45	T	--	--	--	0
Forever Fitness	GMSG-554	08/12/14	11:28 AM	28.63	60	0	--	--	--	0
Forever Fitness	GMSG-554	08/07/15	11:49 AM	28.64	63	T	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	06/23/06	10:17 AM	29.02	67	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	06/27/06	9:23 AM	28.74	67	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	07/05/06	12:26 PM	28.93	67	T	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	07/14/06	10:11 AM	28.68	70	0.06	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Former Kingsford Broach & Tool	GMSG-600	08/04/06	1:39 PM	28.90	82	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	09/06/06	3:14 PM	28.87	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	10/10/06	9:29 AM	28.97	40	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	02/02/07	10:25 AM	28.32	2	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	04/09/07	9:44 AM	28.85	31	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	07/20/07	2:02 PM	30.21	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	10/19/07	9:46 AM	28.98	53	T	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	01/25/08	11:01 AM	30.19	14	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	04/28/08	12:43 PM	30.06	36	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	07/16/08	10:40 AM	30.12	82	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	10/14/08	11:01 AM	30.18	51	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	01/28/09	11:37 AM	28.52	9	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	04/24/09	10:08 AM	28.42	66	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	05/18/09	2:39 PM	28.75	68	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	07/29/09	2:56 PM	28.56	70	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	10/20/09	9:41 AM	28.82	44	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	04/26/10	1:23 PM	28.43	60	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	11/09/10	12:23 PM	28.74	55	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	07/10/11	2:23 PM	28.58	88	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	10/29/12	2:28 PM	29.01	46	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	11/11/13	11:00 AM	28.93	25	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	08/24/14	3:09 PM	28.75	78	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-600	08/03/15	11:03 AM	28.50	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	06/23/06	10:22 AM	29.02	67	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	06/27/06	9:28 AM	28.74	67	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	07/05/06	12:32 PM	28.92	72	T	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	07/14/06	10:22 AM	28.68	70	0.06	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	08/04/06	1:45 PM	28.90	82	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	09/06/06	3:08 PM	28.87	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	10/10/06	9:33 AM	28.95	46	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	02/02/07	10:02 AM	28.32	2	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	04/09/07	9:41 AM	28.85	31	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	07/20/07	2:00 PM	30.21	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	10/19/07	9:40 AM	28.98	53	T	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	01/25/08	10:55 AM	30.19	14	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	04/28/08	12:40 PM	30.06	36	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Former Kingsford Broach & Tool	GMSG-601	07/16/08	10:37 AM	30.12	82	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	10/14/08	11:04 AM	30.18	51	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	04/21/09	2:50 PM	28.30	35	T	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	07/29/09	3:17 PM	28.56	70	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	10/20/09	9:38 AM	28.82	44	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	04/26/10	1:21 PM	28.43	60	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	11/09/10	12:21 PM	28.74	55	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	07/10/11	2:28 PM	28.58	88	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	10/29/12	2:30 PM	29.01	46	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	11/11/13	11:00 AM	28.93	25	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	08/24/14	3:13 PM	28.75	78	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-601	08/03/15	11:08 AM	28.50	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	06/23/06	10:10 AM	29.02	67	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	06/27/06	9:17 AM	28.74	67	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	07/05/06	9:27 AM	28.93	-	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	07/14/06	10:05 AM	28.68	70	0.06	--	--	--	3
Former Kingsford Broach & Tool	GMSG-602	08/04/06	1:34 PM	28.90	82	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	09/06/06	3:19 PM	28.87	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	10/10/06	9:18 AM	28.97	40	0	--	--	--	5
Former Kingsford Broach & Tool	GMSG-602	02/02/07	10:34 AM	28.32	4	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	04/09/07	9:46 AM	28.85	31	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	07/20/07	2:04 PM	30.21	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	10/19/07	9:52 AM	28.98	53	T	0.2	17.7	0	5
Former Kingsford Broach & Tool	GMSG-602	01/25/08	11:10 AM	30.19	14	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	04/28/08	12:45 PM	30.06	36	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	07/16/08	10:43 AM	30.12	82	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	10/14/08	10:58 AM	30.18	51	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	01/28/09	11:44 AM	28.52	9	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	04/21/09	3:02 PM	28.30	35	T	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	07/29/09	2:59 PM	28.56	70	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	10/20/09	9:36 AM	28.82	44	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	04/26/10	1:25 PM	28.43	60	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	11/09/10	12:26 PM	28.74	55	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	10/29/12	2:35 PM	29.01	46	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	11/11/13	11:00 AM	28.93	25	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-602	08/24/14	3:19 PM	28.75	78	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Former Kingsford Broach & Tool	GMSG-602	08/03/15	11:00 AM	28.50	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	07/21/06	11:40 AM	28.91	72	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	07/28/06	9:07 AM	28.70	70	0.05	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	08/04/06	1:29 PM	28.91	81	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	09/06/06	3:22 PM	28.87	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	10/10/06	9:23 AM	28.97	40	0	--	--	--	3
Former Kingsford Broach & Tool	GMSG-603	11/15/06	12:57 PM	28.74	42	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	02/02/07	10:40 AM	28.32	4	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	04/09/07	9:48 AM	28.85	31	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	07/24/07	9:41 AM	30.04	79	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	10/19/07	9:57 AM	28.98	53	T	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	01/25/08	11:17 AM	30.19	14	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	04/28/08	12:47 PM	30.06	36	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	07/16/08	10:45 AM	30.12	82	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	10/14/08	10:56 AM	30.18	51	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	01/28/09	11:57 AM	28.52	9	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	04/21/09	2:58 PM	28.30	35	T	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	07/29/09	3:03 PM	28.56	70	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	10/20/09	9:34 AM	28.82	44	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	04/26/10	1:27 PM	28.43	60	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	11/09/10	12:28 PM	28.74	55	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	07/10/11	2:44 PM	28.59	87	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	10/29/12	2:37 PM	29.01	46	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	11/11/13	9:30 AM	28.92	25	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	08/24/14	3:23 PM	28.75	78	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-603	08/03/15	11:16 AM	28.50	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	07/21/06	11:47 AM	28.91	72	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	07/28/06	9:13 AM	28.70	70	0.05	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	08/04/06	1:50 PM	28.90	82	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	09/06/06	3:04 PM	28.87	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	10/10/06	9:37 AM	28.95	46	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	11/15/06	1:00 PM	28.74	42	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	02/02/07	10:06 AM	28.32	2	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	04/09/07	9:39 AM	28.85	31	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	07/20/07	1:58 PM	30.21	73	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	10/19/07	9:36 AM	28.98	53	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Former Kingsford Broach & Tool	GMSG-604	01/25/08	10:51 AM	30.19	14	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	04/28/08	12:38 PM	30.06	36	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	07/16/08	10:35 AM	30.12	82	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	10/14/08	11:06 AM	30.18	51	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	01/28/09	11:27 AM	28.55	7	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	04/21/09	2:54 PM	28.30	35	T	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	07/29/09	3:14 PM	28.56	70	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	10/20/09	9:43 AM	28.82	44	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	04/26/10	1:19 PM	28.43	60	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	11/09/10	12:19 PM	28.74	55	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	07/10/11	2:53 PM	28.59	87	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	10/29/12	2:32 PM	29.01	46	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	11/11/13	9:30 AM	28.92	25	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	09/30/14	1:35 PM	28.79	57	0	--	--	--	0
Former Kingsford Broach & Tool	GMSG-604	08/03/15	11:12 AM	28.50	73	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	07/13/02	10:08 AM	28.79	79	0	0	0.6	18.6	0
Four Seasons Beer Distribution	GMSG-73	07/22/02	9:00 AM	28.65	78	0	0	0.6	20	0
Four Seasons Beer Distribution	GMSG-73	08/12/02	8:25 AM	28.69	70	0	0	1.2	19.4	0
Four Seasons Beer Distribution	GMSG-73	10/18/02	12:28 PM	28.48	33	0.04	0	1	18.6	0
Four Seasons Beer Distribution	GMSG-73	01/23/03	1:38 PM	29.17	10	0	0	0.4	20.2	0
Four Seasons Beer Distribution	GMSG-73	01/30/03	10:53 AM	28.75	26	0	0	0.6	19.4	0
Four Seasons Beer Distribution	GMSG-73	02/06/03	12:09 PM	28.91	17	0	0	0.4	20.4	0
Four Seasons Beer Distribution	GMSG-73	03/04/03	1:03 PM	28.63	14	T	0	0.5	19.6	0
Four Seasons Beer Distribution	GMSG-73	04/03/03	10:33 AM	28.86	25	T	0	0.5	19.8	0
Four Seasons Beer Distribution	GMSG-73	05/01/03	12:29 PM	28.68	64	0	0	0.4	19.5	0
Four Seasons Beer Distribution	GMSG-73	08/05/03	11:58 AM	28.71	80	0	0	0.7	18.5	0
Four Seasons Beer Distribution	GMSG-73	11/03/03	10:10 AM	29.06	35	0	0	0.7	18.6	0
Four Seasons Beer Distribution	GMSG-73	01/20/04	11:34 AM	29.05	13	0	0	0.9	18	0
Four Seasons Beer Distribution	GMSG-73	04/18/04	10:37 AM	28.60	49	0.01	0	0.4	17	0
Four Seasons Beer Distribution	GMSG-73	07/14/04	3:30 PM	28.67	78	0	0	0.5	18.5	0
Four Seasons Beer Distribution	GMSG-73	10/30/04	10:55 AM	27.95	49	T	0	0.7	19	0
Four Seasons Beer Distribution	GMSG-73	02/01/05	2:27 PM	29.10	34	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	04/05/05	10:50 AM	28.58	65	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	07/01/05	10:58 AM	28.66	59	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	10/14/05	3:05 PM	28.62	68	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	03/14/06	3:12 PM	28.63	25	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Four Seasons Beer Distribution	GMSG-73	04/14/06	1:49 PM	28.35	72	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	07/17/06	10:32 AM	28.59	89	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	10/10/06	8:43 AM	28.97	40	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	02/02/07	8:26 AM	28.33	2	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	04/09/07	9:08 AM	28.86	28	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	07/20/07	10:29 AM	30.24	67	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	10/23/07	10:46 AM	29.85	50	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	01/25/08	2:38 PM	30.11	29	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	04/29/08	2:19 PM	30.04	44	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	07/22/08	11:37 AM	30.09	75	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	10/22/08	1:37 PM	30.44	48	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	01/29/09	1:20 PM	28.42	15	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	04/24/09	10:44 AM	28.39	72	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	10/30/09	12:25 PM	28.03	58	0.01	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	04/30/10	10:15 AM	28.17	62	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	11/05/10	3:47 PM	28.77	34	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	07/10/11	4:10 PM	28.58	88	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	11/02/12	2:25 PM	28.83	37	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	11/11/13	3:30 PM	29.01	24	T	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	08/21/14	1:28 PM	28.70	69	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-73	08/07/15	11:26 AM	28.64	62	T	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	07/13/02	10:15 AM	28.79	79	0	0	0.9	18	0
Four Seasons Beer Distribution	GMSG-74	07/22/02	9:08 AM	28.65	78	0	0	1.2	19.1	0
Four Seasons Beer Distribution	GMSG-74	08/12/02	8:35 AM	28.64	67	0.08	0	1.5	18.8	0
Four Seasons Beer Distribution	GMSG-74	10/18/02	12:36 PM	28.46	33	0.04	0	1.4	18.1	0
Four Seasons Beer Distribution	GMSG-74	01/23/03	1:44 PM	29.17	10	0	0	0.6	19.8	0
Four Seasons Beer Distribution	GMSG-74	01/30/03	11:01 AM	28.75	26	0	0	1.2	18.7	0
Four Seasons Beer Distribution	GMSG-74	02/06/03	11:59 AM	28.91	17	0	0	0.6	20	0
Four Seasons Beer Distribution	GMSG-74	03/04/03	12:55 PM	28.63	14	T	0	0.9	19.2	0
Four Seasons Beer Distribution	GMSG-74	04/03/03	10:26 AM	28.89	25	0.01	0	0.6	19.4	0
Four Seasons Beer Distribution	GMSG-74	05/01/03	12:34 PM	28.69	66	0	0	0.7	19.1	0
Four Seasons Beer Distribution	GMSG-74	08/05/03	12:06 PM	28.71	80	0	0	0.9	18	0
Four Seasons Beer Distribution	GMSG-74	10/28/03	11:36 AM	28.10	44	T	0	1.3	18	0
Four Seasons Beer Distribution	GMSG-74	10/30/03	1:21 PM	28.61	43	T	--	--	--	--
Four Seasons Beer Distribution	GMSG-74	11/12/03	9:15 AM	28.37	37	0	--	--	--	--
Four Seasons Beer Distribution	GMSG-74	11/24/03	2:06 PM	28.33	17	T	--	--	--	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Four Seasons Beer Distribution	GMSG-74	12/08/03	10:53 AM	28.66	37	0	--	--	--	--
Four Seasons Beer Distribution	GMSG-74	12/15/03	1:44 PM	28.50	25	0	--	--	--	--
Four Seasons Beer Distribution	GMSG-74	01/20/04	11:24 AM	29.07	9	0	0	0.7	18.3	0
Four Seasons Beer Distribution	GMSG-74	04/18/04	10:26 AM	28.57	45	T	0	0.4	16.8	0
Four Seasons Beer Distribution	GMSG-74	07/14/04	3:38 PM	28.67	78	0	0	1	18.3	0
Four Seasons Beer Distribution	GMSG-74	10/30/04	11:05 AM	27.95	49	T	0	1.2	18.4	0
Four Seasons Beer Distribution	GMSG-74	02/01/05	1:47 PM	29.10	34	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	04/05/05	10:55 AM	28.58	65	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	07/01/05	11:03 AM	28.66	59	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	10/14/05	3:00 PM	28.62	68	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	03/01/06	10:59 AM	28.76	23	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	04/14/06	1:45 PM	28.35	72	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	07/17/06	10:25 AM	28.56	83	T	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	10/16/06	11:10 AM	28.66	45	0.02	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	02/02/07	8:21 AM	28.33	2	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	04/09/07	9:04 AM	28.86	28	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	07/20/07	10:26 AM	30.24	67	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	10/23/07	10:40 AM	29.85	50	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	01/25/08	2:30 PM	30.11	29	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	04/29/08	2:22 PM	30.04	44	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	07/22/08	11:41 AM	30.09	75	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	10/22/08	1:41 PM	30.44	48	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	01/29/09	1:27 PM	28.42	15	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	04/24/09	10:51 AM	28.39	72	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	10/30/09	12:30 PM	28.00	60	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	04/30/10	10:18 AM	28.17	62	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	11/05/10	3:43 PM	28.77	34	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	07/10/11	4:05 PM	28.58	88	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	11/02/12	2:40 PM	28.85	35	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	11/11/13	3:00 PM	28.98	25	T	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	08/21/14	1:25 PM	28.70	69	0	--	--	--	0
Four Seasons Beer Distribution	GMSG-74	08/07/15	11:34 AM	28.64	63	T	--	--	--	0
Freeman's Convalescence Home	GMSG-23	06/13/99	8:00 AM	28.83	64	0	0	3.4	16.8	--
Freeman's Convalescence Home	GMSG-23	06/16/99	8:09 AM	28.96	45	T	0	3.1	16.7	--
Freeman's Convalescence Home	GMSG-23	06/17/99	2:40 PM	28.97	67	0	0	2.2	18	--
Freeman's Convalescence Home	GMSG-23	06/18/99	12:00 PM	29.01	74	0	0	3	17.3	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Freeman's Convalescence Home	GMSG-23	06/19/99	2:45 PM	28.99	69	0	0	3.2	17.2	--
Freeman's Convalescence Home	GMSG-23	06/20/99	2:45 PM	28.98	73	0	0	3.2	17.2	--
Freeman's Convalescence Home	GMSG-23	07/10/99	5:14 PM	28.91	73	0	0	3.3	17	--
Freeman's Convalescence Home	GMSG-23	07/27/99	3:01 PM	28.71	81	0	0	3.2	17.1	--
Freeman's Convalescence Home	GMSG-23	08/07/99	3:07 PM	28.49	78	0	0	3.8	16.9	--
Freeman's Convalescence Home	GMSG-23	09/02/99	3:29 PM	28.78	87	0	--	--	--	--
Freeman's Convalescence Home	GMSG-23	09/14/99	3:51 PM	28.66	56	0	0	1.5	19.1	--
Freeman's Convalescence Home	GMSG-23	09/20/99	3:20 PM	28.89	49	T	0	1.8	18.8	--
Freeman's Convalescence Home	GMSG-23	09/24/99	9:12 AM	28.69	51	0	0	2.2	18.4	--
Freeman's Convalescence Home	GMSG-23	10/06/99	11:40 AM	29.04	42	0	0	3	17.6	--
Freeman's Convalescence Home	GMSG-23	10/27/99	8:19 AM	28.98	32	0	0	2.3	18.3	--
Freeman's Convalescence Home	GMSG-23	11/05/99	12:19 PM	28.73	53	0	0	1.3	19.4	--
Freeman's Convalescence Home	GMSG-23	11/09/99	12:51 PM	28.42	72	0	0	3.1	17	--
Freeman's Convalescence Home	GMSG-23	12/09/99	3:13 PM	28.73	35	0	0	2.7	17.9	--
Freeman's Convalescence Home	GMSG-23	03/17/00	1:00 PM	29.18	27	0	0	2.9	17.7	--
Freeman's Convalescence Home	GMSG-23	04/03/00	9:03 AM	28.34	41	0	0	2.7	15.8	--
Freeman's Convalescence Home	GMSG-23	10/10/00	3:28 PM	28.79	67	0	0	3	17.9	--
Freeman's Convalescence Home	GMSG-23	05/20/01	9:58 AM	28.64	73	0	0	2.5	17.1	--
Freeman's Convalescence Home	GMSG-23	09/11/01	3:07 PM	28.96	64	T	0	2.4	18.1	--
Freeman's Convalescence Home	GMSG-23	09/24/01	3:13 PM	29.08	49	0	0	2	18.5	--
Freeman's Convalescence Home	GMSG-23	10/21/01	9:31 AM	28.82	46	0	0	0.5	18.5	--
Freeman's Convalescence Home	GMSG-23	11/13/01	8:51 AM	28.81	41	0.01	0	2.2	18.5	--
Freeman's Convalescence Home	GMSG-23	02/13/02	9:05 AM	28.94	11	0	0	1.9	18.5	--
Freeman's Convalescence Home	GMSG-23	06/26/02	9:15 AM	28.61	74	0	0	2.9	18	--
Freeman's Convalescence Home	GMSG-23	09/27/02	12:33 PM	28.70	62	0	0	2.7	18.3	3
Freeman's Convalescence Home	GMSG-23	11/20/02	10:58 AM	28.71	35	0	0	2.5	17.7	0
Freeman's Convalescence Home	GMSG-23	01/28/03	10:43 AM	28.74	21	T	0	2.1	18	0
Freeman's Convalescence Home	GMSG-23	04/15/03	2:13 PM	28.58	54	0	0	2.4	18	0
Freeman's Convalescence Home	GMSG-23	08/04/03	8:58 AM	28.75	65	0	0	2.6	17.1	0
Freeman's Convalescence Home	GMSG-23	11/01/03	10:00 AM	29.11	35	0	0	1.3	18.3	0
Freeman's Convalescence Home	GMSG-23	01/19/04	2:30 PM	28.92	8	0	0	1.3	17.5	0
Freeman's Convalescence Home	GMSG-23	04/16/04	4:55 PM	28.70	66	T	0	2	17.6	0
Freeman's Convalescence Home	GMSG-23	07/13/04	8:05 AM	28.64	71	0	0	2.3	17.6	0
Freeman's Convalescence Home	GMSG-23	10/17/04	2:15 PM	28.63	43	0	0	1.4	18.5	0
Freeman's Convalescence Home	GMSG-23	01/26/05	11:51 AM	28.99	14	T	--	--	--	0
Freeman's Convalescence Home	GMSG-23	04/01/05	8:08 AM	28.80	42	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Freeman's Convalescence Home	GMSG-23	07/05/05	8:55 AM	28.84	60	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	10/13/05	3:38 PM	28.79	57	0.02	--	--	--	0
Freeman's Convalescence Home	GMSG-23	02/22/06	1:42 PM	28.50	30	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	04/03/06	10:03 AM	28.58	40	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	07/06/06	3:16 PM	29.01	82	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	10/02/06	10:15 AM	28.66	70	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	01/02/07	10:13 AM	28.96	29	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	04/03/07	10:06 AM	28.67	35	T	--	--	--	0
Freeman's Convalescence Home	GMSG-23	07/17/07	10:44 AM	29.95	79	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	10/18/07	11:41 AM	29.22	65	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	01/03/08	12:39 PM	30.11	20	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	04/23/08	12:51 PM	30.18	72	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	07/09/08	1:43 PM	29.89	75	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	10/02/08	1:35 PM	29.75	53	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	01/23/09	9:19 AM	28.46	23	T	--	--	--	0
Freeman's Convalescence Home	GMSG-23	03/30/09	1:01 PM	28.77	41	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	07/30/09	9:00 AM	28.56	60	T	--	--	--	0
Freeman's Convalescence Home	GMSG-23	10/19/09	10:49 AM	28.49	58	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	04/23/10	9:53 AM	28.64	60	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	10/28/10	1:40 PM	28.74	40	T	--	--	--	0
Freeman's Convalescence Home	GMSG-23	07/10/11	8:48 AM	28.60	79	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	10/26/12	1:42 PM	28.95	41	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	11/09/13	8:40 AM	28.35	40	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	08/14/14	2:40 PM	28.80	73	0	--	--	--	0
Freeman's Convalescence Home	GMSG-23	08/07/15	1:15 PM	28.64	65	T	--	--	--	0
Freeman's Convalescence Home	GMSG-63	02/13/02	8:57 AM	28.94	11	0	0	1	19.5	--
Freeman's Convalescence Home	GMSG-63	02/16/02	12:56 PM	28.58	32	0	0	0.9	19.2	--
Freeman's Convalescence Home	GMSG-63	03/01/02	2:15 PM	29.07	17	0	0	0.6	20.4	--
Freeman's Convalescence Home	GMSG-63	03/12/02	8:27 AM	28.82	13	0	0	1.3	19.5	--
Freeman's Convalescence Home	GMSG-63	04/15/02	9:00 AM	28.50	65	0	0	1.3	19.2	--
Freeman's Convalescence Home	GMSG-63	05/16/02	10:32 AM	28.73	44	0	0	1.4	19.6	--
Freeman's Convalescence Home	GMSG-63	09/27/02	12:26 PM	28.71	61	0	0	1.3	19.4	0
Freeman's Convalescence Home	GMSG-63	11/20/02	11:08 AM	28.71	35	0	0	1.3	18.8	0
Freeman's Convalescence Home	GMSG-63	01/28/03	10:55 AM	28.74	21	T	0	1.1	19.3	0
Freeman's Convalescence Home	GMSG-63	04/15/03	2:21 PM	28.58	54	0	0	1.2	18.8	0
Freeman's Convalescence Home	GMSG-63	08/04/03	9:07 AM	28.75	65	0	0	1.2	18.2	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Freeman's Convalescence Home	GMSG-63	11/01/03	10:16 AM	29.11	35	0	0	0.7	19.1	0
Freeman's Convalescence Home	GMSG-63	01/29/04	10:00 AM	28.80	-5	0	0	1.3	17.7	0
Freeman's Convalescence Home	GMSG-63	04/16/04	4:45 PM	28.70	66	T	0	0.8	18.3	0
Freeman's Convalescence Home	GMSG-63	07/13/04	7:55 AM	28.64	71	0	0	1.1	18.3	0
Freeman's Convalescence Home	GMSG-63	10/17/04	2:06 PM	28.63	43	0	0	1.1	18.9	0
Freeman's Convalescence Home	GMSG-63	01/26/05	11:40 AM	28.99	14	T	0	0.6	20.6	0
Freeman's Convalescence Home	GMSG-63	04/01/05	8:04 AM	28.80	42	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	07/05/05	8:35 AM	28.84	60	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	10/13/05	3:31 PM	28.79	57	0.02	--	--	--	0
Freeman's Convalescence Home	GMSG-63	02/22/06	1:37 PM	28.50	30	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	04/03/06	9:54 AM	28.58	40	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	07/06/06	3:25 PM	29.01	82	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	10/02/06	10:08 AM	28.66	70	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	01/02/07	10:03 AM	28.96	29	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	04/03/07	9:57 AM	28.67	35	T	--	--	--	0
Freeman's Convalescence Home	GMSG-63	07/17/07	10:36 AM	29.95	79	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	10/18/07	11:28 AM	29.23	62	0.01	--	--	--	0
Freeman's Convalescence Home	GMSG-63	01/03/08	12:21 PM	30.18	18	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	04/23/08	12:44 PM	30.18	72	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	07/09/08	1:36 PM	29.89	75	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	10/02/08	1:26 PM	29.75	52	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	01/23/09	9:05 AM	28.46	23	T	--	--	--	0
Freeman's Convalescence Home	GMSG-63	03/30/09	12:54 PM	28.77	41	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	07/30/09	8:51 AM	28.56	60	T	--	--	--	0
Freeman's Convalescence Home	GMSG-63	10/19/09	10:42 AM	28.49	58	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	04/23/10	9:40 AM	28.64	60	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	10/28/10	1:34 PM	28.74	40	T	--	--	--	0
Freeman's Convalescence Home	GMSG-63	07/10/11	8:54 AM	28.60	79	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	10/26/12	1:35 PM	28.95	41	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	11/09/13	8:40 AM	28.35	40	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	08/14/14	2:32 PM	28.80	73	0	--	--	--	0
Freeman's Convalescence Home	GMSG-63	08/07/15	1:09 PM	28.64	65	T	--	--	--	0
Freeman's Convalescence Home	GMSG-445	06/06/05	10:52 AM	28.50	71	0	--	--	--	3
Freeman's Convalescence Home	GMSG-445	06/06/05	12:11 PM	28.50	74	0	0	0.7	19.2	--
Freeman's Convalescence Home	GMSG-445	06/06/05	12:12 PM	28.50	74	0	--	--	--	--
Freeman's Convalescence Home	GMSG-445	06/08/05	8:18 AM	28.64	54	0	--	--	--	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Freeman's Convalescence Home	GMSG-445	06/08/05	8:19 AM	28.64	54	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	06/13/05	9:48 AM	28.56	77	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	06/21/05	11:16 AM	28.88	81	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	07/09/05	11:50 AM	28.88	86	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	08/01/05	1:16 PM	28.85	85	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	09/12/05	10:40 AM	28.76	87	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	10/13/05	3:20 PM	28.79	58	T	--	--	--	0
Freeman's Convalescence Home	GMSG-445	02/22/06	11:33 AM	28.52	28	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	04/03/06	9:52 AM	28.58	40	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	07/06/06	3:21 PM	29.01	82	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	10/02/06	10:03 AM	28.66	70	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	01/02/07	10:00 AM	28.96	29	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	04/03/07	9:54 AM	28.67	35	T	--	--	--	0
Freeman's Convalescence Home	GMSG-445	07/17/07	10:31 AM	29.95	79	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	10/18/07	11:33 AM	29.22	65	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	01/03/08	12:15 PM	30.18	18	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	04/23/08	12:53 PM	30.18	72	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	07/09/08	1:33 PM	29.89	75	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	10/02/08	1:23 PM	29.75	52	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	01/23/09	9:00 AM	28.46	23	T	--	--	--	0
Freeman's Convalescence Home	GMSG-445	03/30/09	12:52 PM	28.77	41	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	07/27/09	4:24 PM	28.48	78	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	10/19/09	10:39 AM	28.49	58	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	04/23/10	9:37 AM	28.64	60	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	10/28/10	1:32 PM	28.74	40	T	--	--	--	0
Freeman's Convalescence Home	GMSG-445	07/10/11	8:46 AM	28.60	79	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	10/26/12	1:38 PM	28.95	41	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	11/09/13	8:40 AM	28.35	40	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	08/14/14	2:37 PM	28.80	73	0	--	--	--	0
Freeman's Convalescence Home	GMSG-445	08/07/15	1:12 PM	28.64	65	T	--	--	--	0
Freeman's Convalescence Home	GMSG-446	06/06/05	10:47 AM	28.50	71	0	--	--	--	3
Freeman's Convalescence Home	GMSG-446	06/06/05	11:55 AM	28.50	74	0	0	0.3	19.2	--
Freeman's Convalescence Home	GMSG-446	06/06/05	11:59 AM	28.50	74	0	--	--	--	--
Freeman's Convalescence Home	GMSG-446	06/08/05	8:10 AM	28.64	54	0	--	--	--	--
Freeman's Convalescence Home	GMSG-446	06/08/05	8:11 AM	28.64	54	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	06/13/05	9:43 AM	28.56	77	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Freeman's Convalescence Home	GMSG-446	06/21/05	11:20 AM	28.88	81	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	07/09/05	11:57 AM	28.88	86	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	08/01/05	1:19 PM	28.85	85	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	09/12/05	10:45 AM	28.76	87	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	10/13/05	3:37 PM	28.79	57	0.02	--	--	--	0
Freeman's Convalescence Home	GMSG-446	02/22/06	11:53 AM	28.52	28	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	04/03/06	10:01 AM	28.58	40	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	07/06/06	3:12 PM	29.01	82	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	10/02/06	10:13 AM	28.66	70	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	01/02/07	10:09 AM	28.96	29	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	04/03/07	10:03 AM	28.67	35	T	--	--	--	0
Freeman's Convalescence Home	GMSG-446	07/17/07	10:42 AM	29.95	79	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	10/18/07	11:45 AM	29.22	65	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	01/03/08	12:32 PM	30.11	20	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	04/23/08	12:49 PM	30.18	72	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	07/09/08	1:41 PM	29.89	75	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	10/02/08	1:32 PM	29.75	53	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	01/23/09	9:15 AM	28.46	23	T	--	--	--	0
Freeman's Convalescence Home	GMSG-446	03/30/09	12:59 PM	28.77	41	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	07/30/09	8:58 AM	28.56	60	T	--	--	--	0
Freeman's Convalescence Home	GMSG-446	10/19/09	10:47 AM	28.49	58	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	04/23/10	9:49 AM	28.64	60	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	10/28/10	1:39 PM	28.74	40	T	--	--	--	0
Freeman's Convalescence Home	GMSG-446	07/10/11	8:50 AM	28.60	79	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	10/26/12	1:45 PM	28.95	41	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	11/09/13	8:40 AM	28.35	40	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	08/14/14	2:45 PM	28.80	73	0	--	--	--	0
Freeman's Convalescence Home	GMSG-446	08/07/15	1:19 PM	28.64	65	T	--	--	--	0
Freeman's Convalescence Home	GMSG-452	06/21/05	11:23 AM	28.88	81	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	06/27/05	4:25 PM	28.74	91	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	07/05/05	9:23 AM	28.84	60	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	07/09/05	12:02 PM	28.88	86	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	08/01/05	1:23 PM	28.85	85	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	09/12/05	10:49 AM	28.76	87	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	10/13/05	3:26 PM	28.79	58	T	--	--	--	0
Freeman's Convalescence Home	GMSG-452	02/22/06	11:45 AM	28.52	28	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Freeman's Convalescence Home	GMSG-452	04/03/06	9:58 AM	28.58	40	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	07/06/06	3:07 PM	29.01	82	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	10/02/06	10:11 AM	28.66	70	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	01/02/07	10:06 AM	28.96	29	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	04/03/07	10:00 AM	28.67	35	T	--	--	--	0
Freeman's Convalescence Home	GMSG-452	07/17/07	10:39 AM	29.95	79	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	10/18/07	11:50 AM	29.22	65	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	01/03/08	12:27 PM	30.18	18	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	04/23/08	12:46 PM	30.18	72	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	07/09/08	1:38 PM	29.89	75	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	10/02/08	1:29 PM	29.75	52	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	01/23/09	9:11 AM	28.46	23	T	--	--	--	0
Freeman's Convalescence Home	GMSG-452	03/30/09	12:57 PM	28.77	41	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	07/30/09	8:55 AM	28.56	60	T	--	--	--	0
Freeman's Convalescence Home	GMSG-452	10/19/09	10:45 AM	28.49	58	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	04/23/10	9:44 AM	28.64	60	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	10/28/10	1:36 PM	28.74	40	T	--	--	--	0
Freeman's Convalescence Home	GMSG-452	07/10/11	8:52 AM	28.60	79	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	10/26/12	1:48 PM	28.95	41	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	11/09/13	8:40 AM	28.35	40	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	08/14/14	2:50 PM	28.80	73	0	--	--	--	0
Freeman's Convalescence Home	GMSG-452	08/07/15	1:21 PM	28.64	65	T	--	--	--	0
Grace Baptist Church	GMSG-421	10/14/03	9:39 AM	28.50	51	0	0	0.4	19	0
Grace Baptist Church	GMSG-421	10/29/03	1:16 PM	28.45	43	0	0	0.3	18.9	0
Grace Baptist Church	GMSG-421	11/12/03	12:22 PM	28.23	40	0	0	0.5	18.2	0
Grace Baptist Church	GMSG-421	12/05/03	1:46 PM	29.00	39	0	0	5.4	9.8	--
Grace Baptist Church	GMSG-421	12/17/03	3:47 PM	28.59	24	0	0	0.3	18.9	0
Grace Baptist Church	GMSG-421	01/20/04	8:41 AM	29.06	-3	0	0	0.4	18.5	0
Grace Baptist Church	GMSG-421	04/17/04	10:51 AM	28.92	60	0	0	0.4	17.3	0
Grace Baptist Church	GMSG-421	07/13/04	10:40 AM	28.60	75	0	0	0.8	18.5	0
Grace Baptist Church	GMSG-421	10/25/04	2:17 PM	28.82	55	0	0	0.3	19.5	0
Grace Baptist Church	GMSG-421	01/27/05	2:12 PM	29.30	15	0	--	--	--	0
Grace Baptist Church	GMSG-421	04/01/05	3:28 PM	28.73	52	0	--	--	--	0
Grace Baptist Church	GMSG-421	07/05/05	10:47 AM	28.88	62	0	--	--	--	0
Grace Baptist Church	GMSG-421	10/10/05	3:05 PM	28.96	63	0	--	--	--	0
Grace Baptist Church	GMSG-421	02/17/06	10:41 AM	29.09	11	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Grace Baptist Church	GMSG-421	04/03/06	2:30 PM	28.67	42	0	--	--	--	0
Grace Baptist Church	GMSG-421	07/06/06	10:08 AM	29.04	76	0	--	--	--	0
Grace Baptist Church	GMSG-421	10/02/06	2:01 PM	28.63	80	0	--	--	--	0
Grace Baptist Church	GMSG-421	10/09/06	10:07 AM	29.13	47	0	--	--	--	0
Grace Baptist Church	GMSG-421	02/08/07	7:54 AM	28.86	-2	0	--	--	--	0
Grace Baptist Church	GMSG-421	04/02/07	2:15 PM	28.67	45	0	--	--	--	0
Grace Baptist Church	GMSG-421	07/17/07	3:00 PM	29.91	81	0	--	--	--	0
Grace Baptist Church	GMSG-421	10/18/07	3:22 PM	29.16	66	0	--	--	--	0
Grace Baptist Church	GMSG-421	01/04/08	2:29 PM	29.95	28	0	--	--	--	0
Grace Baptist Church	GMSG-421	04/24/08	10:49 AM	30.08	65	0	--	--	--	0
Grace Baptist Church	GMSG-421	07/10/08	2:46 PM	29.92	74	0	--	--	--	0
Grace Baptist Church	GMSG-421	10/13/08	2:24 PM	30.04	75	0	--	--	--	0
Grace Baptist Church	GMSG-421	01/26/09	3:09 PM	28.99	7	T	--	--	--	0
Grace Baptist Church	GMSG-421	03/31/09	1:57 PM	28.38	35	T	--	--	--	0
Grace Baptist Church	GMSG-421	07/28/09	3:42 PM	28.47	69	0	--	--	--	0
Grace Baptist Church	GMSG-421	10/19/09	2:24 PM	28.47	67	0	--	--	--	0
Grace Baptist Church	GMSG-421	04/23/10	2:30 PM	28.61	66	0	--	--	--	0
Grace Baptist Church	GMSG-421	07/09/11	4:57 PM	28.58	81	0	--	--	--	0
Grace Baptist Church	GMSG-421	10/31/12	12:11 PM	28.55	41	0	--	--	--	0
Grace Baptist Church	GMSG-421	11/09/13	2:30 PM	28.44	39	T	--	--	--	0
Grace Baptist Church	GMSG-421	08/13/14	1:15 PM	28.75	74	0	--	--	--	0
Grace Baptist Church	GMSG-421	08/07/15	1:35 PM	28.64	66	T	--	--	--	0
Grace Baptist Church	GMSG-422	10/14/03	9:43 AM	28.50	51	0	0	2.1	17	0
Grace Baptist Church	GMSG-422	10/29/03	1:12 PM	28.45	43	0	0	1.3	17.8	0
Grace Baptist Church	GMSG-422	11/12/03	12:26 PM	28.23	40	0	0	2.3	16.3	0
Grace Baptist Church	GMSG-422	12/17/03	3:55 PM	28.59	24	0	0	1.7	17.2	0
Grace Baptist Church	GMSG-422	01/20/04	8:47 AM	29.06	-3	0	0	2	16.8	0
Grace Baptist Church	GMSG-422	04/17/04	10:57 AM	28.92	60	0	0	1.1	16.6	0
Grace Baptist Church	GMSG-422	07/13/04	10:35 AM	28.60	75	0	0	1.6	17.5	0
Grace Baptist Church	GMSG-422	10/25/04	2:24 PM	28.82	55	0	0	1.2	18	0
Grace Baptist Church	GMSG-422	01/27/05	2:24 PM	29.30	15	0	--	--	--	0
Grace Baptist Church	GMSG-422	04/01/05	3:25 PM	28.73	52	0	--	--	--	0
Grace Baptist Church	GMSG-422	07/05/05	10:52 AM	28.88	62	0	--	--	--	0
Grace Baptist Church	GMSG-422	10/10/05	3:10 PM	28.96	63	0	--	--	--	0
Grace Baptist Church	GMSG-422	02/17/06	1:33 PM	29.12	6	T	--	--	--	0
Grace Baptist Church	GMSG-422	04/03/06	2:21 PM	28.65	43	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Grace Baptist Church	GMSG-422	07/06/06	10:25 AM	29.04	76	0	--	--	--	0
Grace Baptist Church	GMSG-422	10/02/06	1:54 PM	28.63	80	0	--	--	--	0
Grace Baptist Church	GMSG-422	10/09/06	10:21 AM	29.13	47	0	--	--	--	0
Grace Baptist Church	GMSG-422	02/08/07	8:45 AM	28.85	1	0	--	--	--	0
Grace Baptist Church	GMSG-422	04/02/07	2:04 PM	28.67	45	0	--	--	--	0
Grace Baptist Church	GMSG-422	07/17/07	2:56 PM	29.91	81	0	--	--	--	0
Grace Baptist Church	GMSG-422	10/18/07	3:39 PM	29.15	67	T	--	--	--	0
Grace Baptist Church	GMSG-422	01/04/08	2:20 PM	29.95	28	0	--	--	--	0
Grace Baptist Church	GMSG-422	04/24/08	10:53 AM	30.08	65	0	--	--	--	0
Grace Baptist Church	GMSG-422	07/10/08	2:49 PM	29.92	74	0	--	--	--	0
Grace Baptist Church	GMSG-422	10/13/08	2:29 PM	30.04	75	0	--	--	--	0
Grace Baptist Church	GMSG-422	01/26/09	2:53 PM	28.99	7	T	--	--	--	0
Grace Baptist Church	GMSG-422	03/31/09	1:50 PM	28.38	35	T	--	--	--	0
Grace Baptist Church	GMSG-422	07/28/09	3:29 PM	28.46	71	0	--	--	--	0
Grace Baptist Church	GMSG-422	10/19/09	2:29 PM	28.47	67	0	--	--	--	0
Grace Baptist Church	GMSG-422	04/23/10	2:34 PM	28.61	66	0	--	--	--	0
Grace Baptist Church	GMSG-422	10/27/10	3:53 PM	28.02	37	0.03	--	--	--	0
Grace Baptist Church	GMSG-422	07/09/11	5:03 PM	28.58	81	0	--	--	--	0
Grace Baptist Church	GMSG-422	10/31/12	12:18 PM	28.55	41	0	--	--	--	0
Grace Baptist Church	GMSG-422	11/09/13	2:30 PM	28.44	39	T	--	--	--	0
Grace Baptist Church	GMSG-422	08/13/14	1:01 PM	28.75	74	0	--	--	--	0
Grace Baptist Church	GMSG-422	08/07/15	1:50 PM	28.64	66	T	--	--	--	0
Grace Baptist Church	GMSG-511	09/15/05	10:29 AM	29.01	65	0	--	--	--	0
Grace Baptist Church	GMSG-511	09/20/05	2:32 PM	28.78	79	0	--	--	--	0
Grace Baptist Church	GMSG-511	09/29/05	11:55 AM	28.82	53	0	--	--	--	0
Grace Baptist Church	GMSG-511	10/10/05	3:07 PM	28.96	63	0	--	--	--	0
Grace Baptist Church	GMSG-511	11/08/05	3:33 PM	28.80	46	0	--	--	--	0
Grace Baptist Church	GMSG-511	12/07/05	2:16 PM	29.27	23	0	--	--	--	0
Grace Baptist Church	GMSG-511	02/17/06	10:35 AM	29.09	11	0	--	--	--	0
Grace Baptist Church	GMSG-511	04/03/06	2:27 PM	28.65	43	0	--	--	--	0
Grace Baptist Church	GMSG-511	07/06/06	10:13 AM	29.04	76	0	--	--	--	0
Grace Baptist Church	GMSG-511	10/02/06	1:59 PM	28.63	80	0	--	--	--	0
Grace Baptist Church	GMSG-511	10/09/06	10:09 AM	29.13	47	0	--	--	--	0
Grace Baptist Church	GMSG-511	02/08/07	7:58 AM	28.86	-2	0	--	--	--	0
Grace Baptist Church	GMSG-511	04/02/07	2:13 PM	28.67	45	0	--	--	--	0
Grace Baptist Church	GMSG-511	07/17/07	2:51 PM	29.91	81	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Grace Baptist Church	GMSG-511	10/18/07	3:19 PM	29.16	66	0	--	--	--	0
Grace Baptist Church	GMSG-511	01/04/08	2:26 PM	29.95	28	0	--	--	--	0
Grace Baptist Church	GMSG-511	04/24/08	10:47 AM	30.08	65	0	--	--	--	0
Grace Baptist Church	GMSG-511	07/10/08	2:44 PM	29.92	74	0	--	--	--	0
Grace Baptist Church	GMSG-511	10/13/08	2:22 PM	30.04	75	0	--	--	--	0
Grace Baptist Church	GMSG-511	01/26/09	2:59 PM	28.99	7	T	--	--	--	0
Grace Baptist Church	GMSG-511	03/31/09	1:55 PM	28.38	35	T	--	--	--	0
Grace Baptist Church	GMSG-511	07/28/09	3:40 PM	28.47	69	0	--	--	--	0
Grace Baptist Church	GMSG-511	10/19/09	2:23 PM	28.47	67	0	--	--	--	0
Grace Baptist Church	GMSG-511	04/23/10	2:28 PM	28.61	67	0	--	--	--	0
Grace Baptist Church	GMSG-511	07/09/11	4:55 PM	28.58	81	0	--	--	--	0
Grace Baptist Church	GMSG-511	10/31/12	12:14 PM	28.55	41	0	--	--	--	0
Grace Baptist Church	GMSG-511	11/13/13	12:00 PM	28.71	43	0	--	--	--	0
Grace Baptist Church	GMSG-511	08/13/14	1:12 PM	28.75	74	0	--	--	--	0
Grace Baptist Church	GMSG-511	08/07/15	1:43 PM	28.64	66	T	--	--	--	0
Grace Baptist Church	GMSG-512	10/18/05	9:00 AM	28.63	48	0	--	--	--	0
Grace Baptist Church	GMSG-512	10/25/05	1:00 PM	28.91	44	0	--	--	--	0
Grace Baptist Church	GMSG-512	10/25/05	1:30 PM	28.90	45	0	--	--	--	0
Grace Baptist Church	GMSG-512	10/31/05	3:31 PM	28.70	51	0	--	--	--	0
Grace Baptist Church	GMSG-512	11/08/05	3:30 PM	28.80	46	0	--	--	--	0
Grace Baptist Church	GMSG-512	12/07/05	2:13 PM	29.27	23	0	--	--	--	0
Grace Baptist Church	GMSG-512	02/17/06	10:14 AM	29.08	10	0	--	--	--	0
Grace Baptist Church	GMSG-512	04/03/06	2:19 PM	28.65	43	0	--	--	--	0
Grace Baptist Church	GMSG-512	07/06/06	10:29 AM	29.04	76	0	--	--	--	0
Grace Baptist Church	GMSG-512	10/02/06	1:52 PM	28.63	80	0	--	--	--	0
Grace Baptist Church	GMSG-512	10/09/06	10:23 AM	29.13	47	0	--	--	--	0
Grace Baptist Church	GMSG-512	02/08/07	8:55 AM	28.85	1	0	--	--	--	0
Grace Baptist Church	GMSG-512	04/02/07	2:02 PM	28.67	45	0	--	--	--	0
Grace Baptist Church	GMSG-512	07/17/07	2:58 PM	29.91	81	0	--	--	--	0
Grace Baptist Church	GMSG-512	10/18/07	3:32 PM	29.15	67	T	--	--	--	0
Grace Baptist Church	GMSG-512	01/04/08	2:17 PM	29.95	28	0	--	--	--	0
Grace Baptist Church	GMSG-512	04/24/08	10:51 AM	30.08	65	0	--	--	--	0
Grace Baptist Church	GMSG-512	07/10/08	2:48 PM	29.92	74	0	--	--	--	0
Grace Baptist Church	GMSG-512	10/13/08	2:27 PM	30.04	75	0	--	--	--	0
Grace Baptist Church	GMSG-512	01/26/09	2:50 PM	28.99	7	T	--	--	--	0
Grace Baptist Church	GMSG-512	03/31/09	1:48 PM	28.38	35	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Grace Baptist Church	GMSG-512	07/28/09	3:16 PM	28.46	71	0	--	--	--	0
Grace Baptist Church	GMSG-512	10/19/09	2:27 PM	28.47	67	0	--	--	--	0
Grace Baptist Church	GMSG-512	04/23/10	2:32 PM	28.61	66	0	--	--	--	0
Grace Baptist Church	GMSG-512	10/27/10	3:51 PM	28.02	37	0.03	--	--	--	0
Grace Baptist Church	GMSG-512	07/09/11	4:59 PM	28.58	81	0	--	--	--	0
Grace Baptist Church	GMSG-512	10/31/12	12:23 PM	28.55	41	0	--	--	--	0
Grace Baptist Church	GMSG-512	11/09/13	2:30 PM	28.44	39	T	--	--	--	0
Grace Baptist Church	GMSG-512	08/13/14	12:55 PM	28.75	74	0	--	--	--	0
Grace Baptist Church	GMSG-512	08/07/15	1:54 PM	28.64	66	T	--	--	--	0
Grace Baptist Church	GMSG-513	10/31/05	3:37 PM	28.70	51	0	--	--	--	0
Grace Baptist Church	GMSG-513	11/08/05	8:40 AM	28.90	36	0	--	--	--	0
Grace Baptist Church	GMSG-513	11/14/05	1:40 PM	29.02	39	0	--	--	--	0
Grace Baptist Church	GMSG-513	12/07/05	2:18 PM	29.27	23	0	--	--	--	0
Grace Baptist Church	GMSG-513	02/17/06	11:30 AM	29.09	12	0	--	--	--	0
Grace Baptist Church	GMSG-513	03/10/06	9:10 AM	28.44	36	0	--	--	--	0
Grace Baptist Church	GMSG-513	04/03/06	2:24 PM	28.65	43	0	--	--	--	0
Grace Baptist Church	GMSG-513	07/06/06	10:20 AM	29.04	76	0	--	--	--	0
Grace Baptist Church	GMSG-513	10/02/06	1:57 PM	28.63	80	0	--	--	--	0
Grace Baptist Church	GMSG-513	10/09/06	10:17 AM	29.13	47	0	--	--	--	0
Grace Baptist Church	GMSG-513	02/09/07	8:44 AM	28.96	5	0	--	--	--	0
Grace Baptist Church	GMSG-513	04/02/07	2:09 PM	28.67	45	0	--	--	--	0
Grace Baptist Church	GMSG-513	07/17/07	2:53 PM	29.91	81	0	--	--	--	0
Grace Baptist Church	GMSG-513	10/18/07	3:44 PM	29.15	67	T	--	--	--	0
Grace Baptist Church	GMSG-513	01/04/08	2:24 PM	29.95	28	0	--	--	--	0
Grace Baptist Church	GMSG-513	04/24/08	10:45 AM	30.08	65	0	--	--	--	0
Grace Baptist Church	GMSG-513	07/10/08	2:41 PM	29.92	74	0	--	--	--	0
Grace Baptist Church	GMSG-513	10/13/08	2:31 PM	30.03	76	0	--	--	--	0
Grace Baptist Church	GMSG-513	01/26/09	3:05 PM	28.99	7	T	--	--	--	0
Grace Baptist Church	GMSG-513	03/31/09	1:52 PM	28.38	35	T	--	--	--	0
Grace Baptist Church	GMSG-513	07/28/09	3:33 PM	28.47	69	0	--	--	--	0
Grace Baptist Church	GMSG-513	10/19/09	2:21 PM	28.47	67	0	--	--	--	0
Grace Baptist Church	GMSG-513	04/23/10	2:25 PM	28.61	67	0	--	--	--	0
Grace Baptist Church	GMSG-513	10/27/10	5:55 AM	28.04	38	T	--	--	--	0
Grace Baptist Church	GMSG-513	07/09/11	5:06 PM	28.58	81	0	--	--	--	0
Grace Baptist Church	GMSG-513	10/31/12	12:16 PM	28.55	41	0	--	--	--	0
Grace Baptist Church	GMSG-513	11/09/13	2:30 PM	28.44	39	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Grace Baptist Church	GMSG-513	08/13/14	1:06 PM	28.75	74	0	--	--	--	0
Grace Baptist Church	GMSG-513	08/07/15	1:46 PM	28.64	66	T	--	--	--	0
Great American Disposal	GMSG-79	07/13/02	10:45 AM	28.80	81	0	0	16.8	1.6	0
Great American Disposal	GMSG-79	07/22/02	1:17 PM	28.66	82	0	0	18.5	0.6	0
Great American Disposal	GMSG-79	08/12/02	9:55 AM	28.66	71	T	0	17.6	1.5	0
Great American Disposal	GMSG-79	09/30/02	1:19 PM	28.56	75	0	0	16.3	0	0
Great American Disposal	GMSG-79	10/29/02	12:08 PM	28.96	43	0	0	13.5	0	0
Great American Disposal	GMSG-79	11/19/02	12:40 PM	28.53	46	0	0	13	0	0
Great American Disposal	GMSG-79	01/29/03	3:04 PM	29.05	18	0	0	13.5	0	0
Great American Disposal	GMSG-79	04/21/03	1:24 PM	28.54	41	T	0	12.7	1.7	0
Great American Disposal	GMSG-79	08/05/03	9:03 AM	28.73	73	0	0	18.2	0	0
Great American Disposal	GMSG-79	10/28/03	11:48 AM	28.10	44	T	0	15.4	0	0
Great American Disposal	GMSG-79	10/30/03	1:27 PM	28.61	43	T	--	--	--	--
Great American Disposal	GMSG-79	11/12/03	9:11 AM	28.37	37	0	--	--	--	--
Great American Disposal	GMSG-79	11/24/03	2:08 PM	28.33	17	T	--	--	--	--
Great American Disposal	GMSG-79	12/08/03	10:50 AM	28.66	37	0	--	--	--	--
Great American Disposal	GMSG-79	12/15/03	1:55 PM	28.50	25	0	--	--	--	--
Great American Disposal	GMSG-79	01/20/04	10:09 AM	29.08	3	0	0	12.5	2.1	0
Great American Disposal	GMSG-79	04/18/04	12:25 PM	28.54	49	0	0	13.6	0.5	0
Great American Disposal	GMSG-79	04/19/04	11:36 AM	28.76	44	0	0	13	2.1	--
Great American Disposal	GMSG-79	07/14/04	4:13 PM	28.67	78	0	0	17.4	1	--
Great American Disposal	GMSG-79	10/30/04	11:50 AM	27.97	49	0.01	0	15	0.2	--
Great American Disposal	GMSG-79	02/10/05	2:29 PM	28.85	30	0	--	--	--	0
Great American Disposal	GMSG-79	04/05/05	9:48 AM	28.57	59	0	--	--	--	0
Great American Disposal	GMSG-79	07/01/05	11:25 AM	28.66	59	0	--	--	--	0
Great American Disposal	GMSG-79	10/13/05	1:49 PM	28.79	59	T	--	--	--	0
Great American Disposal	GMSG-79	02/28/06	3:24 PM	28.72	27	0	--	--	--	0
Great American Disposal	GMSG-79	04/14/06	2:05 PM	28.35	72	0	--	--	--	0
Great American Disposal	GMSG-79	07/13/06	2:59 PM	28.76	93	0	--	--	--	0
Great American Disposal	GMSG-79	10/10/06	8:20 AM	29.00	34	0	--	--	--	4
Great American Disposal	GMSG-79	02/01/07	2:51 PM	28.37	19	0	--	--	--	0
Great American Disposal	GMSG-79	04/06/07	1:37 PM	28.74	19	T	--	--	--	0
Great American Disposal	GMSG-79	07/20/07	11:02 AM	30.24	68	0	--	--	--	0
Great American Disposal	GMSG-79	10/19/07	10:47 AM	28.98	54	T	--	--	--	0
Great American Disposal	GMSG-79	01/25/08	12:49 PM	30.14	24	0	--	--	--	0
Great American Disposal	GMSG-79	04/28/08	11:33 AM	30.06	35	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Great American Disposal	GMSG-79	07/16/08	11:53 AM	30.11	82	0	--	--	--	0
Great American Disposal	GMSG-79	10/14/08	2:35 PM	30.13	56	0	--	--	--	0
Great American Disposal	GMSG-79	01/29/09	2:43 PM	28.46	15	T	--	--	--	0
Great American Disposal	GMSG-79	04/21/09	11:28 AM	28.22	35	T	--	--	--	0
Great American Disposal	GMSG-79	07/28/09	2:46 PM	28.46	71	0	--	--	--	0
Great American Disposal	GMSG-79	10/20/09	10:36 AM	28.85	45	0	--	--	--	0
Great American Disposal	GMSG-79	04/26/10	1:35 PM	28.42	61	0	--	--	--	0
Great American Disposal	GMSG-79	11/09/10	1:06 PM	28.73	57	0	--	--	--	0
Great American Disposal	GMSG-79	07/10/11	1:28 PM	28.57	83	0	--	--	--	0
Great American Disposal	GMSG-79	10/29/12	1:33 PM	29.01	46	0	--	--	--	0
Great American Disposal	GMSG-79	11/11/13	3:00 PM	28.98	25	T	--	--	--	0
Great American Disposal	GMSG-79	08/22/14	1:25 PM	28.72	71	0	--	--	--	0
Great American Disposal	GMSG-79	08/07/15	3:06 PM	28.65	65	T	--	--	--	0
Great American Disposal	GMSG-80	07/13/02	10:50 AM	28.80	81	0	0	1.4	19.2	0
Great American Disposal	GMSG-80	07/22/02	1:12 PM	28.66	82	0	0	1.4	19	0
Great American Disposal	GMSG-80	08/12/02	9:45 AM	28.66	71	T	0	1	20	0
Great American Disposal	GMSG-80	09/30/02	1:25 PM	28.56	75	0	0	1	19.3	0
Great American Disposal	GMSG-80	10/29/02	12:16 PM	28.96	43	0	0	0.2	20	0
Great American Disposal	GMSG-80	11/19/02	12:55 PM	28.53	46	0	0	0.9	18.8	0
Great American Disposal	GMSG-80	01/30/03	11:19 AM	28.75	26	0	0	0	20.2	0
Great American Disposal	GMSG-80	04/21/03	1:32 PM	28.56	40	T	0	0.5	18.7	0
Great American Disposal	GMSG-80	08/05/03	9:10 AM	28.73	73	0	0	1.2	17.5	0
Great American Disposal	GMSG-80	11/03/03	9:20 AM	29.06	35	0	0	0.4	18.9	0
Great American Disposal	GMSG-80	01/20/04	10:03 AM	29.08	3	0	0	0.3	18.6	0
Great American Disposal	GMSG-80	04/18/04	12:36 PM	28.50	50	0	0	0.3	17	0
Great American Disposal	GMSG-80	07/14/04	4:25 PM	28.67	78	0	0	1	17.7	0
Great American Disposal	GMSG-80	10/31/04	11:09 AM	--	--	--	0	0.3	19.3	0
Great American Disposal	GMSG-80	02/01/05	2:51 PM	29.10	35	0	--	--	--	0
Great American Disposal	GMSG-80	04/05/05	10:18 AM	28.57	59	0	--	--	--	0
Great American Disposal	GMSG-80	07/01/05	11:32 AM	28.68	63	0	--	--	--	0
Great American Disposal	GMSG-80	10/13/05	2:00 PM	28.79	59	T	--	--	--	0
Great American Disposal	GMSG-80	02/28/06	3:33 PM	28.73	27	0	--	--	--	0
Great American Disposal	GMSG-80	04/14/06	2:03 PM	28.35	72	0	--	--	--	0
Great American Disposal	GMSG-80	07/13/06	3:13 PM	28.76	93	0	--	--	--	0
Great American Disposal	GMSG-80	10/10/06	8:28 AM	29.00	34	0	--	--	--	0
Great American Disposal	GMSG-80	02/01/07	2:45 PM	28.37	19	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Great American Disposal	GMSG-80	04/06/07	1:31 PM	28.74	19	T	--	--	--	0
Great American Disposal	GMSG-80	07/20/07	10:57 AM	30.24	68	0	--	--	--	0
Great American Disposal	GMSG-80	10/19/07	10:40 AM	28.98	54	T	--	--	--	0
Great American Disposal	GMSG-80	01/17/08	10:27 AM	29.71	27	T	--	--	--	0
Great American Disposal	GMSG-80	04/28/08	11:30 AM	30.06	35	0	--	--	--	0
Great American Disposal	GMSG-80	07/16/08	11:50 AM	30.11	82	0	--	--	--	0
Great American Disposal	GMSG-80	10/14/08	2:31 PM	30.13	56	0	--	--	--	0
Great American Disposal	GMSG-80	01/29/09	2:33 PM	28.46	15	T	--	--	--	0
Great American Disposal	GMSG-80	04/24/09	10:30 AM	28.39	72	0	--	--	--	0
Great American Disposal	GMSG-80	07/28/09	2:50 PM	28.46	71	0	--	--	--	0
Great American Disposal	GMSG-80	10/20/09	10:34 AM	28.85	45	0	--	--	--	0
Great American Disposal	GMSG-80	04/26/10	1:32 PM	28.42	61	0	--	--	--	0
Great American Disposal	GMSG-80	11/08/10	2:41 PM	28.61	57	0	--	--	--	0
Great American Disposal	GMSG-80	07/10/11	1:24 PM	28.57	83	0	--	--	--	0
Great American Disposal	GMSG-80	10/29/12	1:18 PM	29.02	47	0	--	--	--	0
Great American Disposal	GMSG-80	11/11/13	3:00 PM	28.98	25	T	--	--	--	0
Great American Disposal	GMSG-80	08/22/14	1:11 PM	28.72	71	0	--	--	--	0
Great American Disposal	GMSG-80	08/07/15	2:47 PM	28.65	65	T	--	--	--	0
Great American Disposal	GMSG-643	10/25/06	3:00 PM	28.95	46	0	--	--	--	0
Great American Disposal	GMSG-643	10/31/06	2:44 PM	28.66	36	0	--	--	--	0
Great American Disposal	GMSG-643	11/10/06	10:14 AM	28.89	30	0.09	--	--	--	0
Great American Disposal	GMSG-643	12/19/06	11:34 AM	29.00	37	0	--	--	--	0
Great American Disposal	GMSG-643	02/01/07	2:55 PM	28.37	19	0	--	--	--	0
Great American Disposal	GMSG-643	03/27/07	8:59 AM	29.00	46	0	--	--	--	0
Great American Disposal	GMSG-643	04/06/07	1:40 PM	28.74	19	T	--	--	--	0
Great American Disposal	GMSG-643	07/20/07	11:05 AM	30.24	68	0	--	--	--	0
Great American Disposal	GMSG-643	10/19/07	10:53 AM	28.98	54	T	--	--	--	0
Great American Disposal	GMSG-643	01/17/08	11:00 AM	29.67	26	T	--	--	--	0
Great American Disposal	GMSG-643	04/28/08	11:36 AM	30.06	35	0	--	--	--	0
Great American Disposal	GMSG-643	07/16/08	11:56 AM	30.11	82	0	--	--	--	0
Great American Disposal	GMSG-643	10/14/08	2:38 PM	30.13	56	0	--	--	--	0
Great American Disposal	GMSG-643	01/29/09	2:52 PM	28.46	15	T	--	--	--	0
Great American Disposal	GMSG-643	04/24/09	10:38 AM	28.39	72	0	--	--	--	0
Great American Disposal	GMSG-643	07/28/09	3:04 PM	28.46	71	0	--	--	--	0
Great American Disposal	GMSG-643	10/20/09	10:50 AM	28.85	45	0	--	--	--	0
Great American Disposal	GMSG-643	04/26/10	1:37 PM	28.42	61	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Great American Disposal	GMSG-643	11/08/10	2:44 PM	28.61	57	0	--	--	--	0
Great American Disposal	GMSG-643	07/10/11	1:32 PM	28.58	88	0	--	--	--	0
Great American Disposal	GMSG-643	10/29/12	1:30 PM	29.01	46	0	--	--	--	0
Great American Disposal	GMSG-643	11/11/13	3:00 PM	28.98	25	T	--	--	--	0
Great American Disposal	GMSG-643	08/22/14	1:20 PM	28.72	71	0	--	--	--	0
Great American Disposal	GMSG-643	08/07/15	2:59 PM	28.65	65	T	--	--	--	0
Great American Disposal	GMSG-644	10/25/06	3:05 PM	28.95	46	0	--	--	--	0
Great American Disposal	GMSG-644	10/31/06	2:46 PM	28.66	36	0	--	--	--	0
Great American Disposal	GMSG-644	11/10/06	10:17 AM	28.89	30	0.09	--	--	--	0
Great American Disposal	GMSG-644	12/19/06	11:37 AM	29.00	37	0	--	--	--	0
Great American Disposal	GMSG-644	02/01/07	2:58 PM	28.37	19	0	--	--	--	0
Great American Disposal	GMSG-644	03/27/07	9:02 AM	29.00	46	0	--	--	--	0
Great American Disposal	GMSG-644	04/06/07	1:44 PM	28.74	19	T	--	--	--	0
Great American Disposal	GMSG-644	07/20/07	11:08 AM	30.24	68	0	--	--	--	0
Great American Disposal	GMSG-644	10/19/07	10:37 AM	28.98	54	T	--	--	--	0
Great American Disposal	GMSG-644	10/19/07	10:59 AM	28.98	54	T	--	--	--	0
Great American Disposal	GMSG-644	01/17/08	10:48 AM	29.67	26	T	--	--	--	0
Great American Disposal	GMSG-644	04/28/08	11:39 AM	30.06	35	0	--	--	--	0
Great American Disposal	GMSG-644	07/16/08	11:58 AM	30.11	82	0	--	--	--	0
Great American Disposal	GMSG-644	10/14/08	2:41 PM	30.13	56	0	--	--	--	0
Great American Disposal	GMSG-644	01/29/09	3:04 PM	28.46	15	T	--	--	--	0
Great American Disposal	GMSG-644	07/28/09	2:58 PM	28.46	71	0	--	--	--	0
Great American Disposal	GMSG-644	10/20/09	10:39 AM	28.85	45	0	--	--	--	0
Great American Disposal	GMSG-644	04/26/10	1:40 PM	28.42	61	0	--	--	--	0
Great American Disposal	GMSG-644	11/08/10	2:47 PM	28.61	57	0	--	--	--	0
Great American Disposal	GMSG-644	07/10/11	1:36 PM	28.58	88	0	--	--	--	0
Great American Disposal	GMSG-644	10/29/12	1:24 PM	29.02	47	0	--	--	--	0
Great American Disposal	GMSG-644	11/11/13	3:00 PM	28.98	25	T	--	--	--	0
Great American Disposal	GMSG-644	08/22/14	1:15 PM	28.72	71	0	--	--	--	0
Great American Disposal	GMSG-644	08/07/15	4:54 PM	28.65	64	T	--	--	--	0
Great American Disposal	GMSG-645	10/25/06	2:55 PM	28.95	46	0	--	--	--	0
Great American Disposal	GMSG-645	10/31/06	2:41 PM	28.66	36	0	--	--	--	0
Great American Disposal	GMSG-645	11/10/06	10:10 AM	28.89	30	0.09	--	--	--	0
Great American Disposal	GMSG-645	12/19/06	11:30 AM	29.00	37	0	--	--	--	0
Great American Disposal	GMSG-645	02/01/07	2:50 PM	28.37	19	0	--	--	--	0
Great American Disposal	GMSG-645	03/27/07	8:55 AM	29.00	46	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Great American Disposal	GMSG-645	04/06/07	1:34 PM	28.74	19	T	--	--	--	0
Great American Disposal	GMSG-645	07/20/07	11:00 AM	30.24	68	0	--	--	--	0
Great American Disposal	GMSG-645	10/19/07	10:44 AM	28.98	54	T	--	--	--	0
Great American Disposal	GMSG-645	01/17/08	10:33 AM	29.67	26	T	--	--	--	0
Great American Disposal	GMSG-645	04/28/08	11:31 AM	30.06	35	0	--	--	--	0
Great American Disposal	GMSG-645	07/16/08	11:52 AM	30.11	82	0	--	--	--	0
Great American Disposal	GMSG-645	10/14/08	2:33 PM	30.13	56	0	--	--	--	0
Great American Disposal	GMSG-645	01/29/09	2:38 PM	28.46	15	T	--	--	--	0
Great American Disposal	GMSG-645	04/24/09	10:33 AM	28.39	72	0	--	--	--	0
Great American Disposal	GMSG-645	07/28/09	2:48 PM	28.46	71	0	--	--	--	0
Great American Disposal	GMSG-645	10/20/09	10:32 AM	28.85	45	0	--	--	--	0
Great American Disposal	GMSG-645	04/26/10	1:33 PM	28.42	61	0	--	--	--	0
Great American Disposal	GMSG-645	11/08/10	2:39 PM	28.61	57	0	--	--	--	0
Great American Disposal	GMSG-645	07/10/11	1:20 PM	28.57	83	0	--	--	--	0
Great American Disposal	GMSG-645	10/29/12	1:14 PM	29.02	47	0	--	--	--	0
Great American Disposal	GMSG-645	11/11/13	3:00 PM	28.98	25	T	--	--	--	0
Great American Disposal	GMSG-645	08/22/14	1:06 PM	28.72	71	0	--	--	--	0
Great American Disposal	GMSG-645	08/07/15	2:44 PM	28.65	65	T	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	09/11/01	4:35 PM	28.93	62	0	0	12.3	3	--
Great American Disposal-Carter Drive	GMSG-56	09/24/01	2:29 PM	29.08	50	0	0	13.1	3	--
Great American Disposal-Carter Drive	GMSG-56	10/21/01	9:02 AM	28.81	42	0	0	13.7	2.4	--
Great American Disposal-Carter Drive	GMSG-56	11/13/01	8:20 AM	28.82	39	0.02	0	12.1	4	--
Great American Disposal-Carter Drive	GMSG-56	02/13/02	8:40 AM	28.94	11	0	0	10.2	7.2	--
Great American Disposal-Carter Drive	GMSG-56	06/26/02	9:52 AM	28.61	77	0	0	13	2.7	--
Great American Disposal-Carter Drive	GMSG-56	09/27/02	1:44 PM	28.70	63	0	0	13.6	2.4	0
Great American Disposal-Carter Drive	GMSG-56	11/20/02	12:17 PM	28.70	37	0	0	13.7	2	3
Great American Disposal-Carter Drive	GMSG-56	01/29/03	1:35 PM	29.06	16	0	0	13.4	2.6	0
Great American Disposal-Carter Drive	GMSG-56	04/24/03	11:26 AM	28.80	61	0	0	11.7	5.2	0
Great American Disposal-Carter Drive	GMSG-56	08/04/03	11:30 AM	28.75	68	T	0	11	6.3	0
Great American Disposal-Carter Drive	GMSG-56	11/01/03	11:58 AM	29.08	37	0	0	11	7.7	0
Great American Disposal-Carter Drive	GMSG-56	01/20/04	9:32 AM	29.08	3	0	0	11.9	7	0
Great American Disposal-Carter Drive	GMSG-56	04/17/04	11:21 AM	28.92	60	0	0	11	4.6	0
Great American Disposal-Carter Drive	GMSG-56	07/13/04	9:35 AM	28.59	73	0	0	13.1	3.6	0
Great American Disposal-Carter Drive	GMSG-56	10/25/04	3:06 PM	28.85	55	0	0	11.6	4.6	--
Great American Disposal-Carter Drive	GMSG-56	01/27/05	2:56 PM	29.31	17	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	04/01/05	3:40 PM	28.74	46	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Great American Disposal-Carter Drive	GMSG-56	07/05/05	11:20 AM	28.88	62	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	10/11/05	9:10 AM	29.05	40	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	10/13/05	8:40 AM	28.85	55	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	10/18/05	11:25 AM	28.64	53	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	10/20/05	12:40 PM	28.88	48	0	--	--	--	--
Great American Disposal-Carter Drive	GMSG-56	10/25/05	1:40 PM	28.90	45	0	--	--	--	5
Great American Disposal-Carter Drive	GMSG-56	10/25/05	3:20 PM	28.89	44	0	0	13.1	3.2	--
Great American Disposal-Carter Drive	GMSG-56	11/08/05	11:00 AM	28.88	44	0	0	10.2	4.8	--
Great American Disposal-Carter Drive	GMSG-56	11/08/05	11:05 AM	28.88	44	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	11/14/05	3:16 PM	29.00	38	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	11/28/05	11:49 AM	28.16	44	T	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	12/07/05	9:54 AM	29.26	21	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	02/24/06	10:20 AM	29.01	10	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	04/05/06	3:09 PM	28.70	58	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	04/11/06	1:11 PM	28.59	73	0	0	10	5.5	0
Great American Disposal-Carter Drive	GMSG-56	07/05/06	3:07 PM	28.91	75	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	10/16/06	1:16 PM	28.63	46	0.09	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	02/07/07	8:29 AM	28.85	-3	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	04/02/07	1:03 PM	28.66	45	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	07/20/07	9:17 AM	30.25	65	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	10/22/07	3:22 PM	30.01	52	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	01/07/08	10:31 AM	29.80	34	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	04/28/08	10:12 AM	30.06	35	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	07/14/08	10:16 AM	29.87	68	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	10/16/08	11:04 AM	30.27	50	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	01/22/09	1:20 PM	28.54	23	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	04/21/09	9:00 AM	28.19	34	T	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	07/28/09	9:40 AM	28.44	71	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	10/20/09	2:33 PM	28.83	49	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	04/27/10	10:09 AM	28.67	49	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	07/22/10	1:17 PM	28.66	70	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	11/08/10	1:18 PM	28.66	54	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	07/09/11	10:46 AM	28.64	73	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	10/29/12	12:14 PM	29.04	46	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	11/10/13	3:30 PM	28.87	37	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-56	08/12/14	2:35 PM	28.61	71	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Great American Disposal-Carter Drive	GMSG-56	09/06/15	10:20 AM	28.66	80	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	11/23/05	11:55 AM	27.98	28	0.01	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	11/28/05	11:42 AM	28.16	44	T	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	12/07/05	9:37 AM	29.26	21	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	02/24/06	10:11 AM	29.01	10	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	03/10/06	11:13 AM	28.51	39	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	04/05/06	2:56 PM	28.70	58	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	04/11/06	12:54 PM	28.59	73	0	0	5.8	10.2	0
Great American Disposal-Carter Drive	GMSG-545	07/05/06	2:57 PM	28.91	75	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	10/16/06	1:20 PM	28.63	46	0.09	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	02/07/07	8:08 AM	28.85	-3	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	04/02/07	12:58 PM	28.66	45	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	07/20/07	9:13 AM	30.25	65	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	10/22/07	3:17 PM	30.01	52	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	01/07/08	10:35 AM	29.80	34	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	04/28/08	10:16 AM	30.06	35	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	07/14/08	10:19 AM	29.87	68	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	10/16/08	10:59 AM	30.27	50	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	01/22/09	1:30 PM	28.55	23	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	04/21/09	9:11 AM	28.19	34	T	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	07/28/09	9:36 AM	28.44	71	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	10/20/09	2:37 PM	28.83	49	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	04/27/10	10:12 AM	28.67	49	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	07/22/10	1:22 PM	28.66	70	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	11/08/10	1:14 PM	28.66	54	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	07/09/11	10:52 AM	28.64	73	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	10/29/12	12:20 PM	29.04	46	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	11/10/13	3:30 PM	28.87	37	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	08/12/14	2:28 PM	28.61	71	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-545	08/07/15	10:23 AM	28.65	60	T	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	11/23/05	11:58 AM	27.98	28	0.01	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	11/28/05	11:44 AM	28.16	44	T	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	12/07/05	9:46 AM	29.26	21	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	02/24/06	10:15 AM	29.01	10	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	03/10/06	11:16 AM	28.51	39	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	04/05/06	2:58 PM	28.70	58	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Great American Disposal-Carter Drive	GMSG-546	04/11/06	1:05 PM	28.59	73	0	0	9.4	5.1	0
Great American Disposal-Carter Drive	GMSG-546	07/05/06	3:03 PM	28.91	75	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	10/16/06	1:18 PM	28.63	46	0.09	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	02/07/07	8:17 AM	28.85	-3	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	04/02/07	1:00 PM	28.66	45	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	07/20/07	9:15 AM	30.25	65	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	10/22/07	3:19 PM	30.01	52	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	01/07/08	10:33 AM	29.80	34	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	04/28/08	10:14 AM	30.06	35	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	07/14/08	10:17 AM	29.87	68	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	10/16/08	11:02 AM	30.27	50	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	01/22/09	1:24 PM	28.54	23	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	04/21/09	9:07 AM	28.19	34	T	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	07/28/09	9:38 AM	28.44	71	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	10/20/09	2:35 PM	28.83	49	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	04/27/10	10:10 AM	28.67	49	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	07/22/10	1:19 PM	28.66	70	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	11/08/10	1:16 PM	28.66	54	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	07/09/11	10:49 AM	28.64	73	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	10/29/12	12:17 PM	29.04	46	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	11/10/13	3:30 PM	28.87	37	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	08/12/14	2:31 PM	28.61	71	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-546	11/24/15	3:57 PM	28.97	34		--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	12/07/05	9:34 AM	29.26	21	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	12/13/05	2:36 PM	28.88	24	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	12/20/05	12:22 PM	28.92	22	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	02/24/06	10:06 AM	29.01	10	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	03/10/06	11:10 AM	28.51	39	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	04/05/06	3:13 PM	28.70	58	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	04/11/06	1:15 PM	28.59	73	0	0	11	3.2	0
Great American Disposal-Carter Drive	GMSG-547	07/05/06	2:52 PM	28.91	75	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	10/16/06	1:22 PM	28.63	46	0.09	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	02/07/07	4:03 PM	28.79	15	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	04/02/07	12:56 PM	28.66	45	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	07/20/07	9:10 AM	30.25	65	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	10/22/07	3:14 PM	30.01	52	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Great American Disposal-Carter Drive	GMSG-547	01/07/08	10:28 AM	29.81	32	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	04/28/08	10:09 AM	30.06	35	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	07/14/08	10:14 AM	29.87	68	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	10/16/08	10:57 AM	30.27	50	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	01/22/09	1:15 PM	28.54	23	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	04/21/09	9:14 AM	28.19	34	T	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	07/28/09	9:33 AM	28.44	71	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	10/20/09	2:39 PM	28.83	49	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	04/27/10	10:14 AM	28.67	49	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	07/22/10	1:23 PM	28.66	70	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	11/08/10	1:11 PM	28.66	54	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	07/09/11	10:43 AM	28.64	73	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	10/29/12	12:11 PM	29.04	46	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	11/10/13	3:30 PM	28.87	37	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	08/12/14	2:24 PM	28.61	71	0	--	--	--	0
Great American Disposal-Carter Drive	GMSG-547	08/07/15	10:17 AM	28.65	60	T	--	--	--	0
Harvey's Pattern Works	GMSG-47	08/01/01	9:01 AM	28.92	74	T	0	0	19.9	--
Harvey's Pattern Works	GMSG-47	08/09/01	2:29 PM	28.55	84	0	0	0	20.5	--
Harvey's Pattern Works	GMSG-47	09/11/01	2:39 PM	28.96	64	T	0	0	20.3	--
Harvey's Pattern Works	GMSG-47	09/24/01	4:20 PM	29.08	48	0	0	0	20.3	--
Harvey's Pattern Works	GMSG-47	10/21/01	9:58 AM	28.82	46	0	0	0	19.2	--
Harvey's Pattern Works	GMSG-47	11/13/01	9:12 AM	28.81	41	0.01	0	0	20.3	--
Harvey's Pattern Works	GMSG-47	02/13/02	2:05 PM	28.78	33	0	0	0	20.7	--
Harvey's Pattern Works	GMSG-47	06/26/02	1:20 PM	28.57	81	0	0	0	20.8	--
Harvey's Pattern Works	GMSG-47	09/30/02	1:59 PM	28.55	73	0	0	0.2	20.6	0
Harvey's Pattern Works	GMSG-47	11/20/02	2:50 PM	28.69	32	T	0	0	19.8	0
Harvey's Pattern Works	GMSG-47	01/28/03	2:26 PM	28.75	23	T	0	0	19.8	0
Harvey's Pattern Works	GMSG-47	04/21/03	11:19 AM	28.48	40	T	0	0	20.1	0
Harvey's Pattern Works	GMSG-47	07/21/03	2:29 PM	28.61	70	0	0	0	19.7	0
Harvey's Pattern Works	GMSG-47	11/03/03	11:30 AM	29.05	32	0	0	0.2	19.1	0
Harvey's Pattern Works	GMSG-47	01/20/04	2:37 PM	29.01	13	0	0	0.1	18.8	0
Harvey's Pattern Works	GMSG-47	04/17/04	3:20 PM	28.91	67	0	0	0.1	17.9	0
Harvey's Pattern Works	GMSG-47	07/15/04	1:00 PM	28.65	81	0	0	0.3	19.2	0
Harvey's Pattern Works	GMSG-47	10/29/04	12:19 PM	28.40	56	0	0	0.2	19.5	0
Harvey's Pattern Works	GMSG-47	01/25/05	12:24 PM	28.35	25	0	0	0.1	19.9	0
Harvey's Pattern Works	GMSG-47	04/02/05	3:28 PM	28.78	52	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Harvey's Pattern Works	GMSG-47	07/01/05	3:25 PM	28.72	67	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	10/11/05	10:00 AM	29.05	45	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	02/22/06	12:00 PM	28.52	28	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	04/03/06	3:23 PM	28.67	42	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	07/07/06	3:44 PM	28.96	84	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	10/03/06	3:02 PM	28.84	70	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	01/17/07	12:26 PM	29.05	23	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	04/02/07	9:52 AM	28.59	40	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	07/18/07	11:37 AM	29.87	82	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	10/22/07	4:28 PM	30.01	51	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	01/07/08	9:28 AM	29.82	32	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	04/24/08	2:20 PM	30.00	62	T	--	--	--	0
Harvey's Pattern Works	GMSG-47	07/14/08	9:23 AM	29.87	66	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	10/14/08	10:29 AM	30.17	49	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	01/28/09	9:57 AM	28.56	2	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	04/01/09	11:44 AM	28.18	34	T	--	--	--	0
Harvey's Pattern Works	GMSG-47	07/29/09	11:46 AM	28.54	71	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	10/19/09	3:38 PM	28.53	63	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	04/27/10	1:32 PM	28.63	57	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	10/27/10	10:30 AM	27.88	41	T	--	--	--	0
Harvey's Pattern Works	GMSG-47	07/10/11	10:58 AM	28.61	76	T	--	--	--	0
Harvey's Pattern Works	GMSG-47	10/31/12	2:11 PM	28.53	40	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	11/09/13	2:10 PM	28.41	39	T	--	--	--	0
Harvey's Pattern Works	GMSG-47	08/13/14	9:22 AM	28.75	68	0	--	--	--	0
Harvey's Pattern Works	GMSG-47	08/07/15	10:49 AM	28.64	62	T	--	--	--	0
Harvey's Pattern Works	GMSG-574	05/25/06	9:21 AM	28.33	66	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	06/01/06	11:12 AM	28.91	75	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	06/06/06	2:35 PM	28.55	65	0.19	--	--	--	0
Harvey's Pattern Works	GMSG-574	07/07/06	4:04 PM	28.96	84	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	08/11/06	9:09 AM	28.97	64	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	09/06/06	2:57 PM	28.87	73	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	10/03/06	2:55 PM	28.84	70	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	01/17/07	12:35 PM	29.02	25	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	04/02/07	9:47 AM	28.59	40	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	07/18/07	11:32 AM	29.87	82	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	10/22/07	4:35 PM	30.01	49	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Harvey's Pattern Works	GMSG-574	01/07/08	9:24 AM	29.82	32	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	04/24/08	2:17 PM	30.00	62	T	--	--	--	0
Harvey's Pattern Works	GMSG-574	07/14/08	9:19 AM	29.87	66	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	10/14/08	10:24 AM	30.17	49	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	01/28/09	10:05 AM	28.56	2	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	04/01/09	11:40 AM	28.18	34	T	--	--	--	0
Harvey's Pattern Works	GMSG-574	07/29/09	11:52 AM	28.54	71	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	10/19/09	3:34 PM	28.53	63	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	04/27/10	1:36 PM	28.63	57	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	10/27/10	10:25 AM	27.86	41	T	--	--	--	0
Harvey's Pattern Works	GMSG-574	07/10/11	10:54 AM	28.61	76	T	--	--	--	0
Harvey's Pattern Works	GMSG-574	10/31/12	2:15 PM	28.53	40	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	11/09/13	2:10 PM	28.41	39	T	--	--	--	0
Harvey's Pattern Works	GMSG-574	08/13/14	10:13 AM	28.76	68	0	--	--	--	0
Harvey's Pattern Works	GMSG-574	08/07/15	10:55 AM	28.64	62	T	--	--	--	0
Harvey's Pattern Works	GMSG-575	05/25/06	9:24 AM	28.33	66	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	06/01/06	11:15 AM	28.91	75	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	06/06/06	2:33 PM	28.55	65	0.19	--	--	--	0
Harvey's Pattern Works	GMSG-575	07/07/06	3:48 PM	28.96	84	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	08/11/06	9:05 AM	28.97	64	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	09/06/06	2:50 PM	28.87	73	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	10/03/06	2:59 PM	28.84	70	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	01/17/07	12:24 PM	29.05	23	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	04/02/07	9:50 AM	28.59	40	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	07/18/07	11:34 AM	29.87	82	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	10/22/07	4:25 PM	30.01	51	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	01/07/08	9:26 AM	29.82	32	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	04/24/08	2:19 PM	30.00	62	T	--	--	--	0
Harvey's Pattern Works	GMSG-575	07/14/08	9:22 AM	29.87	66	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	10/14/08	10:26 AM	30.17	49	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	01/28/09	9:52 AM	28.56	2	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	04/01/09	11:42 AM	28.18	34	T	--	--	--	0
Harvey's Pattern Works	GMSG-575	07/29/09	11:49 AM	28.54	71	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	10/19/09	3:36 PM	28.53	63	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	04/27/10	1:34 PM	28.63	57	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	10/27/10	10:28 AM	27.86	41	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Harvey's Pattern Works	GMSG-575	07/10/11	10:56 AM	28.61	76	T	--	--	--	0
Harvey's Pattern Works	GMSG-575	10/31/12	2:08 PM	28.53	40	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	11/09/13	2:10 PM	28.41	39	T	--	--	--	0
Harvey's Pattern Works	GMSG-575	08/13/14	9:18 AM	28.75	68	0	--	--	--	0
Harvey's Pattern Works	GMSG-575	08/07/15	10:46 AM	28.64	62	T	--	--	--	0
Harvey's Pattern Works	GMSG-576	06/01/06	11:10 AM	28.91	75	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	06/06/06	2:39 PM	28.55	65	0.19	--	--	--	0
Harvey's Pattern Works	GMSG-576	07/07/06	3:38 PM	28.96	84	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	08/11/06	9:13 AM	28.97	64	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	09/06/06	2:54 PM	28.87	73	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	10/03/06	3:05 PM	28.84	70	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	01/17/07	12:30 PM	29.02	25	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	04/02/07	9:44 AM	28.59	40	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	07/18/07	11:39 AM	29.87	82	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	10/22/07	4:32 PM	30.01	49	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	01/07/08	9:30 AM	29.81	32	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	04/24/08	2:22 PM	30.00	62	T	--	--	--	0
Harvey's Pattern Works	GMSG-576	07/14/08	9:25 AM	29.87	66	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	10/14/08	10:31 AM	30.18	51	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	01/28/09	10:02 AM	28.56	2	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	04/01/09	11:38 AM	28.18	34	T	--	--	--	0
Harvey's Pattern Works	GMSG-576	07/29/09	11:55 AM	28.54	71	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	10/19/09	3:41 PM	28.53	63	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	04/27/10	1:30 PM	28.63	57	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	10/27/10	10:32 AM	27.88	41	T	--	--	--	0
Harvey's Pattern Works	GMSG-576	07/10/11	11:00 AM	28.61	76	T	--	--	--	0
Harvey's Pattern Works	GMSG-576	10/31/12	2:13 PM	28.53	40	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	11/09/13	2:10 PM	28.41	39	T	--	--	--	0
Harvey's Pattern Works	GMSG-576	08/13/14	9:26 AM	28.75	68	0	--	--	--	0
Harvey's Pattern Works	GMSG-576	08/07/15	10:52 AM	28.64	62	T	--	--	--	0
Independent Hair Cutters	GMSG-93	11/15/02	11:07 AM	28.99	26	T	0	0.2	20.5	3
Independent Hair Cutters	GMSG-93	11/19/02	2:19 PM	28.54	47	0	0	0.2	20	0
Independent Hair Cutters	GMSG-93	11/26/02	1:32 PM	29.13	29	0	0	0.1	20.8	0
Independent Hair Cutters	GMSG-93	01/02/03	10:58 AM	28.99	21	0	0	0.1	19.6	0
Independent Hair Cutters	GMSG-93	01/29/03	12:47 PM	29.08	15	T	0	0.1	19.9	0
Independent Hair Cutters	GMSG-93	03/04/03	12:32 PM	28.63	14	T	0	0.1	20	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Independent Hair Cutters	GMSG-93	04/22/03	11:10 AM	28.86	45	0	0	0.3	19.8	0
Independent Hair Cutters	GMSG-93	08/05/03	9:58 AM	28.72	77	0	0	0.2	19.2	0
Independent Hair Cutters	GMSG-93	11/03/03	2:45 PM	29.02	32	T	0	0.2	19.3	0
Independent Hair Cutters	GMSG-93	01/21/04	9:30 AM	28.43	14	T	0	0.2	18.8	0
Independent Hair Cutters	GMSG-93	04/19/04	9:16 AM	28.59	41	0	0	0.3	17.4	0
Independent Hair Cutters	GMSG-93	07/14/04	3:00 PM	28.67	78	0	0	0.2	19.6	0
Independent Hair Cutters	GMSG-93	10/30/04	10:29 AM	27.92	55	T	0	0.3	19.6	0
Independent Hair Cutters	GMSG-93	02/08/05	10:04 AM	28.99	17	0	--	--	--	0
Independent Hair Cutters	GMSG-93	04/04/05	3:08 PM	28.72	56	0	--	--	--	0
Independent Hair Cutters	GMSG-93	07/05/05	1:37 PM	28.87	68	0	--	--	--	0
Independent Hair Cutters	GMSG-93	10/11/05	3:25 PM	28.99	57	0	--	--	--	0
Independent Hair Cutters	GMSG-93	02/27/06	12:41 PM	28.84	20	0	--	--	--	0
Independent Hair Cutters	GMSG-93	04/06/06	3:10 PM	28.50	57	0	--	--	--	0
Independent Hair Cutters	GMSG-93	07/13/06	10:23 AM	28.78	87	0	--	--	--	0
Independent Hair Cutters	GMSG-93	10/10/06	4:32 PM	28.67	49	0	--	--	--	0
Independent Hair Cutters	GMSG-93	02/03/07	8:37 AM	28.44	-6	0	--	--	--	0
Independent Hair Cutters	GMSG-93	04/05/07	11:52 AM	28.88	22	T	--	--	--	0
Independent Hair Cutters	GMSG-93	07/19/07	1:49 PM	30.03	66	0	--	--	--	0
Independent Hair Cutters	GMSG-93	10/18/07	8:42 AM	29.27	60	0.04	--	--	--	0
Independent Hair Cutters	GMSG-93	01/15/08	2:23 PM	29.99	25	0	--	--	--	0
Independent Hair Cutters	GMSG-93	04/14/08	1:49 PM	30.22	47	0	--	--	--	0
Independent Hair Cutters	GMSG-93	07/09/08	9:52 AM	29.89	69	0	--	--	--	0
Independent Hair Cutters	GMSG-93	10/21/08	3:25 PM	30.41	44	0	--	--	--	0
Independent Hair Cutters	GMSG-93	01/05/09	11:22 AM	28.68	3	0	--	--	--	0
Independent Hair Cutters	GMSG-93	04/02/09	2:01 PM	28.42	43	0	--	--	--	0
Independent Hair Cutters	GMSG-93	07/31/09	7:43 AM	28.64	60	0	--	--	--	0
Independent Hair Cutters	GMSG-93	10/23/09	1:21 PM	28.32	36	0.08	--	--	--	0
Independent Hair Cutters	GMSG-93	04/19/10	2:52 PM	28.88	64	0	--	--	--	0
Independent Hair Cutters	GMSG-93	11/03/10	11:48 AM	28.51	54	0	--	--	--	0
Independent Hair Cutters	GMSG-93	07/08/11	9:18 AM	28.63	74	0	--	--	--	0
Independent Hair Cutters	GMSG-93	10/22/12	3:10 PM	28.72	63	0	--	--	--	0
Independent Hair Cutters	GMSG-93	11/06/13	11:59 AM	28.55	37	0	--	--	--	0
Independent Hair Cutters	GMSG-93	08/11/14	1:45 PM	28.64	73	0	--	--	--	0
Independent Hair Cutters	GMSG-93	08/07/15	12:34 PM	28.64	65	T	--	--	--	0
Independent Hair Cutters	GMSG-565	05/05/06	10:22 AM	28.76	45	T	--	--	--	0
Independent Hair Cutters	GMSG-565	05/16/06	8:51 AM	28.64	61	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Independent Hair Cutters	GMSG-565	05/25/06	9:04 AM	28.33	66	0	--	--	--	0
Independent Hair Cutters	GMSG-565	06/01/06	10:33 AM	28.91	75	0	--	--	--	0
Independent Hair Cutters	GMSG-565	07/13/06	10:20 AM	28.78	87	0	--	--	--	0
Independent Hair Cutters	GMSG-565	08/11/06	11:21 AM	28.97	68	0	--	--	--	0
Independent Hair Cutters	GMSG-565	10/10/06	4:38 PM	28.67	49	0	--	--	--	0
Independent Hair Cutters	GMSG-565	02/03/07	8:44 AM	28.44	-6	0	--	--	--	0
Independent Hair Cutters	GMSG-565	04/05/07	11:54 AM	28.88	22	T	--	--	--	0
Independent Hair Cutters	GMSG-565	07/19/07	1:47 PM	30.03	66	0	--	--	--	0
Independent Hair Cutters	GMSG-565	10/18/07	8:46 AM	29.27	60	0.04	--	--	--	0
Independent Hair Cutters	GMSG-565	01/15/08	2:26 PM	29.99	25	0	--	--	--	0
Independent Hair Cutters	GMSG-565	04/14/08	1:47 PM	30.22	47	0	--	--	--	0
Independent Hair Cutters	GMSG-565	07/09/08	9:50 AM	29.89	69	0	--	--	--	0
Independent Hair Cutters	GMSG-565	10/21/08	3:27 PM	30.41	44	0	--	--	--	0
Independent Hair Cutters	GMSG-565	01/05/09	11:27 AM	28.68	3	0	--	--	--	0
Independent Hair Cutters	GMSG-565	04/02/09	1:59 PM	28.42	43	0	--	--	--	0
Independent Hair Cutters	GMSG-565	07/31/09	7:41 AM	28.64	60	0	--	--	--	0
Independent Hair Cutters	GMSG-565	10/23/09	1:20 PM	28.32	36	0.08	--	--	--	0
Independent Hair Cutters	GMSG-565	04/19/10	2:49 PM	28.88	64	0	--	--	--	0
Independent Hair Cutters	GMSG-565	11/03/10	11:45 AM	28.51	54	0	--	--	--	0
Independent Hair Cutters	GMSG-565	07/08/11	9:21 AM	28.63	74	0	--	--	--	0
Independent Hair Cutters	GMSG-565	10/22/12	3:08 PM	28.72	63	0	--	--	--	0
Independent Hair Cutters	GMSG-565	11/06/13	11:56 AM	28.55	37	0	--	--	--	0
Independent Hair Cutters	GMSG-565	08/11/14	1:51 PM	28.64	73	0	--	--	--	0
Independent Hair Cutters	GMSG-565	08/07/15	12:36 PM	28.64	65	T	--	--	--	0
Independent Hair Cutters	GMSG-566	05/05/06	10:23 AM	28.76	45	T	--	--	--	0
Independent Hair Cutters	GMSG-566	05/16/06	8:55 AM	28.64	61	0	--	--	--	0
Independent Hair Cutters	GMSG-566	05/25/06	9:07 AM	28.33	66	0	--	--	--	0
Independent Hair Cutters	GMSG-566	06/01/06	10:34 AM	28.91	75	0	--	--	--	0
Independent Hair Cutters	GMSG-566	07/13/06	10:16 AM	28.78	87	0	--	--	--	0
Independent Hair Cutters	GMSG-566	08/11/06	11:18 AM	28.97	68	0	--	--	--	0
Independent Hair Cutters	GMSG-566	10/10/06	4:36 PM	28.67	49	0	--	--	--	0
Independent Hair Cutters	GMSG-566	02/03/07	8:25 AM	28.42	-13	0	--	--	--	0
Independent Hair Cutters	GMSG-566	04/05/07	11:57 AM	28.88	22	T	--	--	--	0
Independent Hair Cutters	GMSG-566	07/19/07	1:45 PM	30.03	66	0	--	--	--	0
Independent Hair Cutters	GMSG-566	10/18/07	8:32 AM	29.27	60	0.04	--	--	--	0
Independent Hair Cutters	GMSG-566	01/15/08	2:32 PM	30.01	24	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Independent Hair Cutters	GMSG-566	04/14/08	1:45 PM	30.22	47	0	--	--	--	0
Independent Hair Cutters	GMSG-566	07/09/08	9:48 AM	29.89	69	0	--	--	--	0
Independent Hair Cutters	GMSG-566	10/21/08	3:29 PM	30.41	44	0	--	--	--	0
Independent Hair Cutters	GMSG-566	01/05/09	11:34 AM	28.64	6	0	--	--	--	0
Independent Hair Cutters	GMSG-566	04/02/09	1:58 PM	28.42	43	0	--	--	--	0
Independent Hair Cutters	GMSG-566	07/31/09	7:39 AM	28.64	60	0	--	--	--	0
Independent Hair Cutters	GMSG-566	10/23/09	1:18 PM	28.32	36	0.08	--	--	--	0
Independent Hair Cutters	GMSG-566	04/19/10	2:48 PM	28.88	64	0	--	--	--	0
Independent Hair Cutters	GMSG-566	11/03/10	11:44 AM	28.51	54	0	--	--	--	0
Independent Hair Cutters	GMSG-566	07/08/11	9:24 AM	28.63	74	0	--	--	--	0
Independent Hair Cutters	GMSG-566	10/22/12	3:06 PM	28.72	63	0	--	--	--	0
Independent Hair Cutters	GMSG-566	11/06/13	11:55 AM	28.55	37	0	--	--	--	0
Independent Hair Cutters	GMSG-566	08/11/14	1:56 PM	28.64	73	0	--	--	--	0
Independent Hair Cutters	GMSG-566	08/07/15	12:27 PM	28.64	63	T	--	--	--	0
Independent Hair Cutters	GMSG-567	05/05/06	10:25 AM	28.76	45	T	--	--	--	0
Independent Hair Cutters	GMSG-567	05/16/06	8:58 AM	28.64	61	0	--	--	--	0
Independent Hair Cutters	GMSG-567	05/25/06	9:09 AM	28.33	66	0	--	--	--	0
Independent Hair Cutters	GMSG-567	06/01/06	10:36 AM	28.91	75	0	--	--	--	0
Independent Hair Cutters	GMSG-567	07/13/06	10:27 AM	28.78	87	0	--	--	--	0
Independent Hair Cutters	GMSG-567	08/11/06	11:23 AM	28.97	68	0	--	--	--	0
Independent Hair Cutters	GMSG-567	10/10/06	4:34 PM	28.67	49	0	--	--	--	0
Independent Hair Cutters	GMSG-567	02/03/07	8:31 AM	28.44	-6	0	--	--	--	0
Independent Hair Cutters	GMSG-567	04/05/07	11:59 AM	28.88	22	T	--	--	--	0
Independent Hair Cutters	GMSG-567	07/19/07	1:43 PM	30.03	66	0	--	--	--	0
Independent Hair Cutters	GMSG-567	10/18/07	8:37 AM	29.27	60	0.04	--	--	--	0
Independent Hair Cutters	GMSG-567	01/15/08	2:35 PM	30.01	24	0	--	--	--	0
Independent Hair Cutters	GMSG-567	04/14/08	1:51 PM	30.22	47	0	--	--	--	0
Independent Hair Cutters	GMSG-567	07/09/08	9:46 AM	29.89	69	0	--	--	--	0
Independent Hair Cutters	GMSG-567	10/21/08	3:23 PM	30.41	44	0	--	--	--	0
Independent Hair Cutters	GMSG-567	01/05/09	11:40 AM	28.64	6	0	--	--	--	0
Independent Hair Cutters	GMSG-567	04/02/09	1:57 PM	28.42	43	0	--	--	--	0
Independent Hair Cutters	GMSG-567	07/31/09	7:46 AM	28.64	60	0	--	--	--	0
Independent Hair Cutters	GMSG-567	10/23/09	1:16 PM	28.32	36	0.08	--	--	--	0
Independent Hair Cutters	GMSG-567	04/19/10	2:46 PM	28.88	64	0	--	--	--	0
Independent Hair Cutters	GMSG-567	11/03/10	11:42 AM	28.51	54	0	--	--	--	0
Independent Hair Cutters	GMSG-567	07/08/11	9:15 AM	28.63	74	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Independent Hair Cutters	GMSG-567	10/22/12	3:04 PM	28.72	63	0	--	--	--	0
Independent Hair Cutters	GMSG-567	11/06/13	11:57 AM	28.55	37	0	--	--	--	0
Independent Hair Cutters	GMSG-567	08/11/14	1:35 PM	28.64	73	0	--	--	--	0
Independent Hair Cutters	GMSG-567	08/07/15	12:32 PM	28.64	65	T	--	--	--	0
Industrial Distribution Group	GMSG-426	10/29/03	12:52 PM	28.45	43	0	0	0.1	19.1	0
Industrial Distribution Group	GMSG-426	11/03/03	4:45 PM	29.02	32	0.01	0	0.1	19.1	0
Industrial Distribution Group	GMSG-426	11/12/03	12:39 PM	28.20	40	0	0	0	19	0
Industrial Distribution Group	GMSG-426	12/18/03	8:14 AM	28.58	24	0	0	0	19	0
Industrial Distribution Group	GMSG-426	01/29/04	2:00 PM	28.76	6	0	0	0	18.9	0
Industrial Distribution Group	GMSG-426	04/17/04	2:55 PM	28.91	67	0	0	0	17.7	0
Industrial Distribution Group	GMSG-426	07/13/04	11:48 AM	28.55	75	0	0	0.1	19.3	0
Industrial Distribution Group	GMSG-426	10/28/04	9:16 AM	28.98	46	0	0	0.2	19.4	0
Industrial Distribution Group	GMSG-426	01/25/05	1:33 PM	28.26	26	0	0	0.2	19.8	0
Industrial Distribution Group	GMSG-426	07/01/05	2:55 PM	28.72	67	0	--	--	--	0
Industrial Distribution Group	GMSG-426	10/10/05	4:35 PM	28.96	60	0	--	--	--	0
Industrial Distribution Group	GMSG-426	03/29/06	2:51 PM	28.88	52	0	--	--	--	0
Industrial Distribution Group	GMSG-426	04/14/06	11:32 AM	28.34	73	0	--	--	--	0
Industrial Distribution Group	GMSG-426	07/10/06	1:56 PM	28.76	73	0	--	--	--	0
Industrial Distribution Group	GMSG-426	10/03/06	2:19 PM	28.87	70	0	--	--	--	0
Industrial Distribution Group	GMSG-426	01/17/07	11:47 AM	29.05	23	0	--	--	--	0
Industrial Distribution Group	GMSG-426	04/02/07	10:34 AM	28.62	41	0	--	--	--	0
Industrial Distribution Group	GMSG-426	07/18/07	11:05 AM	29.89	79	0	--	--	--	0
Industrial Distribution Group	GMSG-426	10/18/07	4:27 PM	29.15	67	T	--	--	--	0
Industrial Distribution Group	GMSG-426	02/06/08	11:27 AM	29.82	20	T	--	--	--	0
Industrial Distribution Group	GMSG-426	04/24/08	1:52 PM	30.00	62	T	--	--	--	0
Industrial Distribution Group	GMSG-426	07/14/08	8:57 AM	29.87	66	0	--	--	--	0
Industrial Distribution Group	GMSG-426	10/13/08	3:15 PM	30.03	76	0	--	--	--	0
Industrial Distribution Group	GMSG-426	01/28/09	9:25 AM	28.57	0	0	--	--	--	0
Industrial Distribution Group	GMSG-426	04/01/09	11:10 AM	28.18	34	T	--	--	--	0
Industrial Distribution Group	GMSG-426	07/28/09	1:58 PM	28.47	71	0	--	--	--	0
Industrial Distribution Group	GMSG-426	10/19/09	3:10 PM	28.50	66	0	--	--	--	0
Industrial Distribution Group	GMSG-426	04/27/10	11:00 AM	28.66	50	0	--	--	--	0
Industrial Distribution Group	GMSG-426	10/27/10	11:28 AM	27.88	41	T	--	--	--	0
Industrial Distribution Group	GMSG-426	07/09/11	3:55 PM	28.59	80	0	--	--	--	0
Industrial Distribution Group	GMSG-426	10/31/12	1:31 PM	28.53	40	0	--	--	--	0
Industrial Distribution Group	GMSG-426	11/09/13	2:20 PM	28.41	39	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Industrial Distribution Group	GMSG-426	08/14/14	10:10 AM	28.87	66	0	--	--	--	0
Industrial Distribution Group	GMSG-426	08/07/15	2:25 PM	28.64	66	T	--	--	--	0
Industrial Distribution Group	GMSG-427	10/29/03	12:57 PM	28.45	43	0	0	0.8	17.3	0
Industrial Distribution Group	GMSG-427	11/03/03	4:55 PM	29.02	32	0.01	0	0.6	19.6	0
Industrial Distribution Group	GMSG-427	11/12/03	12:43 PM	28.20	40	0	0	0.4	17.8	0
Industrial Distribution Group	GMSG-427	12/18/03	8:43 AM	28.58	24	0	0	0.5	17.1	0
Industrial Distribution Group	GMSG-427	01/20/04	2:00 PM	29.02	14	0	0	0.5	17.8	0
Industrial Distribution Group	GMSG-427	04/17/04	3:03 PM	28.91	67	0	0	0	16.7	0
Industrial Distribution Group	GMSG-427	07/13/04	11:53 AM	28.55	75	0	0	0	19.7	0
Industrial Distribution Group	GMSG-427	10/28/04	9:13 AM	28.98	46	0	0	0.5	18.3	0
Industrial Distribution Group	GMSG-427	01/25/05	2:39 PM	28.25	27	0	0	0.8	18.2	0
Industrial Distribution Group	GMSG-427	07/01/05	3:00 PM	28.72	67	0	--	--	--	0
Industrial Distribution Group	GMSG-427	10/10/05	4:40 PM	28.96	60	0	--	--	--	0
Industrial Distribution Group	GMSG-427	03/29/06	3:04 PM	28.88	52	0	--	--	--	0
Industrial Distribution Group	GMSG-427	04/14/06	11:35 AM	28.34	73	0	--	--	--	0
Industrial Distribution Group	GMSG-427	07/10/06	2:04 PM	28.76	73	0	--	--	--	0
Industrial Distribution Group	GMSG-427	10/03/06	2:24 PM	28.87	70	0	--	--	--	0
Industrial Distribution Group	GMSG-427	01/17/07	11:53 AM	29.05	23	0	--	--	--	0
Industrial Distribution Group	GMSG-427	04/02/07	10:39 AM	28.62	41	0	--	--	--	0
Industrial Distribution Group	GMSG-427	07/18/07	11:10 AM	29.89	79	0	--	--	--	0
Industrial Distribution Group	GMSG-427	10/18/07	4:35 PM	29.15	65	0	--	--	--	0
Industrial Distribution Group	GMSG-427	01/04/08	3:35 PM	29.94	27	0	--	--	--	0
Industrial Distribution Group	GMSG-427	04/24/08	1:57 PM	30.00	62	T	--	--	--	0
Industrial Distribution Group	GMSG-427	07/14/08	9:02 AM	29.87	66	0	--	--	--	0
Industrial Distribution Group	GMSG-427	10/13/08	3:19 PM	30.03	76	0	--	--	--	0
Industrial Distribution Group	GMSG-427	01/28/09	9:40 AM	28.56	2	0	--	--	--	0
Industrial Distribution Group	GMSG-427	05/18/09	2:35 PM	28.75	68	0	--	--	--	0
Industrial Distribution Group	GMSG-427	07/28/09	2:02 PM	28.47	71	0	--	--	--	0
Industrial Distribution Group	GMSG-427	10/19/09	3:13 PM	28.50	66	0	--	--	--	0
Industrial Distribution Group	GMSG-427	04/27/10	11:03 AM	28.66	50	0	--	--	--	0
Industrial Distribution Group	GMSG-427	10/27/10	11:32 AM	27.89	42	T	--	--	--	0
Industrial Distribution Group	GMSG-427	07/09/11	4:06 PM	28.59	80	0	--	--	--	0
Industrial Distribution Group	GMSG-427	10/31/12	1:35 PM	28.53	40	0	--	--	--	0
Industrial Distribution Group	GMSG-427	11/09/13	2:20 PM	28.41	39	T	--	--	--	0
Industrial Distribution Group	GMSG-427	08/20/14	12:45 PM	28.64	66	0	--	--	--	0
Industrial Distribution Group	GMSG-427	08/07/15	2:33 PM	28.65	65	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Industrial Distribution Group	GMSG-584	06/01/06	10:50 AM	28.91	75	0	--	--	--	0
Industrial Distribution Group	GMSG-584	06/06/06	2:25 PM	28.55	68	0	--	--	--	0
Industrial Distribution Group	GMSG-584	06/15/06	12:55 PM	28.85	76	0	--	--	--	0
Industrial Distribution Group	GMSG-584	07/10/06	2:07 PM	28.76	73	0	--	--	--	0
Industrial Distribution Group	GMSG-584	08/11/06	8:48 AM	28.97	64	0	--	--	--	0
Industrial Distribution Group	GMSG-584	09/06/06	2:32 PM	28.87	73	0	--	--	--	0
Industrial Distribution Group	GMSG-584	10/03/06	2:26 PM	28.87	70	0	--	--	--	0
Industrial Distribution Group	GMSG-584	01/17/07	11:42 AM	29.05	23	0	--	--	--	0
Industrial Distribution Group	GMSG-584	04/02/07	10:32 AM	28.62	41	0	--	--	--	0
Industrial Distribution Group	GMSG-584	07/18/07	11:02 AM	29.89	79	0	--	--	--	0
Industrial Distribution Group	GMSG-584	10/18/07	4:41 PM	29.15	65	0	--	--	--	0
Industrial Distribution Group	GMSG-584	01/04/08	3:39 PM	29.94	27	0	--	--	--	0
Industrial Distribution Group	GMSG-584	04/24/08	1:59 PM	30.00	62	T	--	--	--	0
Industrial Distribution Group	GMSG-584	07/14/08	8:55 AM	29.87	66	0	--	--	--	0
Industrial Distribution Group	GMSG-584	10/13/08	3:12 PM	30.03	76	0	--	--	--	0
Industrial Distribution Group	GMSG-584	01/28/09	9:17 AM	28.57	0	0	--	--	--	0
Industrial Distribution Group	GMSG-584	04/01/09	11:08 AM	28.18	34	T	--	--	--	0
Industrial Distribution Group	GMSG-584	07/28/09	2:05 PM	28.47	71	0	--	--	--	0
Industrial Distribution Group	GMSG-584	10/19/09	3:07 PM	28.50	66	0	--	--	--	0
Industrial Distribution Group	GMSG-584	04/27/10	10:58 AM	28.66	50	0	--	--	--	0
Industrial Distribution Group	GMSG-584	10/27/10	11:30 AM	27.89	42	T	--	--	--	0
Industrial Distribution Group	GMSG-584	07/09/11	4:09 PM	28.59	80	0	--	--	--	0
Industrial Distribution Group	GMSG-584	10/31/12	1:28 PM	28.54	39	0	--	--	--	0
Industrial Distribution Group	GMSG-584	11/09/13	2:20 PM	28.41	39	T	--	--	--	0
Industrial Distribution Group	GMSG-584	08/20/14	12:50 PM	28.64	66	0	--	--	--	0
Industrial Distribution Group	GMSG-584	08/07/15	2:22 PM	28.64	66	T	--	--	--	0
Industrial Distribution Group	GMSG-585	06/01/06	10:53 AM	28.91	75	0	--	--	--	0
Industrial Distribution Group	GMSG-585	06/06/06	2:28 PM	28.55	68	0	--	--	--	0
Industrial Distribution Group	GMSG-585	06/15/06	12:57 PM	28.85	76	0	--	--	--	0
Industrial Distribution Group	GMSG-585	07/10/06	2:00 PM	28.76	73	0	--	--	--	0
Industrial Distribution Group	GMSG-585	08/11/06	8:51 AM	28.97	64	0	--	--	--	0
Industrial Distribution Group	GMSG-585	09/06/06	2:36 PM	28.87	73	0	--	--	--	0
Industrial Distribution Group	GMSG-585	10/03/06	2:21 PM	28.87	70	0	--	--	--	0
Industrial Distribution Group	GMSG-585	01/17/07	11:50 AM	29.05	23	0	--	--	--	0
Industrial Distribution Group	GMSG-585	04/02/07	10:36 AM	28.62	41	0	--	--	--	0
Industrial Distribution Group	GMSG-585	07/18/07	11:07 AM	29.89	79	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Industrial Distribution Group	GMSG-585	10/18/07	4:30 PM	29.15	65	0	--	--	--	0
Industrial Distribution Group	GMSG-585	01/04/08	3:27 PM	29.94	28	0	--	--	--	0
Industrial Distribution Group	GMSG-585	04/24/08	1:54 PM	30.00	62	T	--	--	--	0
Industrial Distribution Group	GMSG-585	07/14/08	9:00 AM	29.87	66	0	--	--	--	0
Industrial Distribution Group	GMSG-585	10/13/08	3:17 PM	30.03	76	0	--	--	--	0
Industrial Distribution Group	GMSG-585	01/28/09	9:32 AM	28.56	2	0	--	--	--	0
Industrial Distribution Group	GMSG-585	04/01/09	11:12 AM	28.18	34	T	--	--	--	0
Industrial Distribution Group	GMSG-585	07/28/09	2:00 PM	28.47	71	0	--	--	--	0
Industrial Distribution Group	GMSG-585	10/19/09	3:12 PM	28.50	66	0	--	--	--	0
Industrial Distribution Group	GMSG-585	04/27/10	11:01 AM	28.66	50	0	--	--	--	0
Industrial Distribution Group	GMSG-585	10/27/10	11:33 AM	27.89	42	T	--	--	--	0
Industrial Distribution Group	GMSG-585	07/09/11	4:03 PM	28.59	80	0	--	--	--	0
Industrial Distribution Group	GMSG-585	10/31/12	1:33 PM	28.53	40	0	--	--	--	0
Industrial Distribution Group	GMSG-585	11/09/13	2:20 PM	28.41	39	T	--	--	--	0
Industrial Distribution Group	GMSG-585	08/14/14	10:13 AM	28.87	66	0	--	--	--	0
Industrial Distribution Group	GMSG-585	08/07/15	2:30 PM	28.65	65	T	--	--	--	0
Julie's Top Hat	GMSG-419	10/16/03	8:47 AM	28.79	41	0	0	1.9	18	0
Julie's Top Hat	GMSG-419	10/29/03	1:27 PM	28.45	43	0	0	1	19	0
Julie's Top Hat	GMSG-419	11/03/03	4:10 PM	29.02	32	0	0	0.5	19.1	0
Julie's Top Hat	GMSG-419	11/12/03	12:12 PM	28.23	40	0	0	1.2	18.6	0
Julie's Top Hat	GMSG-419	12/17/03	3:04 PM	28.56	25	0	0	0.5	19	0
Julie's Top Hat	GMSG-419	01/20/04	8:10 AM	29.06	-13	0	0	0.1	19.5	0
Julie's Top Hat	GMSG-419	04/17/04	9:56 AM	28.92	56	0	0	0.1	18	0
Julie's Top Hat	GMSG-419	06/07/04	10:06 AM	28.62	80	0	0	0.9	18.6	0
Julie's Top Hat	GMSG-419	06/07/04	1:45 PM	28.54	84	0	0	1	18.5	0
Julie's Top Hat	GMSG-419	06/07/04	5:26 PM	28.51	84	0	0	0.8	18.8	0
Julie's Top Hat	GMSG-419	06/08/04	8:40 AM	28.66	80	0	0	0	19.9	0
Julie's Top Hat	GMSG-419	06/08/04	1:15 PM	28.69	87	0	0	0.5	19.6	0
Julie's Top Hat	GMSG-419	06/08/04	5:39 PM	28.72	82	0	0	0.8	18.8	0
Julie's Top Hat	GMSG-419	06/09/04	7:30 AM	28.86	57	0.01	0	0	19.8	0
Julie's Top Hat	GMSG-419	06/09/04	10:08 AM	28.90	55	0.04	0	0.4	19.4	0
Julie's Top Hat	GMSG-419	06/09/04	2:09 PM	28.91	54	T	0	0.4	19.4	0
Julie's Top Hat	GMSG-419	06/09/04	6:05 PM	28.90	52	0	0	0.4	19.3	0
Julie's Top Hat	GMSG-419	06/10/04	8:22 AM	28.91	56	0	0	0.4	19.2	0
Julie's Top Hat	GMSG-419	06/10/04	11:45 AM	28.86	65	0	0	0.4	19.8	0
Julie's Top Hat	GMSG-419	06/10/04	2:20 PM	28.83	67	0	0	0.4	19.9	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Julie's Top Hat	GMSG-419	06/10/04	4:08 PM	28.81	65	0	0	2	16.1	0
Julie's Top Hat	GMSG-419	06/11/04	8:15 AM	28.77	55	0	0	0.5	18.9	0
Julie's Top Hat	GMSG-419	06/11/04	11:40 AM	28.79	58	0	--	--	--	0
Julie's Top Hat	GMSG-419	06/11/04	3:35 PM	28.77	61	0	--	--	--	0
Julie's Top Hat	GMSG-419	06/12/04	9:05 AM	28.74	55	0	--	--	--	0
Julie's Top Hat	GMSG-419	06/12/04	2:04 PM	28.66	75	0	0	0.7	18.8	0
Julie's Top Hat	GMSG-419	06/12/04	4:45 PM	28.65	79	0	0	0.6	19.2	--
Julie's Top Hat	GMSG-419	06/13/04	7:48 AM	28.57	65	0	0	0.7	19	--
Julie's Top Hat	GMSG-419	06/13/04	2:44 PM	28.49	69	0	0	0.8	18.7	--
Julie's Top Hat	GMSG-419	06/13/04	6:11 PM	28.45	73	0	0	0.7	19	--
Julie's Top Hat	GMSG-419	06/14/04	9:35 AM	28.59	67	0	0	0.2	20	0
Julie's Top Hat	GMSG-419	06/14/04	11:53 AM	28.59	68	0.01	0	0.1	20.2	0
Julie's Top Hat	GMSG-419	06/14/04	2:32 PM	28.57	70	T	0	0.3	20	0
Julie's Top Hat	GMSG-419	06/14/04	8:02 PM	28.67	64	0	0	0.3	20.1	0
Julie's Top Hat	GMSG-419	06/15/04	7:54 AM	28.85	58	0	0	0.4	19.8	0
Julie's Top Hat	GMSG-419	06/15/04	11:50 AM	28.86	67	0	0	0.4	19.9	0
Julie's Top Hat	GMSG-419	06/15/04	3:13 PM	28.84	70	0	0	0.4	19.8	0
Julie's Top Hat	GMSG-419	06/16/04	7:52 AM	28.82	67	0	0	0.3	19.7	0
Julie's Top Hat	GMSG-419	06/16/04	11:37 AM	28.77	81	0	0	0.4	20	0
Julie's Top Hat	GMSG-419	06/16/04	2:00 PM	28.76	82	0	0	0.4	19.8	0
Julie's Top Hat	GMSG-419	06/17/04	7:33 AM	28.82	59	T	0	0.5	19.7	0
Julie's Top Hat	GMSG-419	06/17/04	2:03 PM	28.81	75	0	0	0.4	20	0
Julie's Top Hat	GMSG-419	06/17/04	5:54 PM	28.81	71	0	0	0.4	19.9	0
Julie's Top Hat	GMSG-419	06/18/04	7:40 AM	28.85	69	0	0	0.4	19.7	0
Julie's Top Hat	GMSG-419	06/18/04	11:00 AM	28.82	74	0	0	0.5	19.7	0
Julie's Top Hat	GMSG-419	06/18/04	8:02 PM	28.96	53	0	0	0.2	20.1	0
Julie's Top Hat	GMSG-419	06/19/04	7:51 AM	29.07	55	0	0	0.3	19.7	0
Julie's Top Hat	GMSG-419	06/19/04	11:37 AM	29.03	65	0	0	0.4	19.7	0
Julie's Top Hat	GMSG-419	06/19/04	3:30 PM	28.95	66	0	0	0.5	20.1	0
Julie's Top Hat	GMSG-419	06/20/04	8:20 AM	28.80	64	0	0	0.5	19.5	0
Julie's Top Hat	GMSG-419	06/20/04	1:26 PM	28.70	73	0	0	0.4	19.8	0
Julie's Top Hat	GMSG-419	06/21/04	8:20 AM	28.49	66	0	0	0.3	19.8	0
Julie's Top Hat	GMSG-419	06/21/04	12:21 PM	28.44	74	0	0	0.3	19.8	0
Julie's Top Hat	GMSG-419	06/21/04	5:09 PM	28.43	59	0.13	0	0.3	19.9	0
Julie's Top Hat	GMSG-419	06/22/04	7:48 AM	28.59	57	0	0	0.5	19.8	0
Julie's Top Hat	GMSG-419	06/22/04	2:05 PM	28.61	66	0	0	0.2	19.4	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Julie's Top Hat	GMSG-419	06/22/04	5:09 PM	28.60	67	0	0	0.4	20.3	0
Julie's Top Hat	GMSG-419	06/23/04	7:35 AM	28.68	56	0	0	0.5	19.8	0
Julie's Top Hat	GMSG-419	06/23/04	1:55 PM	28.65	66	0	0	0.5	20	0
Julie's Top Hat	GMSG-419	06/24/04	7:32 AM	28.63	52	0	0	0.5	20	0
Julie's Top Hat	GMSG-419	06/24/04	1:34 PM	28.76	54	0.01	0	0.4	19	0
Julie's Top Hat	GMSG-419	06/24/04	3:05 PM	28.78	55	T	0	0.4	19.6	0
Julie's Top Hat	GMSG-419	06/25/04	7:33 AM	28.79	58	0	0	0.4	19.2	0
Julie's Top Hat	GMSG-419	06/25/04	1:56 PM	28.76	62	0	0	0.4	19.3	0
Julie's Top Hat	GMSG-419	06/25/04	4:59 PM	28.76	61	0	0	0.4	19.2	0
Julie's Top Hat	GMSG-419	06/26/04	7:50 AM	28.84	56	0	0	0.4	19.2	0
Julie's Top Hat	GMSG-419	06/26/04	12:16 PM	28.83	61	0	0	0.4	19.5	0
Julie's Top Hat	GMSG-419	06/26/04	1:15 PM	28.82	64	0	0	0.4	19.6	0
Julie's Top Hat	GMSG-419	06/26/04	5:20 PM	28.81	66	0	0	0.4	19.1	0
Julie's Top Hat	GMSG-419	06/27/04	10:30 AM	28.87	66	0	0	0.3	19.6	0
Julie's Top Hat	GMSG-419	06/27/04	3:29 PM	28.84	64	0	0	0.3	19.6	0
Julie's Top Hat	GMSG-419	06/28/04	10:47 AM	28.83	72	0	0	0.4	19.5	0
Julie's Top Hat	GMSG-419	06/28/04	2:10 PM	28.80	72	0	0	0.2	19.2	0
Julie's Top Hat	GMSG-419	06/29/04	6:06 PM	28.83	67	0.01	0	0.3	19.9	0
Julie's Top Hat	GMSG-419	06/30/04	8:04 AM	28.80	73	0	0	0.4	19.3	0
Julie's Top Hat	GMSG-419	07/02/04	9:50 AM	28.93	68	0	0	0.3	19.3	--
Julie's Top Hat	GMSG-419	07/06/04	10:44 AM	28.66	54	0.08	0	0.5	18.8	0
Julie's Top Hat	GMSG-419	07/07/04	5:17 PM	28.57	56	T	0	0.5	19.2	0
Julie's Top Hat	GMSG-419	07/08/04	11:55 AM	28.72	61	0	0	0.3	19.4	0
Julie's Top Hat	GMSG-419	07/09/04	11:46 AM	28.88	70	0	0	0.2	19.9	0
Julie's Top Hat	GMSG-419	07/11/04	9:30 AM	28.82	70	0	0	0.3	19.2	0
Julie's Top Hat	GMSG-419	07/12/04	2:40 PM	28.70	82	0	0	0.4	19.2	0
Julie's Top Hat	GMSG-419	08/03/04	5:19 PM	28.71	75	0	0	0.4	19.8	--
Julie's Top Hat	GMSG-419	08/04/04	1:28 PM	28.82	72	0	0	0.4	19.5	--
Julie's Top Hat	GMSG-419	08/07/04	3:01 PM	28.83	70	0	0	0.4	19.1	--
Julie's Top Hat	GMSG-419	08/08/04	1:43 PM	28.81	66	T	0	0.4	19.1	--
Julie's Top Hat	GMSG-419	08/17/04	12:37 PM	28.69	70	0	0	0.4	19.5	0
Julie's Top Hat	GMSG-419	08/18/04	11:23 AM	28.41	75	0	0	0.4	19.6	0
Julie's Top Hat	GMSG-419	10/20/04	12:51 PM	28.88	54	0	0	0.4	19.5	0
Julie's Top Hat	GMSG-419	01/27/05	1:05 PM	29.31	13	0	--	--	--	0
Julie's Top Hat	GMSG-419	04/01/05	2:35 PM	28.73	52	0	--	--	--	0
Julie's Top Hat	GMSG-419	07/05/05	10:17 AM	28.86	60	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Julie's Top Hat	GMSG-419	10/12/05	2:55 PM	28.87	56	0.02	--	--	--	0
Julie's Top Hat	GMSG-419	02/17/06	1:49 PM	29.12	6	T	--	--	--	0
Julie's Top Hat	GMSG-419	04/03/06	11:06 AM	28.59	41	0	--	--	--	0
Julie's Top Hat	GMSG-419	07/07/06	10:19 AM	29.05	81	0	--	--	--	0
Julie's Top Hat	GMSG-419	10/02/06	11:35 AM	28.65	76	0	--	--	--	0
Julie's Top Hat	GMSG-419	01/02/07	11:57 AM	28.89	37	0	--	--	--	0
Julie's Top Hat	GMSG-419	04/02/07	3:43 PM	28.71	46	0	--	--	--	0
Julie's Top Hat	GMSG-419	07/17/07	1:16 PM	29.94	81	0	--	--	--	0
Julie's Top Hat	GMSG-419	10/22/07	1:19 PM	29.99	51	0	--	--	--	0
Julie's Top Hat	GMSG-419	01/04/08	10:13 AM	30.06	13	0	--	--	--	0
Julie's Top Hat	GMSG-419	04/24/08	9:40 AM	30.11	63	0	--	--	--	0
Julie's Top Hat	GMSG-419	07/09/08	2:37 PM	29.90	76	0	--	--	--	0
Julie's Top Hat	GMSG-419	10/13/08	12:57 PM	30.07	74	0	--	--	--	0
Julie's Top Hat	GMSG-419	01/23/09	11:15 AM	28.53	22	T	--	--	--	0
Julie's Top Hat	GMSG-419	03/31/09	11:01 AM	28.53	37	T	--	--	--	0
Julie's Top Hat	GMSG-419	07/29/09	10:39 AM	28.54	71	0	--	--	--	0
Julie's Top Hat	GMSG-419	10/19/09	12:29 PM	28.47	63	0	--	--	--	0
Julie's Top Hat	GMSG-419	04/23/10	12:55 PM	28.61	67	0	--	--	--	0
Julie's Top Hat	GMSG-419	10/28/10	11:29 AM	27.88	41	T	--	--	--	0
Julie's Top Hat	GMSG-419	07/10/11	9:50 AM	28.61	79	0	--	--	--	0
Julie's Top Hat	GMSG-419	11/01/12	2:52 PM	28.54	41	0	--	--	--	0
Julie's Top Hat	GMSG-419	11/09/13	12:15 PM	28.38	40	0	--	--	--	0
Julie's Top Hat	GMSG-419	08/13/14	3:55 PM	28.77	71	0	--	--	--	0
Julie's Top Hat	GMSG-419	08/24/15	12:56 PM	28.51	56	T	--	--	--	0
Julie's Top Hat	GMSG-542	11/23/05	11:15 AM	28.00	26	0.02	--	--	--	0
Julie's Top Hat	GMSG-542	11/28/05	11:06 AM	28.19	44	0.05	--	--	--	0
Julie's Top Hat	GMSG-542	12/07/05	10:54 AM	29.27	21	0	--	--	--	0
Julie's Top Hat	GMSG-542	02/17/06	1:37 PM	29.12	6	T	--	--	--	0
Julie's Top Hat	GMSG-542	03/09/06	4:02 PM	28.13	39	0	--	--	--	0
Julie's Top Hat	GMSG-542	04/03/06	11:00 AM	28.59	41	0	--	--	--	0
Julie's Top Hat	GMSG-542	07/07/06	10:07 AM	29.05	81	0	--	--	--	0
Julie's Top Hat	GMSG-542	10/02/06	11:30 AM	28.65	76	0	--	--	--	0
Julie's Top Hat	GMSG-542	01/02/07	11:52 AM	28.89	37	0	--	--	--	0
Julie's Top Hat	GMSG-542	04/02/07	3:38 PM	28.71	46	0	--	--	--	0
Julie's Top Hat	GMSG-542	07/17/07	1:08 PM	29.94	81	0	--	--	--	0
Julie's Top Hat	GMSG-542	10/22/07	1:12 PM	29.99	51	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Julie's Top Hat	GMSG-542	01/04/08	10:09 AM	30.06	13	0	--	--	--	0
Julie's Top Hat	GMSG-542	04/24/08	9:36 AM	30.11	63	0	--	--	--	0
Julie's Top Hat	GMSG-542	07/09/08	2:33 PM	29.90	76	0	--	--	--	0
Julie's Top Hat	GMSG-542	10/13/08	12:51 PM	30.07	74	0	--	--	--	0
Julie's Top Hat	GMSG-542	01/23/09	11:11 AM	28.53	22	T	--	--	--	0
Julie's Top Hat	GMSG-542	03/31/09	10:58 AM	28.53	37	T	--	--	--	0
Julie's Top Hat	GMSG-542	07/29/09	10:43 AM	28.54	71	0	--	--	--	0
Julie's Top Hat	GMSG-542	10/19/09	12:18 PM	28.47	63	0	--	--	--	0
Julie's Top Hat	GMSG-542	04/23/10	12:49 PM	28.61	67	0	--	--	--	0
Julie's Top Hat	GMSG-542	10/28/10	11:30 AM	27.89	42	T	--	--	--	0
Julie's Top Hat	GMSG-542	07/10/11	9:55 AM	28.61	79	0	--	--	--	0
Julie's Top Hat	GMSG-542	11/01/12	2:47 PM	28.54	41	0	--	--	--	0
Julie's Top Hat	GMSG-542	11/09/13	12:15 PM	28.38	40	0	--	--	--	0
Julie's Top Hat	GMSG-542	08/13/14	4:01 PM	28.77	71	0	--	--	--	0
Julie's Top Hat	GMSG-542	08/04/15	2:23 PM	28.68	70	0	--	--	--	0
Julie's Top Hat	GMSG-543R	12/07/05	11:04 AM	29.27	21	0	--	--	--	0
Julie's Top Hat	GMSG-543R	12/13/05	2:14 PM	28.88	24	0	--	--	--	0
Julie's Top Hat	GMSG-543R	12/20/05	11:42 AM	28.92	22	0	--	--	--	0
Julie's Top Hat	GMSG-543R	02/17/06	1:45 PM	29.12	6	T	--	--	--	0
Julie's Top Hat	GMSG-543R	03/09/06	4:08 PM	28.13	39	0	--	--	--	0
Julie's Top Hat	GMSG-543R	04/03/06	11:10 AM	28.59	41	0	--	--	--	0
Julie's Top Hat	GMSG-543R	07/07/06	10:12 AM	29.05	81	0	--	--	--	0
Julie's Top Hat	GMSG-543R	10/02/06	11:37 AM	28.65	76	0	--	--	--	0
Julie's Top Hat	GMSG-543R	01/02/07	11:59 AM	28.89	37	0	--	--	--	0
Julie's Top Hat	GMSG-543R	04/02/07	3:46 PM	28.71	46	0	--	--	--	0
Julie's Top Hat	GMSG-543R	07/17/07	1:18 PM	29.94	81	0	--	--	--	0
Julie's Top Hat	GMSG-543R	10/22/07	1:22 PM	29.99	51	0	--	--	--	0
Julie's Top Hat	GMSG-543R	01/04/08	10:16 AM	30.06	13	0	--	--	--	0
Julie's Top Hat	GMSG-543R	04/24/08	9:42 AM	30.11	63	0	--	--	--	0
Julie's Top Hat	GMSG-543R	07/09/08	2:39 PM	29.90	76	0	--	--	--	0
Julie's Top Hat	GMSG-543R	10/13/08	12:59 PM	30.07	74	0	--	--	--	0
Julie's Top Hat	GMSG-543R	01/23/09	11:18 AM	28.53	22	T	--	--	--	0
Julie's Top Hat	GMSG-543R	03/31/09	11:03 AM	28.53	37	T	--	--	--	0
Julie's Top Hat	GMSG-543R	07/29/09	10:36 AM	28.54	71	0	--	--	--	0
Julie's Top Hat	GMSG-543R	10/19/09	12:31 PM	28.46	65	0	--	--	--	0
Julie's Top Hat	GMSG-543R	04/23/10	12:58 PM	28.61	67	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Julie's Top Hat	GMSG-543R	10/28/10	11:27 AM	27.88	41	T	--	--	--	0
Julie's Top Hat	GMSG-543R	07/10/11	9:53 AM	28.61	79	0	--	--	--	0
Julie's Top Hat	GMSG-543R	11/01/12	2:55 PM	28.54	41	0	--	--	--	0
Julie's Top Hat	GMSG-543R	11/09/13	12:15 PM	28.38	40	0	--	--	--	0
Julie's Top Hat	GMSG-543R	08/13/14	3:58 PM	28.77	71	0	--	--	--	0
Julie's Top Hat	GMSG-543R	08/04/15	2:20 PM	28.68	70	0	--	--	--	0
Julie's Top Hat	GMSG-544	11/23/05	11:23 AM	28.00	26	0.02	--	--	--	0
Julie's Top Hat	GMSG-544	11/28/05	11:09 AM	28.19	44	0.05	--	--	--	0
Julie's Top Hat	GMSG-544	12/07/05	10:58 AM	29.27	21	0	--	--	--	0
Julie's Top Hat	GMSG-544	02/17/06	1:39 PM	29.12	6	T	--	--	--	0
Julie's Top Hat	GMSG-544	03/09/06	4:05 PM	28.13	39	0	--	--	--	0
Julie's Top Hat	GMSG-544	04/03/06	11:03 AM	28.59	41	0	--	--	--	0
Julie's Top Hat	GMSG-544	07/07/06	10:24 AM	29.05	81	0	--	--	--	0
Julie's Top Hat	GMSG-544	10/02/06	11:03 AM	28.66	73	0	--	--	--	0
Julie's Top Hat	GMSG-544	01/02/07	11:55 AM	28.89	37	0	--	--	--	0
Julie's Top Hat	GMSG-544	04/02/07	3:41 PM	28.71	46	0	--	--	--	0
Julie's Top Hat	GMSG-544	07/17/07	1:14 PM	29.94	81	0	--	--	--	0
Julie's Top Hat	GMSG-544	10/22/07	1:16 PM	29.99	51	0	--	--	--	0
Julie's Top Hat	GMSG-544	01/04/08	10:11 AM	30.06	13	0	--	--	--	0
Julie's Top Hat	GMSG-544	04/24/08	9:38 AM	30.11	63	0	--	--	--	0
Julie's Top Hat	GMSG-544	07/09/08	2:35 PM	29.90	76	0	--	--	--	0
Julie's Top Hat	GMSG-544	10/13/08	12:55 PM	30.07	74	0	--	--	--	0
Julie's Top Hat	GMSG-544	01/23/09	11:23 AM	28.53	22	T	--	--	--	0
Julie's Top Hat	GMSG-544	03/31/09	10:59 AM	28.53	37	T	--	--	--	0
Julie's Top Hat	GMSG-544	04/30/10	10:53 AM	28.18	70	0	--	--	--	0
Julie's Top Hat	GMSG-544	10/28/10	11:33 AM	27.89	42	T	--	--	--	0
Julie's Top Hat	GMSG-544	07/10/11	9:57 AM	28.61	79	0	--	--	--	0
Julie's Top Hat	GMSG-544	11/01/12	2:50 PM	28.54	41	0	--	--	--	0
Julie's Top Hat	GMSG-544	11/09/13	12:15 PM	28.38	40	0	--	--	--	0
Julie's Top Hat	GMSG-544	08/13/14	3:52 PM	28.77	71	0	--	--	--	0
Julie's Top Hat	GMSG-544	08/04/15	2:25 PM	28.68	70	0	--	--	--	0
K.H.P.	GMSG-81	07/13/02	10:54 AM	28.80	81	0	0	0.2	20.7	0
K.H.P.	GMSG-81	07/22/02	1:31 PM	28.68	82	0	0	0	21.3	0
K.H.P.	GMSG-81	08/12/02	10:15 AM	28.66	71	T	0	0.5	20.1	0
K.H.P.	GMSG-81	09/30/02	1:31 PM	28.55	73	0	0	0.3	20.1	0
K.H.P.	GMSG-81	10/29/02	12:19 PM	28.96	43	0	0	0.1	19.9	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-81	11/19/02	1:04 PM	28.53	46	0	0	0	20	0
K.H.P.	GMSG-81	01/30/03	11:36 AM	28.74	28	0	0	0	19.8	0
K.H.P.	GMSG-81	04/21/03	1:41 PM	28.56	40	T	0	0	20	0
K.H.P.	GMSG-81	08/05/03	9:17 AM	28.73	73	0	0	0.4	18.6	0
K.H.P.	GMSG-81	11/03/03	9:28 AM	29.06	35	0	0	0.1	19.3	0
K.H.P.	GMSG-81	01/20/04	10:29 AM	29.08	3	0	0	0	18.7	0
K.H.P.	GMSG-81	04/18/04	12:52 PM	28.50	50	0	0	0.2	17.1	0
K.H.P.	GMSG-81	07/14/04	4:30 PM	28.67	77	0	0	0.3	19.1	0
K.H.P.	GMSG-81	10/31/04	12:58 PM	--	--	--	0	0	19.9	0
K.H.P.	GMSG-81	02/01/05	3:52 PM	29.11	35	0	--	--	--	0
K.H.P.	GMSG-81	04/05/05	10:36 AM	28.58	65	0	--	--	--	0
K.H.P.	GMSG-81	07/01/05	12:05 PM	28.68	63	0	--	--	--	0
K.H.P.	GMSG-81	10/14/05	11:45 AM	28.67	65	0	--	--	--	0
K.H.P.	GMSG-81	03/06/06	1:19 PM	29.00	34	0	--	--	--	0
K.H.P.	GMSG-81	04/14/06	2:54 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-81	07/14/06	1:24 PM	28.67	81	0	--	--	--	0
K.H.P.	GMSG-81	10/10/06	10:05 AM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-81	02/01/07	3:10 PM	28.37	19	0	--	--	--	0
K.H.P.	GMSG-81	04/09/07	10:24 AM	28.85	31	0	--	--	--	0
K.H.P.	GMSG-81	07/20/07	1:42 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-81	10/19/07	10:07 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-81	02/05/08	3:15 PM	29.94	35	0	--	--	--	0
K.H.P.	GMSG-81	04/28/08	1:02 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-81	07/16/08	10:58 AM	30.12	82	0	--	--	--	0
K.H.P.	GMSG-81	10/14/08	2:11 PM	30.13	56	0	--	--	--	0
K.H.P.	GMSG-81	01/28/09	11:10 AM	28.55	7	0	--	--	--	0
K.H.P.	GMSG-81	04/21/09	2:37 PM	28.30	35	T	--	--	--	0
K.H.P.	GMSG-81	07/29/09	2:05 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-81	10/20/09	10:05 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-81	04/26/10	10:07 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-81	11/09/10	12:45 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-81	07/10/11	1:57 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-81	10/29/12	1:55 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-81	11/13/13	3:30 PM	28.56	45	0	--	--	--	0
K.H.P.	GMSG-81	11/24/15	3:32 PM	28.97	34		--	--	--	0
K.H.P.	GMSG-81B	08/26/05	3:05 PM	28.66	77	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-81B	08/31/05	3:50 PM	28.65	76	0	--	--	--	0
K.H.P.	GMSG-81B	09/09/05	1:39 PM	28.88	78	0	--	--	--	0
K.H.P.	GMSG-81B	10/14/05	11:41 AM	28.67	65	0	--	--	--	0
K.H.P.	GMSG-81B	11/14/05	10:44 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-81B	12/15/05	10:06 AM	28.46	30	0	--	--	--	0
K.H.P.	GMSG-81B	03/06/06	1:40 PM	29.00	37	0	--	--	--	0
K.H.P.	GMSG-81B	04/14/06	2:56 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-81B	07/14/06	1:20 PM	28.67	81	0	--	--	--	0
K.H.P.	GMSG-81B	10/10/06	10:01 AM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-81B	02/09/07	9:41 AM	28.95	10	0	--	--	--	0
K.H.P.	GMSG-81B	04/09/07	10:26 AM	28.85	31	0	--	--	--	0
K.H.P.	GMSG-81B	07/20/07	1:43 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-81B	10/19/07	10:08 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-81B	02/05/08	3:18 PM	29.94	35	0	--	--	--	0
K.H.P.	GMSG-81B	04/28/08	1:03 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-81B	07/16/08	10:59 AM	30.12	82	0	--	--	--	0
K.H.P.	GMSG-81B	10/14/08	2:09 PM	30.13	56	0	--	--	--	0
K.H.P.	GMSG-81B	01/28/09	11:12 AM	28.55	7	0	--	--	--	0
K.H.P.	GMSG-81B	04/21/09	2:38 PM	28.30	35	T	--	--	--	0
K.H.P.	GMSG-81B	07/29/09	2:07 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-81B	10/20/09	10:06 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-81B	04/26/10	10:08 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-81B	11/09/10	12:46 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-81B	07/10/11	1:59 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-81B	10/29/12	1:57 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-81B	11/13/13	3:30 PM	28.56	45	0	--	--	--	0
K.H.P.	GMSG-81B	08/25/14	3:03 PM	28.64	85	0	--	--	--	0
K.H.P.	GMSG-81B	11/24/15	3:30 PM	28.98	36		--	--	--	0
K.H.P.	GMSG-81C	08/26/05	3:08 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-81C	08/31/05	3:53 PM	28.65	76	0	--	--	--	0
K.H.P.	GMSG-81C	09/09/05	1:41 PM	28.88	78	0	--	--	--	0
K.H.P.	GMSG-81C	10/14/05	11:42 AM	28.67	65	0	--	--	--	0
K.H.P.	GMSG-81C	11/14/05	10:45 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-81C	12/15/05	10:08 AM	28.46	30	0	--	--	--	0
K.H.P.	GMSG-81C	03/06/06	1:45 PM	29.00	37	0	--	--	--	0
K.H.P.	GMSG-81C	04/14/06	2:57 PM	28.36	71	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-81C	07/14/06	1:22 PM	28.67	81	0	--	--	--	0
K.H.P.	GMSG-81C	10/10/06	10:03 AM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-81C	02/09/07	9:42 AM	28.95	10	0	--	--	--	0
K.H.P.	GMSG-81C	04/09/07	10:27 AM	28.85	31	0	--	--	--	0
K.H.P.	GMSG-81C	07/20/07	1:44 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-81C	10/19/07	10:09 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-81C	02/05/08	3:19 PM	29.94	35	0	--	--	--	0
K.H.P.	GMSG-81C	04/28/08	1:04 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-81C	07/16/08	11:00 AM	30.12	82	0	--	--	--	0
K.H.P.	GMSG-81C	10/14/08	2:10 PM	30.13	56	0	--	--	--	0
K.H.P.	GMSG-81C	01/28/09	11:13 AM	28.55	7	0	--	--	--	0
K.H.P.	GMSG-81C	04/21/09	2:39 PM	28.30	35	T	--	--	--	0
K.H.P.	GMSG-81C	07/29/09	2:08 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-81C	10/20/09	10:07 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-81C	04/26/10	10:09 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-81C	11/09/10	12:47 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-81C	07/10/11	2:00 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-81C	10/29/12	1:58 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-81C	11/13/13	3:30 PM	28.56	45	0	--	--	--	0
K.H.P.	GMSG-81C	08/25/14	3:04 PM	28.64	85	0	--	--	--	0
K.H.P.	GMSG-81C	11/24/15	3:31 PM	28.97	34		--	--	--	0
K.H.P.	GMSG-83	07/13/02	11:07 AM	28.80	81	0	0	0.3	20.5	0
K.H.P.	GMSG-83	07/22/02	1:36 PM	28.68	82	0	0	0.4	20.1	0
K.H.P.	GMSG-83	08/12/02	10:30 AM	28.65	77	0	0	0.5	20	0
K.H.P.	GMSG-83	09/30/02	1:37 PM	28.55	73	0	0	0.4	20.1	0
K.H.P.	GMSG-83	10/29/02	12:35 PM	28.95	42	0	0	0.2	19.8	0
K.H.P.	GMSG-83	11/19/02	1:12 PM	28.53	46	0	0	0.1	19.9	0
K.H.P.	GMSG-83	01/30/03	12:30 PM	28.70	30	0	0	0	20	0
K.H.P.	GMSG-83	04/21/03	12:00 AM	28.74	35	0	0	0.1	19.8	0
K.H.P.	GMSG-83	08/05/03	9:25 AM	28.73	73	0	0	0.4	18.6	0
K.H.P.	GMSG-83	11/03/03	9:45 AM	29.06	35	0	0	0.2	19	0
K.H.P.	GMSG-83	01/20/04	10:39 AM	29.07	9	0	0	0	18.6	0
K.H.P.	GMSG-83	04/18/04	12:59 PM	28.50	50	0	0	0.1	17.3	0
K.H.P.	GMSG-83	07/14/04	4:38 PM	28.67	77	0	0	0.3	18.6	0
K.H.P.	GMSG-83	10/31/04	1:12 PM	--	--	--	0	0.3	19.7	0
K.H.P.	GMSG-83	02/01/05	3:18 PM	29.10	35	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-83	04/05/05	10:28 AM	28.57	59	0	--	--	--	0
K.H.P.	GMSG-83	07/01/05	11:40 AM	28.68	63	0	--	--	--	0
K.H.P.	GMSG-83	10/14/05	1:05 PM	28.64	68	0	--	--	--	0
K.H.P.	GMSG-83	10/17/05	3:55 PM	28.41	62	0	--	--	--	0
K.H.P.	GMSG-83	03/01/06	1:50 PM	28.70	31	0	--	--	--	0
K.H.P.	GMSG-83	04/14/06	2:32 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-83	07/14/06	2:02 PM	28.65	83	0	--	--	--	0
K.H.P.	GMSG-83	10/25/06	3:18 PM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-83	02/01/07	3:38 PM	28.37	19	0	--	--	--	0
K.H.P.	GMSG-83	04/10/07	11:06 AM	28.85	36	0	--	--	--	0
K.H.P.	GMSG-83	07/20/07	1:51 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-83	10/19/07	8:55 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-83	02/06/08	1:31 PM	29.76	23	0	--	--	--	0
K.H.P.	GMSG-83	04/28/08	1:41 PM	30.05	38	0	--	--	--	0
K.H.P.	GMSG-83	07/18/08	10:18 AM	29.92	75	0	--	--	--	0
K.H.P.	GMSG-83	10/14/08	11:26 AM	30.18	51	0	--	--	--	0
K.H.P.	GMSG-83	04/21/09	2:09 PM	28.27	34	T	--	--	--	0
K.H.P.	GMSG-83	07/29/09	2:26 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-83	10/20/09	9:50 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-83	04/26/10	10:16 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-83	11/09/10	12:54 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-83	07/10/11	2:08 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-83	10/29/12	2:08 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-83	11/13/13	11:40 AM	28.71	43	0	--	--	--	0
K.H.P.	GMSG-83	08/25/14	2:55 PM	28.64	85	0	--	--	--	0
K.H.P.	GMSG-83	11/25/15	9:43 AM	28.79	40	0	--	--	--	0
K.H.P.	GMSG-83B	08/26/05	3:22 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-83B	08/31/05	3:25 PM	28.63	76	0	--	--	--	0
K.H.P.	GMSG-83B	09/09/05	1:21 PM	28.89	77	0	--	--	--	0
K.H.P.	GMSG-83B	10/14/05	11:26 AM	28.72	62	0	--	--	--	0
K.H.P.	GMSG-83B	10/17/05	3:58 PM	28.41	62	0	--	--	--	0
K.H.P.	GMSG-83B	11/14/05	10:52 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-83B	12/15/05	10:30 AM	28.45	31	0	--	--	--	0
K.H.P.	GMSG-83B	03/01/06	1:54 PM	28.70	31	0	--	--	--	0
K.H.P.	GMSG-83B	04/14/06	2:34 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-83B	07/14/06	1:56 PM	28.65	83	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-83B	10/25/06	3:20 PM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-83B	02/01/07	3:39 PM	28.37	19	0	--	--	--	0
K.H.P.	GMSG-83B	04/10/07	11:08 AM	28.85	36	0	--	--	--	0
K.H.P.	GMSG-83B	07/20/07	1:53 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-83B	10/19/07	8:50 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-83B	02/06/08	1:33 PM	29.76	23	0	--	--	--	0
K.H.P.	GMSG-83B	04/28/08	1:42 PM	30.05	38	0	--	--	--	0
K.H.P.	GMSG-83B	07/18/08	10:19 AM	29.92	75	0	--	--	--	0
K.H.P.	GMSG-83B	10/14/08	11:23 AM	30.18	51	0	--	--	--	0
K.H.P.	GMSG-83B	04/21/09	2:13 PM	28.27	34	T	--	--	--	0
K.H.P.	GMSG-83B	07/29/09	2:27 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-83B	10/20/09	9:51 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-83B	04/26/10	10:17 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-83B	11/09/10	12:56 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-83B	07/10/11	2:09 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-83B	10/29/12	2:05 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-83B	11/13/13	3:30 PM	28.56	45	0	--	--	--	0
K.H.P.	GMSG-83B	08/25/14	2:51 PM	28.64	85	0	--	--	--	0
K.H.P.	GMSG-83B	11/25/15	9:44 AM	28.79	40		--	--	--	0
K.H.P.	GMSG-83C	08/26/05	3:24 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-83C	08/31/05	3:23 PM	28.63	76	0	--	--	--	0
K.H.P.	GMSG-83C	09/09/05	1:24 PM	28.89	77	0	--	--	--	0
K.H.P.	GMSG-83C	10/14/05	11:28 AM	28.72	62	0	--	--	--	0
K.H.P.	GMSG-83C	10/17/05	4:00 PM	28.41	62	0	--	--	--	0
K.H.P.	GMSG-83C	11/14/05	10:53 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-83C	12/15/05	10:32 AM	28.45	31	0	--	--	--	0
K.H.P.	GMSG-83C	03/01/06	1:56 PM	28.70	31	0	--	--	--	0
K.H.P.	GMSG-83C	04/14/06	2:35 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-83C	07/14/06	1:58 PM	28.65	83	0	--	--	--	0
K.H.P.	GMSG-83C	10/25/06	3:21 PM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-83C	02/01/07	3:40 PM	28.37	19	0	--	--	--	0
K.H.P.	GMSG-83C	04/10/07	11:09 AM	28.85	36	0	--	--	--	0
K.H.P.	GMSG-83C	07/20/07	1:54 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-83C	10/19/07	8:50 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-83C	02/06/08	1:34 PM	29.76	23	0	--	--	--	0
K.H.P.	GMSG-83C	04/28/08	1:43 PM	30.05	38	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-83C	07/18/08	10:20 AM	29.92	75	0	--	--	--	0
K.H.P.	GMSG-83C	10/14/08	11:24 AM	30.18	51	0	--	--	--	0
K.H.P.	GMSG-83C	04/21/09	2:15 PM	28.27	34	T	--	--	--	0
K.H.P.	GMSG-83C	07/29/09	2:28 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-83C	10/20/09	9:52 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-83C	04/26/10	10:18 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-83C	11/09/10	12:57 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-83C	07/10/11	2:10 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-83C	10/29/12	2:07 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-83C	11/13/13	3:30 PM	28.56	45	0	--	--	--	0
K.H.P.	GMSG-83C	08/25/14	2:53 PM	28.64	85	0	--	--	--	0
K.H.P.	GMSG-83C	11/25/15	9:45 AM	28.79	40	0	--	--	--	0
K.H.P.	GMSG-497A	08/26/05	3:12 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-497A	08/31/05	3:35 PM	28.65	76	0	--	--	--	0
K.H.P.	GMSG-497A	09/09/05	1:30 PM	28.88	78	0	--	--	--	0
K.H.P.	GMSG-497A	10/21/05	10:09 AM	28.91	41	0	--	--	--	0
K.H.P.	GMSG-497A	11/14/05	10:47 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-497A	12/15/05	10:16 AM	28.46	30	0	--	--	--	0
K.H.P.	GMSG-497A	03/01/06	2:07 PM	28.70	31	0	--	--	--	0
K.H.P.	GMSG-497A	04/14/06	2:17 PM	28.35	72	0	--	--	--	0
K.H.P.	GMSG-497A	07/14/06	1:12 PM	28.67	81	0	--	--	--	0
K.H.P.	GMSG-497A	10/10/06	10:11 AM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-497A	02/01/07	3:25 PM	28.37	19	0	--	--	--	0
K.H.P.	GMSG-497A	04/09/07	10:20 AM	28.85	31	0	--	--	--	0
K.H.P.	GMSG-497A	07/20/07	1:47 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-497A	10/19/07	10:00 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-497A	01/25/08	1:16 PM	30.14	24	0	--	--	--	0
K.H.P.	GMSG-497A	04/28/08	1:06 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-497A	07/16/08	11:02 AM	30.12	82	0	--	--	--	0
K.H.P.	GMSG-497A	10/14/08	2:13 PM	30.13	56	0	--	--	--	0
K.H.P.	GMSG-497A	01/28/09	11:03 AM	28.55	7	0	--	--	--	0
K.H.P.	GMSG-497A	04/21/09	2:43 PM	28.30	35	T	--	--	--	0
K.H.P.	GMSG-497A	07/29/09	2:01 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-497A	10/20/09	10:00 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-497A	04/26/10	10:11 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-497A	11/09/10	12:50 PM	28.73	57	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-497A	07/10/11	2:03 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-497A	10/29/12	2:00 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-497A	11/13/13	3:30 PM	28.56	45	0	--	--	--	0
K.H.P.	GMSG-497A	08/25/14	2:57 PM	28.64	85	0	--	--	--	0
K.H.P.	GMSG-497A	08/11/15	9:32 AM	28.83	70	0	--	--	--	0
K.H.P.	GMSG-497B	08/26/05	3:14 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-497B	08/31/05	3:38 PM	28.65	76	0	--	--	--	0
K.H.P.	GMSG-497B	09/09/05	1:32 PM	28.88	78	0	--	--	--	0
K.H.P.	GMSG-497B	10/13/05	9:52 AM	28.85	56	0	--	--	--	0
K.H.P.	GMSG-497B	10/21/05	10:10 AM	28.91	41	0	--	--	--	0
K.H.P.	GMSG-497B	11/14/05	10:48 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-497B	12/15/05	10:18 AM	28.46	30	0	--	--	--	0
K.H.P.	GMSG-497B	03/01/06	2:09 PM	28.70	31	0	--	--	--	0
K.H.P.	GMSG-497B	04/14/06	2:18 PM	28.35	72	0	--	--	--	0
K.H.P.	GMSG-497B	07/14/06	1:14 PM	28.67	81	0	--	--	--	0
K.H.P.	GMSG-497B	10/10/06	10:13 AM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-497B	02/01/07	3:26 PM	28.37	19	0	--	--	--	0
K.H.P.	GMSG-497B	04/09/07	10:21 AM	28.85	31	0	--	--	--	0
K.H.P.	GMSG-497B	07/20/07	1:48 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-497B	10/19/07	10:01 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-497B	01/25/08	1:17 PM	30.14	24	0	--	--	--	0
K.H.P.	GMSG-497B	04/28/08	1:07 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-497B	07/16/08	11:03 AM	30.12	82	0	--	--	--	0
K.H.P.	GMSG-497B	10/14/08	2:14 PM	30.13	56	0	--	--	--	0
K.H.P.	GMSG-497B	01/28/09	11:04 AM	28.55	7	0	--	--	--	0
K.H.P.	GMSG-497B	04/21/09	2:44 PM	28.30	35	T	--	--	--	0
K.H.P.	GMSG-497B	07/29/09	2:02 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-497B	10/20/09	10:01 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-497B	04/26/10	10:12 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-497B	11/09/10	12:51 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-497B	07/10/11	2:04 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-497B	10/29/12	2:01 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-497B	11/13/13	3:30 PM	28.56	45	0	--	--	--	0
K.H.P.	GMSG-497B	08/25/14	2:58 PM	28.64	85	0	--	--	--	0
K.H.P.	GMSG-497B	08/11/15	9:23 AM	28.81	71	0	--	--	--	0
K.H.P.	GMSG-497C	08/26/05	3:17 PM	28.66	77	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-497C	08/31/05	3:40 PM	28.65	76	0	--	--	--	0
K.H.P.	GMSG-497C	09/09/05	1:35 PM	28.88	78	0	--	--	--	0
K.H.P.	GMSG-497C	10/13/05	9:53 AM	28.85	56	0	--	--	--	0
K.H.P.	GMSG-497C	10/21/05	10:13 AM	28.91	41	0	--	--	--	0
K.H.P.	GMSG-497C	11/14/05	10:49 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-497C	12/15/05	10:20 AM	28.46	30	0	--	--	--	0
K.H.P.	GMSG-497C	03/01/06	2:10 PM	28.70	31	0	--	--	--	0
K.H.P.	GMSG-497C	04/14/06	2:19 PM	28.35	72	0	--	--	--	0
K.H.P.	GMSG-497C	07/14/06	1:16 PM	28.67	81	0	--	--	--	0
K.H.P.	GMSG-497C	10/10/06	10:15 AM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-497C	02/01/07	3:27 PM	28.37	19	0	--	--	--	0
K.H.P.	GMSG-497C	04/09/07	10:22 AM	28.85	31	0	--	--	--	0
K.H.P.	GMSG-497C	07/20/07	1:49 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-497C	10/19/07	10:02 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-497C	01/25/08	1:18 PM	30.14	24	0	--	--	--	0
K.H.P.	GMSG-497C	04/28/08	1:08 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-497C	07/16/08	11:04 AM	30.12	82	0	--	--	--	0
K.H.P.	GMSG-497C	10/14/08	2:15 PM	30.13	56	0	--	--	--	0
K.H.P.	GMSG-497C	01/28/09	11:05 AM	28.55	7	0	--	--	--	0
K.H.P.	GMSG-497C	04/21/09	2:46 PM	28.30	35	T	--	--	--	0
K.H.P.	GMSG-497C	07/29/09	2:03 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-497C	10/20/09	10:02 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-497C	04/26/10	10:13 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-497C	11/09/10	12:52 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-497C	07/10/11	2:05 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-497C	10/29/12	2:03 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-497C	11/13/13	3:30 PM	28.56	45	0	--	--	--	0
K.H.P.	GMSG-497C	08/25/14	2:59 PM	28.64	85	0	--	--	--	0
K.H.P.	GMSG-497C	08/11/15	9:24 AM	28.81	71	0	--	--	--	0
K.H.P.	GMSG-498A	08/26/05	2:39 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-498A	08/31/05	3:14 PM	28.63	76	0	--	--	--	0
K.H.P.	GMSG-498A	09/09/05	1:15 PM	28.89	77	0	--	--	--	0
K.H.P.	GMSG-498A	10/14/05	11:35 AM	28.67	65	0	--	--	--	0
K.H.P.	GMSG-498A	11/14/05	10:55 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-498A	12/15/05	11:16 AM	28.45	31	0	--	--	--	0
K.H.P.	GMSG-498A	03/01/06	1:43 PM	28.70	31	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-498A	04/14/06	2:41 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-498A	07/14/06	10:30 AM	28.68	70	0.11	--	--	--	0
K.H.P.	GMSG-498A	10/10/06	9:49 AM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-498A	02/02/07	2:16 PM	28.37	18	0	--	--	--	0
K.H.P.	GMSG-498A	04/12/07	1:46 PM	28.52	34	T	--	--	--	0
K.H.P.	GMSG-498A	07/20/07	1:26 PM	30.22	73	0	--	--	--	0
K.H.P.	GMSG-498A	10/19/07	10:29 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-498A	01/25/08	11:24 AM	30.19	14	0	--	--	--	0
K.H.P.	GMSG-498A	04/28/08	12:50 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-498A	07/16/08	11:19 AM	30.12	82	0	--	--	--	0
K.H.P.	GMSG-498A	10/14/08	11:29 AM	30.18	51	0	--	--	--	0
K.H.P.	GMSG-498A	01/28/09	10:51 AM	28.55	7	0	--	--	--	0
K.H.P.	GMSG-498A	04/21/09	2:18 PM	28.27	34	T	--	--	--	0
K.H.P.	GMSG-498A	07/29/09	2:23 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-498A	10/20/09	11:54 AM	28.85	45	T	--	--	--	0
K.H.P.	GMSG-498A	04/26/10	10:19 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-498A	11/09/10	12:32 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-498A	07/10/11	2:12 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-498A	10/29/12	2:09 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-498A	11/13/13	3:00 PM	28.58	45	0	--	--	--	0
K.H.P.	GMSG-498A	08/25/14	2:46 PM	28.64	85	0	--	--	--	0
K.H.P.	GMSG-498A	08/11/15	9:32 AM	28.83	70	0	--	--	--	0
K.H.P.	GMSG-498B	08/26/05	2:41 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-498B	08/31/05	3:16 PM	28.63	76	0	--	--	--	0
K.H.P.	GMSG-498B	09/09/05	1:17 PM	28.89	77	0	--	--	--	0
K.H.P.	GMSG-498B	10/14/05	11:37 AM	28.67	65	0	--	--	--	0
K.H.P.	GMSG-498B	11/14/05	10:57 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-498B	12/15/05	11:18 AM	28.45	31	0	--	--	--	0
K.H.P.	GMSG-498B	03/01/06	1:45 PM	28.70	31	0	--	--	--	0
K.H.P.	GMSG-498B	04/14/06	2:42 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-498B	07/14/06	10:32 AM	28.68	70	0.11	--	--	--	0
K.H.P.	GMSG-498B	10/10/06	9:51 AM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-498B	02/02/07	2:17 PM	28.37	18	0	--	--	--	0
K.H.P.	GMSG-498B	04/12/07	1:47 PM	28.52	34	T	--	--	--	0
K.H.P.	GMSG-498B	07/20/07	1:27 PM	30.22	73	0	--	--	--	0
K.H.P.	GMSG-498B	10/19/07	10:30 AM	28.98	54	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-498B	01/25/08	11:25 AM	30.19	14	0	--	--	--	0
K.H.P.	GMSG-498B	04/28/08	12:51 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-498B	07/16/08	11:20 AM	30.12	82	0	--	--	--	0
K.H.P.	GMSG-498B	10/14/08	11:30 AM	30.16	54	0	--	--	--	0
K.H.P.	GMSG-498B	01/28/09	10:52 AM	28.55	7	0	--	--	--	0
K.H.P.	GMSG-498B	04/21/09	2:20 PM	28.27	34	T	--	--	--	0
K.H.P.	GMSG-498B	07/29/09	2:24 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-498B	10/20/09	11:55 AM	28.85	45	T	--	--	--	0
K.H.P.	GMSG-498B	04/26/10	10:20 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-498B	11/09/10	12:33 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-498B	07/10/11	2:13 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-498B	10/29/12	2:10 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-498B	11/13/13	3:00 PM	28.58	45	0	--	--	--	0
K.H.P.	GMSG-498B	08/25/14	2:47 PM	28.64	85	0	--	--	--	0
K.H.P.	GMSG-498B	08/11/15	9:34 AM	28.83	70	0	--	--	--	0
K.H.P.	GMSG-499A	08/26/05	2:44 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-499A	08/31/05	4:21 PM	28.65	76	0	--	--	--	0
K.H.P.	GMSG-499A	09/09/05	1:10 PM	28.89	77	0	--	--	--	0
K.H.P.	GMSG-499A	10/14/05	1:55 PM	28.62	68	0	--	--	--	0
K.H.P.	GMSG-499A	11/14/05	11:02 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-499A	12/15/05	10:45 AM	28.45	31	0	--	--	--	0
K.H.P.	GMSG-499A	03/01/06	1:32 PM	28.70	31	0	--	--	--	0
K.H.P.	GMSG-499A	04/14/06	2:44 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-499A	07/14/06	1:49 PM	28.65	83	0	--	--	--	0
K.H.P.	GMSG-499A	10/10/06	9:53 AM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-499A	02/02/07	11:09 AM	28.40	13	0	--	--	--	0
K.H.P.	GMSG-499A	04/09/07	11:04 AM	28.84	33	0	--	--	--	0
K.H.P.	GMSG-499A	07/20/07	1:31 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-499A	10/19/07	10:25 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-499A	01/25/08	11:32 AM	30.17	19	0	--	--	--	0
K.H.P.	GMSG-499A	04/30/08	12:10 PM	29.94	54	0	--	--	--	0
K.H.P.	GMSG-499A	07/16/08	11:16 AM	30.12	82	0	--	--	--	0
K.H.P.	GMSG-499A	10/14/08	11:19 AM	30.18	51	0	--	--	--	0
K.H.P.	GMSG-499A	01/28/09	10:34 AM	28.55	7	0	--	--	--	0
K.H.P.	GMSG-499A	04/21/09	2:23 PM	28.27	34	T	--	--	--	0
K.H.P.	GMSG-499A	07/29/09	2:20 PM	28.56	71	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-499A	10/20/09	10:16 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-499A	04/26/10	10:23 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-499A	11/09/10	12:36 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-499A	07/10/11	2:17 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-499A	10/29/12	2:13 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-499A	11/13/13	3:00 PM	28.58	45	0	--	--	--	0
K.H.P.	GMSG-499A	08/25/14	2:43 PM	28.64	85	0	--	--	--	0
K.H.P.	GMSG-499A	08/11/15	9:35 AM	28.83	70	0	--	--	--	0
K.H.P.	GMSG-499C	08/26/05	2:46 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-499C	08/31/05	4:23 PM	28.65	76	0	--	--	--	0
K.H.P.	GMSG-499C	09/09/05	1:12 PM	28.89	77	0	--	--	--	0
K.H.P.	GMSG-499C	10/14/05	1:56 PM	28.62	68	0	--	--	--	0
K.H.P.	GMSG-499C	11/14/05	11:03 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-499C	12/15/05	10:47 AM	28.45	31	0	--	--	--	0
K.H.P.	GMSG-499C	03/01/06	1:33 PM	28.70	31	0	--	--	--	0
K.H.P.	GMSG-499C	04/14/06	2:45 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-499C	07/14/06	1:51 PM	28.65	83	0	--	--	--	0
K.H.P.	GMSG-499C	10/10/06	9:55 AM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-499C	02/02/07	11:10 AM	28.40	13	0	--	--	--	0
K.H.P.	GMSG-499C	04/09/07	11:05 AM	28.84	33	0	--	--	--	0
K.H.P.	GMSG-499C	07/20/07	1:32 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-499C	10/19/07	10:26 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-499C	01/25/08	11:33 AM	30.17	19	0	--	--	--	0
K.H.P.	GMSG-499C	04/30/08	12:12 PM	29.94	54	0	--	--	--	0
K.H.P.	GMSG-499C	07/16/08	11:17 AM	30.12	82	0	--	--	--	0
K.H.P.	GMSG-499C	10/14/08	11:20 AM	30.18	51	0	--	--	--	0
K.H.P.	GMSG-499C	01/28/09	10:35 AM	28.55	7	0	--	--	--	0
K.H.P.	GMSG-499C	04/21/09	2:25 PM	28.27	34	T	--	--	--	0
K.H.P.	GMSG-499C	07/29/09	2:21 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-499C	10/20/09	10:17 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-499C	04/26/10	10:24 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-499C	11/09/10	12:37 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-499C	07/10/11	2:18 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-499C	10/29/12	2:14 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-499C	11/13/13	3:00 PM	28.58	45	0	--	--	--	0
K.H.P.	GMSG-499C	08/25/14	2:44 PM	28.64	85	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-499C	08/11/15	9:37 AM	28.83	70	0	--	--	--	0
K.H.P.	GMSG-500A	08/26/05	2:51 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-500A	08/31/05	4:11 PM	28.65	76	0	--	--	--	0
K.H.P.	GMSG-500A	09/09/05	1:01 PM	28.89	77	0	--	--	--	0
K.H.P.	GMSG-500A	10/14/05	11:50 AM	28.67	65	0	--	--	--	0
K.H.P.	GMSG-500A	11/14/05	11:07 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-500A	12/15/05	10:59 AM	28.45	31	0	--	--	--	0
K.H.P.	GMSG-500A	03/01/06	2:31 PM	28.69	31	0	--	--	--	0
K.H.P.	GMSG-500A	04/14/06	2:47 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-500A	07/14/06	1:41 PM	28.65	83	0	--	--	--	0
K.H.P.	GMSG-500A	10/10/06	10:26 AM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-500A	02/02/07	11:14 AM	28.40	13	0	--	--	--	0
K.H.P.	GMSG-500A	04/09/07	11:09 AM	28.84	33	0	--	--	--	0
K.H.P.	GMSG-500A	07/20/07	1:35 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-500A	10/19/07	10:19 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-500A	02/05/08	3:10 PM	29.94	35	0	--	--	--	0
K.H.P.	GMSG-500A	04/28/08	12:55 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-500A	07/18/08	9:27 AM	29.92	72	0	--	--	--	0
K.H.P.	GMSG-500A	10/14/08	2:01 PM	30.13	56	0	--	--	--	0
K.H.P.	GMSG-500A	01/28/09	10:24 AM	28.56	2	0	--	--	--	0
K.H.P.	GMSG-500A	04/21/09	2:28 PM	28.27	34	T	--	--	--	0
K.H.P.	GMSG-500A	07/29/09	2:15 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-500A	10/20/09	10:12 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-500A	04/26/10	10:00 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-500A	11/09/10	12:39 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-500A	07/10/11	1:52 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-500A	10/29/12	2:17 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-500A	11/13/13	3:00 PM	28.58	45	0	--	--	--	0
K.H.P.	GMSG-500A	08/25/14	1:41 PM	28.64	84	0	--	--	--	0
K.H.P.	GMSG-500A	08/11/15	9:42 AM	28.83	70	0	--	--	--	0
K.H.P.	GMSG-500B	08/26/05	2:53 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-500B	08/31/05	4:13 PM	28.65	76	0	--	--	--	0
K.H.P.	GMSG-500B	09/09/05	1:03 PM	28.89	77	0	--	--	--	0
K.H.P.	GMSG-500B	10/14/05	11:52 AM	28.67	65	0	--	--	--	0
K.H.P.	GMSG-500B	11/14/05	11:08 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-500B	12/15/05	11:01 AM	28.45	31	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-500B	03/01/06	2:33 PM	28.69	31	0	--	--	--	0
K.H.P.	GMSG-500B	04/14/06	2:48 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-500B	07/14/06	1:43 PM	28.65	83	0	--	--	--	0
K.H.P.	GMSG-500B	10/10/06	10:28 AM	28.95	46	0	--	--	--	0
K.H.P.	GMSG-500B	02/02/07	11:15 AM	28.40	13	0	--	--	--	0
K.H.P.	GMSG-500B	04/09/07	11:10 AM	28.84	33	0	--	--	--	0
K.H.P.	GMSG-500B	07/20/07	1:36 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-500B	10/19/07	10:20 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-500B	02/05/08	3:11 PM	29.94	35	0	--	--	--	0
K.H.P.	GMSG-500B	04/28/08	12:56 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-500B	07/18/08	9:28 AM	29.92	72	0	--	--	--	0
K.H.P.	GMSG-500B	10/14/08	2:02 PM	30.13	56	0	--	--	--	0
K.H.P.	GMSG-500B	01/28/09	10:25 AM	28.56	2	0	--	--	--	0
K.H.P.	GMSG-500B	04/21/09	2:29 PM	28.27	34	T	--	--	--	0
K.H.P.	GMSG-500B	07/29/09	2:16 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-500B	10/20/09	10:13 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-500B	04/26/10	10:01 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-500B	11/09/10	12:40 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-500B	07/10/11	1:53 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-500B	10/29/12	2:18 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-500B	11/13/13	3:00 PM	28.58	45	0	--	--	--	0
K.H.P.	GMSG-500B	08/25/14	1:42 PM	28.64	84	0	--	--	--	0
K.H.P.	GMSG-500B	08/11/15	9:43 AM	28.83	70	0	--	--	--	0
K.H.P.	GMSG-500C	08/26/05	2:56 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-500C	08/31/05	4:15 PM	28.65	76	0	--	--	--	0
K.H.P.	GMSG-500C	09/09/05	1:06 PM	28.89	77	0	--	--	--	0
K.H.P.	GMSG-500C	10/14/05	11:53 AM	28.67	65	0	--	--	--	0
K.H.P.	GMSG-500C	11/14/05	11:09 AM	29.06	34	0	--	--	--	0
K.H.P.	GMSG-500C	12/15/05	11:03 AM	28.45	31	0	--	--	--	0
K.H.P.	GMSG-500C	03/01/06	2:35 PM	28.69	31	0	--	--	--	0
K.H.P.	GMSG-500C	04/14/06	2:49 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-500C	07/14/06	1:45 PM	28.65	83	0	--	--	--	0
K.H.P.	GMSG-500C	10/10/06	10:30 AM	28.91	48	0	--	--	--	0
K.H.P.	GMSG-500C	02/02/07	11:16 AM	28.40	13	0	--	--	--	0
K.H.P.	GMSG-500C	04/09/07	11:11 AM	28.84	33	0	--	--	--	0
K.H.P.	GMSG-500C	07/20/07	1:37 PM	30.21	73	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-500C	10/19/07	10:21 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-500C	02/05/08	3:12 PM	29.94	35	0	--	--	--	0
K.H.P.	GMSG-500C	04/28/08	12:57 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-500C	07/18/08	9:29 AM	29.92	72	0	--	--	--	0
K.H.P.	GMSG-500C	10/14/08	2:03 PM	30.13	56	0	--	--	--	0
K.H.P.	GMSG-500C	01/28/09	10:26 AM	28.56	2	0	--	--	--	0
K.H.P.	GMSG-500C	04/21/09	2:30 PM	28.30	35	T	--	--	--	0
K.H.P.	GMSG-500C	07/29/09	2:17 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-500C	10/20/09	10:14 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-500C	04/26/10	10:02 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-500C	11/09/10	12:41 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-500C	07/10/11	1:54 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-500C	10/29/12	2:19 PM	29.01	46	0	--	--	--	0
K.H.P.	GMSG-500C	11/13/13	3:00 PM	28.58	45	0	--	--	--	0
K.H.P.	GMSG-500C	08/25/14	1:43 PM	28.64	84	0	--	--	--	0
K.H.P.	GMSG-500C	08/11/15	9:44 AM	28.83	70	0	--	--	--	0
K.H.P.	GMSG-505A	08/26/05	2:59 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-505A	08/31/05	4:01 PM	28.65	76	0	--	--	--	0
K.H.P.	GMSG-505A	09/09/05	12:54 PM	28.89	77	0	--	--	--	0
K.H.P.	GMSG-505A	10/17/05	3:15 PM	28.39	61	0	--	--	--	0
K.H.P.	GMSG-505A	11/16/05	9:49 AM	28.39	31	T	--	--	--	0
K.H.P.	GMSG-505A	12/15/05	12:21 PM	28.43	32	0	--	--	--	0
K.H.P.	GMSG-505A	03/01/06	1:21 PM	28.72	29	0	--	--	--	0
K.H.P.	GMSG-505A	04/14/06	2:51 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-505A	07/14/06	1:30 PM	28.65	83	0	--	--	--	0
K.H.P.	GMSG-505A	10/10/06	10:33 AM	28.91	48	0	--	--	--	0
K.H.P.	GMSG-505A	02/02/07	11:26 AM	28.40	13	0	--	--	--	0
K.H.P.	GMSG-505A	04/09/07	10:30 AM	28.84	33	0	--	--	--	0
K.H.P.	GMSG-505A	07/20/07	1:39 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-505A	10/19/07	10:13 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-505A	02/05/08	2:58 PM	29.94	35	0	--	--	--	0
K.H.P.	GMSG-505A	04/28/08	12:59 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-505A	07/16/08	11:08 AM	30.12	82	0	--	--	--	0
K.H.P.	GMSG-505A	10/14/08	2:05 PM	30.13	56	0	--	--	--	0
K.H.P.	GMSG-505A	01/28/09	10:16 AM	28.56	2	0	--	--	--	0
K.H.P.	GMSG-505A	04/21/09	2:33 PM	28.30	35	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-505A	07/29/09	2:10 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-505A	10/20/09	10:09 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-505A	04/26/10	10:04 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-505A	11/09/10	12:43 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-505A	07/10/11	1:48 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-505A	12/18/12	3:36 PM	28.42	29	0	--	--	--	0
K.H.P.	GMSG-505A	11/13/13	2:00 PM	28.61	48	0	--	--	--	0
K.H.P.	GMSG-505A	09/30/14	1:00 PM	28.79	54	0	--	--	--	0
K.H.P.	GMSG-505A	08/11/15	9:47 AM	28.83	70	0	--	--	--	0
K.H.P.	GMSG-505C	08/26/05	3:01 PM	28.66	77	0	--	--	--	0
K.H.P.	GMSG-505C	08/31/05	4:03 PM	28.65	76	0	--	--	--	0
K.H.P.	GMSG-505C	09/09/05	12:56 PM	28.89	77	0	--	--	--	0
K.H.P.	GMSG-505C	10/17/05	3:18 PM	28.39	61	0	--	--	--	0
K.H.P.	GMSG-505C	11/16/05	9:51 AM	28.39	31	T	--	--	--	0
K.H.P.	GMSG-505C	12/15/05	12:23 PM	28.43	32	0	--	--	--	0
K.H.P.	GMSG-505C	03/01/06	1:23 PM	28.72	29	0	--	--	--	0
K.H.P.	GMSG-505C	04/14/06	2:52 PM	28.36	71	0	--	--	--	0
K.H.P.	GMSG-505C	07/14/06	1:32 PM	28.65	83	0	--	--	--	0
K.H.P.	GMSG-505C	10/10/06	10:35 AM	28.91	48	0	--	--	--	0
K.H.P.	GMSG-505C	02/02/07	11:27 AM	28.40	13	0	--	--	--	0
K.H.P.	GMSG-505C	04/09/07	10:31 AM	28.84	33	0	--	--	--	0
K.H.P.	GMSG-505C	07/20/07	1:40 PM	30.21	73	0	--	--	--	0
K.H.P.	GMSG-505C	10/19/07	10:14 AM	28.98	53	T	--	--	--	0
K.H.P.	GMSG-505C	02/05/08	2:59 PM	29.94	35	0	--	--	--	0
K.H.P.	GMSG-505C	04/28/08	1:00 PM	30.06	36	0	--	--	--	0
K.H.P.	GMSG-505C	07/16/08	11:09 AM	30.12	82	0	--	--	--	0
K.H.P.	GMSG-505C	10/14/08	2:06 PM	30.13	56	0	--	--	--	0
K.H.P.	GMSG-505C	01/28/09	10:17 AM	28.56	2	0	--	--	--	0
K.H.P.	GMSG-505C	04/21/09	2:34 PM	28.30	35	T	--	--	--	0
K.H.P.	GMSG-505C	07/29/09	2:11 PM	28.56	71	0	--	--	--	0
K.H.P.	GMSG-505C	10/20/09	10:10 AM	28.82	44	0	--	--	--	0
K.H.P.	GMSG-505C	04/26/10	10:05 AM	28.45	55	0	--	--	--	0
K.H.P.	GMSG-505C	11/09/10	12:44 PM	28.73	57	0	--	--	--	0
K.H.P.	GMSG-505C	07/10/11	1:49 PM	28.58	88	0	--	--	--	0
K.H.P.	GMSG-505C	12/18/12	3:37 PM	28.42	29	0	--	--	--	0
K.H.P.	GMSG-505C	11/13/13	2:00 PM	28.61	48	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
K.H.P.	GMSG-505C	09/30/14	1:01 PM	28.79	54	0	--	--	--	0
K.H.P.	GMSG-505C	08/11/15	9:50 AM	28.83	70	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	10/14/03	9:53 AM	28.50	51	0	0	1.2	17.2	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	10/29/03	1:21 PM	28.45	43	0	0	0.5	19.1	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	11/12/03	12:17 PM	28.23	40	0	0	0.6	18	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	12/17/03	3:33 PM	28.59	24	0	0	0.5	18.3	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	01/20/04	8:34 AM	29.06	-3	0	0	0.2	18.9	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	01/29/04	1:40 PM	28.76	6	0	0	0.3	18.7	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	04/17/04	10:38 AM	28.92	60	0	0	0.4	17.7	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/08/04	1:22 PM	28.69	87	0	0	0.3	19.5	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/09/04	10:06 AM	28.90	55	0.04	0	0.4	19.6	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/09/04	2:04 PM	28.91	54	T	0	0.5	19.1	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/10/04	8:28 AM	28.91	56	0	0	0.5	19	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/12/04	8:50 AM	28.74	55	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/13/04	6:50 PM	28.49	59	0.24	0	0.7	18.6	--
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/14/04	9:40 AM	28.59	67	0	0	0.4	19.5	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/15/04	7:36 AM	28.85	58	0	0	0.4	19.5	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/16/04	7:55 AM	28.82	67	0	0	0.5	19.5	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/16/04	2:04 PM	28.76	82	0	0	0.4	19.7	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/17/04	7:37 AM	28.82	59	T	0	0.4	19.7	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/18/04	7:45 AM	28.85	69	0	0	0.3	19.4	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/21/04	8:24 AM	28.49	66	0	0	0.5	19.5	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/22/04	7:53 AM	28.59	57	0	0	0.5	19.8	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/23/04	2:01 PM	28.65	66	0	0	0.5	19.6	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/24/04	7:37 AM	28.63	52	0	0	0.5	19.7	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/25/04	7:38 AM	28.79	58	0	0	0.7	18.8	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/26/04	7:55 AM	28.84	56	0	0	0.8	18.6	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/27/04	10:25 AM	28.88	66	0	0	0.4	19.3	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	06/28/04	2:05 PM	28.80	72	0	0	0.5	19.2	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	07/13/04	10:50 AM	28.60	75	0	0	0.5	18.7	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	10/25/04	2:09 PM	28.82	55	0	0	0.3	19.7	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	01/27/05	1:57 PM	29.30	15	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	04/01/05	3:08 PM	28.73	52	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	07/05/05	10:43 AM	28.88	62	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	10/10/05	2:05 PM	28.96	62	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	02/22/06	2:14 PM	28.50	30	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kingdom Hall of Jehovah's Witnesses	GMSG-420	04/03/06	11:19 AM	28.59	41	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	07/06/06	11:30 AM	29.03	81	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	10/02/06	12:46 PM	28.63	78	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	10/09/06	11:41 AM	29.13	48	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	01/02/07	1:31 PM	28.83	40	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	04/02/07	3:17 PM	28.69	48	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	07/17/07	1:24 PM	29.94	81	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	10/18/07	2:50 PM	29.16	66	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	01/04/08	10:49 AM	30.04	20	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	04/24/08	9:51 AM	30.11	63	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	07/10/08	11:52 AM	29.94	74	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	10/13/08	1:22 PM	30.07	74	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	01/27/09	11:51 AM	28.98	4	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	03/31/09	11:13 AM	28.53	37	T	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	07/29/09	10:17 AM	28.54	69	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	10/19/09	12:40 PM	28.46	65	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	04/23/10	1:20 PM	28.61	67	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	10/28/10	11:20 AM	27.88	41	T	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	07/09/11	5:46 PM	28.58	80	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	11/01/12	2:58 PM	28.54	41	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	11/09/13	2:30 PM	28.44	39	T	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	08/13/14	2:50 PM	28.76	73	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-420	08/08/15	9:31 AM	28.74	68	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	09/09/05	11:06 AM	28.92	72	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	09/15/05	9:43 AM	29.01	65	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	09/20/05	2:37 PM	28.78	79	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	09/29/05	11:40 AM	28.82	53	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	10/10/05	2:15 PM	28.96	62	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	11/08/05	3:48 PM	28.80	46	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	12/07/05	2:09 PM	29.27	23	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	02/22/06	2:25 PM	28.50	30	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	04/03/06	11:25 AM	28.59	41	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	07/06/06	11:26 AM	29.03	79	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	10/02/06	12:54 PM	28.63	78	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	10/09/06	11:43 AM	29.13	48	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	01/02/07	1:38 PM	28.83	40	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kingdom Hall of Jehovah's Witnesses	GMSG-507	04/02/07	3:25 PM	28.69	48	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	07/17/07	1:32 PM	29.92	82	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	10/18/07	2:52 PM	29.16	66	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	01/04/08	10:57 AM	30.04	20	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	04/24/08	9:53 AM	30.11	63	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	07/10/08	11:59 AM	29.94	74	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	10/13/08	1:29 PM	30.07	74	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	01/27/09	12:03 PM	28.98	4	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	03/31/09	11:18 AM	28.53	37	T	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	07/29/09	10:15 AM	28.54	69	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	10/19/09	12:46 PM	28.46	65	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	04/23/10	1:28 PM	28.61	67	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	10/28/10	11:18 AM	27.88	41	T	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	07/09/11	5:48 PM	28.58	80	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	11/01/12	3:05 PM	28.54	41	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	11/09/13	2:30 PM	28.44	39	T	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	08/13/14	3:00 PM	28.76	73	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-507	08/08/15	9:36 AM	28.74	68	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	09/15/05	9:39 AM	29.01	65	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	09/20/05	2:40 PM	28.78	79	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	09/29/05	11:49 AM	28.82	53	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	10/10/05	2:10 PM	28.96	62	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	11/08/05	3:40 PM	28.80	46	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	12/07/05	2:06 PM	29.27	23	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	02/22/06	2:18 PM	28.50	30	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	04/03/06	11:21 AM	28.59	41	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	07/06/06	11:34 AM	29.03	81	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	10/02/06	12:48 PM	28.63	78	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	10/09/06	11:39 AM	29.13	48	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	01/02/07	1:33 PM	28.83	40	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	04/02/07	3:20 PM	28.69	48	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	07/17/07	1:26 PM	29.94	81	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	10/18/07	2:47 PM	29.16	66	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	01/04/08	10:52 AM	30.04	20	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	04/24/08	9:55 AM	30.11	63	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	07/10/08	11:55 AM	29.94	74	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kingdom Hall of Jehovah's Witnesses	GMSG-508	10/13/08	1:25 PM	30.07	74	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	01/27/09	11:56 AM	28.98	4	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	03/31/09	11:14 AM	28.53	37	T	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	07/29/09	10:19 AM	28.54	69	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	10/19/09	12:42 PM	28.46	65	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	04/23/10	1:24 PM	28.61	67	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	10/28/10	11:14 AM	27.88	41	T	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	07/09/11	5:44 PM	28.58	80	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	11/01/12	3:00 PM	28.54	41	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	11/09/13	2:30 PM	28.44	39	T	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	08/13/14	2:54 PM	28.76	73	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-508	08/08/15	9:24 AM	28.75	65	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	09/15/05	9:48 AM	29.01	65	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	09/20/05	2:43 PM	28.78	79	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	09/29/05	11:45 AM	28.82	53	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	10/10/05	2:12 PM	28.96	62	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	11/08/05	3:44 PM	28.80	46	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	12/07/05	2:02 PM	29.27	23	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	02/22/06	2:21 PM	28.50	30	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	04/03/06	11:23 AM	28.59	41	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	07/06/06	11:44 AM	29.03	81	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	10/02/06	12:50 PM	28.63	78	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	10/09/06	11:36 AM	29.13	48	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	01/02/07	1:35 PM	28.83	40	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	04/02/07	3:22 PM	28.69	48	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	07/17/07	1:28 PM	29.94	81	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	10/18/07	2:55 PM	29.16	66	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	01/04/08	10:54 AM	30.04	20	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	04/24/08	9:57 AM	30.11	63	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	07/10/08	11:57 AM	29.94	74	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	10/13/08	1:27 PM	30.07	74	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	01/27/09	11:59 AM	28.98	4	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	03/31/09	11:16 AM	28.53	37	T	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	07/29/09	10:21 AM	28.54	69	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	10/19/09	12:44 PM	28.46	65	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	04/23/10	1:26 PM	28.61	67	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kingdom Hall of Jehovah's Witnesses	GMSG-509	10/28/10	11:16 AM	27.88	41	T	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	07/09/11	5:42 PM	28.58	80	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	11/01/12	3:03 PM	28.54	41	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	11/09/13	2:30 PM	28.44	39	T	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	08/13/14	2:56 PM	28.76	73	0	--	--	--	0
Kingdom Hall of Jehovah's Witnesses	GMSG-509	08/08/15	9:20 AM	28.75	65	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-677	07/02/15	2:21 PM	28.76	75	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-677	07/03/15	1:35 PM	28.61	74	T	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-677	07/04/15	10:30 AM	28.71	75		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-677	07/09/15	2:42 PM	28.70	78	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-677	07/12/15	1:28 PM	28.70	78	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-677	07/21/15	2:05 PM	28.61	77	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-677	07/29/15	3:05 PM	28.54	82	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-677	09/09/15	10:05 AM	28.71	69	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-677	11/30/15	1:55 PM	28.89	38		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-677	12/28/15	2:42 PM	28.92	20		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-678	07/02/15	2:24 PM	28.76	75	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-678	07/03/15	1:42 PM	28.61	74	T	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-678	07/04/15	10:41 AM	28.71	75	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-678	07/09/15	2:44 PM	28.70	78	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-678	07/12/15	1:31 PM	28.69	79	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-678	07/21/15	2:08 PM	28.61	77	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-678	07/29/15	3:19 PM	28.54	82	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-678	09/09/15	10:09 AM	28.71	69	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-678	10/27/15	3:31 PM	28.89	53		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-678	11/30/15	1:53 PM	28.89	38		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-678	12/28/15	2:39 PM	28.92	20		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-679	07/12/15	12:50 PM	28.70	78	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-679	07/12/15	1:34 PM	28.69	79	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-679	07/21/15	2:13 PM	28.61	77		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-679	07/29/15	3:22 PM	28.54	82	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-679	09/09/15	10:11 AM	28.71	69	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-679	10/27/15	3:32 PM	28.89	53		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-679	11/30/15	1:50 PM	28.89	38		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-679	12/28/15	2:37 PM	28.92	20		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-680	07/12/15	12:45 PM	28.70	78	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kingsford Broach & Tool-New Building	GMSG-680	07/12/15	1:37 PM	28.69	79	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-680	07/21/15	2:17 PM	28.61	77	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-680	07/29/15	3:24 PM	28.54	82	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-680	09/09/15	10:15 AM	28.71	69	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-680	10/27/15	3:35 PM	28.89	53		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-680	11/30/15	1:48 PM	28.89	38		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-680	12/28/15	2:34 PM	28.92	20		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-681	09/09/15	10:18 AM	28.71	69	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-681	09/20/15	3:49 PM	28.82	70	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-681	09/24/15	3:17 PM	29.03	69	0	--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-681	10/27/15	3:37 PM	28.89	53		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-681	11/30/15	1:46 PM	28.89	38		--	--	--	0
Kingsford Broach & Tool-New Building	GMSG-681	12/28/15	2:30 PM	28.92	20		--	--	--	0
Kingsford Public Safety Department	GMSG-418	10/29/03	1:34 PM	28.48	43	0	0	0	19.2	0
Kingsford Public Safety Department	GMSG-418	11/03/03	3:55 PM	29.02	32	0	0	0.1	19.5	0
Kingsford Public Safety Department	GMSG-418	11/12/03	12:05 PM	28.23	40	0	0	0	19.2	0
Kingsford Public Safety Department	GMSG-418	12/17/03	2:50 PM	28.56	25	0	0	0	19.4	0
Kingsford Public Safety Department	GMSG-418	01/19/04	3:45 PM	28.94	7	0	0	0	18.5	0
Kingsford Public Safety Department	GMSG-418	04/17/04	12:00 PM	28.92	63	0	0	0	17.7	0
Kingsford Public Safety Department	GMSG-418	07/12/04	6:16 PM	28.69	83	0	0	0.6	18.6	0
Kingsford Public Safety Department	GMSG-418	10/20/04	1:39 PM	28.88	55	0	0	0.2	19.8	0
Kingsford Public Safety Department	GMSG-418	01/27/05	10:21 AM	29.36	-2	T	--	--	--	0
Kingsford Public Safety Department	GMSG-418	04/01/05	3:02 PM	28.73	52	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	07/05/05	10:00 AM	28.86	60	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	10/10/05	1:20 PM	28.98	61	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	02/22/06	11:17 AM	28.51	28	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	04/03/06	9:47 AM	28.58	40	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	07/07/06	9:58 AM	29.05	81	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	10/02/06	10:31 AM	28.66	73	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	01/02/07	10:28 AM	28.96	29	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	04/03/07	9:49 AM	28.67	35	T	--	--	--	0
Kingsford Public Safety Department	GMSG-418	07/17/07	10:50 AM	29.95	79	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	10/18/07	2:14 PM	29.16	68	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	01/03/08	1:00 PM	30.11	20	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	04/23/08	2:14 PM	30.17	73	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	07/09/08	2:02 PM	29.89	75	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kingsford Public Safety Department	GMSG-418	10/02/08	2:00 PM	29.75	53	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	01/23/09	10:36 AM	28.53	22	T	--	--	--	0
Kingsford Public Safety Department	GMSG-418	03/30/09	1:19 PM	28.77	41	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	07/30/09	9:36 AM	28.58	61	0.01	--	--	--	0
Kingsford Public Safety Department	GMSG-418	10/19/09	11:00 AM	28.49	58	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	04/23/10	10:20 AM	28.64	60	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	10/28/10	1:49 PM	28.74	40	T	--	--	--	0
Kingsford Public Safety Department	GMSG-418	07/10/11	8:34 AM	28.60	79	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	10/26/12	2:01 PM	28.95	41	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	11/09/13	9:35 AM	28.36	41	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	08/14/14	1:52 PM	28.81	72	0	--	--	--	0
Kingsford Public Safety Department	GMSG-418	08/07/15	2:21 PM	28.64	66	T	--	--	--	0
Kingsford Public Safety Department	GMSG-548	11/23/05	11:30 AM	27.98	28	0.01	--	--	--	0
Kingsford Public Safety Department	GMSG-548	11/28/05	10:59 AM	28.19	44	0.05	--	--	--	0
Kingsford Public Safety Department	GMSG-548	12/07/05	10:17 AM	29.26	21	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	02/22/06	11:11 AM	28.51	28	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	03/09/06	3:48 PM	28.13	39	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	04/03/06	9:39 AM	28.58	40	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	07/07/06	9:40 AM	29.05	81	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	10/02/06	10:22 AM	28.66	70	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	01/02/07	10:17 AM	28.96	29	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	04/03/07	9:40 AM	28.67	35	T	--	--	--	0
Kingsford Public Safety Department	GMSG-548	07/17/07	10:54 AM	29.95	79	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	10/18/07	2:10 PM	29.16	68	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	01/03/08	12:50 PM	30.11	20	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	04/23/08	2:05 PM	30.17	73	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	07/09/08	2:06 PM	29.89	75	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	10/02/08	1:53 PM	29.75	53	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	01/23/09	10:27 AM	28.48	23	T	--	--	--	0
Kingsford Public Safety Department	GMSG-548	03/30/09	1:13 PM	28.77	41	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	07/30/09	9:27 AM	28.56	60	T	--	--	--	0
Kingsford Public Safety Department	GMSG-548	10/19/09	10:53 AM	28.49	58	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	04/23/10	10:26 AM	28.64	60	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	10/28/10	1:44 PM	28.74	40	T	--	--	--	0
Kingsford Public Safety Department	GMSG-548	07/10/11	8:36 AM	28.60	79	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	10/26/12	1:58 PM	28.95	41	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kingsford Public Safety Department	GMSG-548	11/09/13	9:25 AM	28.35	40	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	08/14/14	2:03 PM	28.81	72	0	--	--	--	0
Kingsford Public Safety Department	GMSG-548	08/07/15	2:17 PM	28.64	66	T	--	--	--	0
Kingsford Public Safety Department	GMSG-549	11/23/05	11:35 AM	27.98	28	0.01	--	--	--	0
Kingsford Public Safety Department	GMSG-549	11/28/05	11:03 AM	28.19	44	0.05	--	--	--	0
Kingsford Public Safety Department	GMSG-549	12/07/05	10:24 AM	29.26	21	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	02/22/06	11:21 AM	28.51	28	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	03/09/06	3:52 PM	28.13	39	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	04/03/06	9:45 AM	28.58	40	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	07/07/06	9:54 AM	29.05	81	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	10/02/06	10:29 AM	28.66	70	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	01/02/07	10:25 AM	28.96	29	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	04/03/07	9:46 AM	28.67	35	T	--	--	--	0
Kingsford Public Safety Department	GMSG-549	07/17/07	10:48 AM	29.95	79	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	10/18/07	2:00 PM	29.16	68	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	01/03/08	12:57 PM	30.11	20	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	04/23/08	2:11 PM	30.17	73	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	07/09/08	1:59 PM	29.89	75	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	10/02/08	1:58 PM	29.75	53	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	01/23/09	10:33 AM	28.53	22	T	--	--	--	0
Kingsford Public Safety Department	GMSG-549	03/30/09	1:17 PM	28.77	41	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	07/30/09	9:33 AM	28.58	61	0.01	--	--	--	0
Kingsford Public Safety Department	GMSG-549	10/19/09	10:58 AM	28.49	58	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	04/23/10	10:18 AM	28.64	60	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	10/28/10	1:47 PM	28.74	40	T	--	--	--	0
Kingsford Public Safety Department	GMSG-549	07/10/11	8:32 AM	28.60	79	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	10/26/12	2:05 PM	28.95	41	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	11/09/13	9:30 AM	28.36	41	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	08/14/14	1:55 PM	28.81	72	0	--	--	--	0
Kingsford Public Safety Department	GMSG-549	08/07/15	2:14 PM	28.64	66	T	--	--	--	0
Kingsford Public Safety Department	GMSG-550	12/07/05	10:27 AM	29.26	21	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	12/13/05	2:08 PM	28.88	24	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	12/20/05	11:35 AM	28.92	22	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	02/22/06	11:24 AM	28.51	28	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	03/09/06	3:55 PM	28.13	39	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	04/03/06	9:42 AM	28.58	40	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kingsford Public Safety Department	GMSG-550	07/07/06	9:48 AM	29.05	81	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	10/02/06	10:26 AM	28.66	70	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	01/02/07	10:19 AM	28.96	29	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	04/03/07	9:43 AM	28.67	35	T	--	--	--	0
Kingsford Public Safety Department	GMSG-550	07/17/07	10:56 AM	29.95	79	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	10/18/07	2:05 PM	29.16	68	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	01/03/08	12:53 PM	30.11	20	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	04/23/08	2:09 PM	30.17	73	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	07/09/08	2:09 PM	29.89	75	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	10/02/08	1:56 PM	29.75	53	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	01/23/09	10:31 AM	28.53	22	T	--	--	--	0
Kingsford Public Safety Department	GMSG-550	03/30/09	1:15 PM	28.77	41	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	07/30/09	9:30 AM	28.58	61	0.01	--	--	--	0
Kingsford Public Safety Department	GMSG-550	10/19/09	10:55 AM	28.49	58	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	04/23/10	10:16 AM	28.64	60	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	10/28/10	1:46 PM	28.74	40	T	--	--	--	0
Kingsford Public Safety Department	GMSG-550	07/10/11	8:38 AM	28.60	79	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	10/26/12	1:55 PM	28.95	41	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	11/09/13	9:20 AM	28.35	40	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	08/14/14	1:59 PM	28.81	72	0	--	--	--	0
Kingsford Public Safety Department	GMSG-550	08/07/15	2:10 PM	28.64	66	T	--	--	--	0
Kodiak Mini Storage	GMSG-485	08/12/05	8:11 AM	28.60	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	08/17/05	8:26 AM	28.92	63	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	08/24/05	12:23 PM	29.02	72	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	09/12/05	9:35 AM	28.77	83	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	10/10/05	3:00 PM	28.96	63	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	11/11/05	2:44 PM	28.63	54	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	03/02/06	10:41 AM	28.70	28	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	04/03/06	2:08 PM	28.65	43	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	07/06/06	10:55 AM	29.03	79	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	10/02/06	1:42 PM	28.63	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	10/09/06	10:38 AM	29.14	47	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	01/02/07	2:53 PM	28.80	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	04/02/07	2:43 PM	28.69	48	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	07/17/07	2:44 PM	29.91	81	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	10/22/07	2:37 PM	30.01	52	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kodiak Mini Storage	GMSG-485	01/04/08	12:49 PM	29.98	28	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	04/24/08	10:32 AM	30.08	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	07/10/08	2:38 PM	29.92	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	10/13/08	2:08 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	01/26/09	4:00 PM	29.00	6	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	03/31/09	1:35 PM	28.38	35	T	--	--	--	0
Kodiak Mini Storage	GMSG-485	07/29/09	9:25 AM	28.53	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	10/19/09	2:07 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	04/23/10	2:10 PM	28.61	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	10/28/10	10:35 AM	27.88	41	T	--	--	--	0
Kodiak Mini Storage	GMSG-485	07/09/11	6:14 PM	28.58	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	11/01/12	3:23 PM	28.54	41	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	11/10/13	3:15 PM	28.89	39	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	08/13/14	2:22 PM	28.76	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-485	08/07/15	3:19 PM	28.65	65	T	--	--	--	0
Kodiak Mini Storage	GMSG-490	08/12/05	8:04 AM	28.60	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	08/17/05	8:36 AM	28.91	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	08/24/05	12:21 PM	29.02	72	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	09/12/05	9:32 AM	28.77	83	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	10/11/05	9:45 AM	29.05	45	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	11/11/05	2:47 PM	28.63	54	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	03/02/06	10:49 AM	28.70	28	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	04/03/06	2:11 PM	28.65	43	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	07/06/06	12:11 PM	29.03	81	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	10/02/06	1:35 PM	28.63	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	10/09/06	10:43 AM	29.14	47	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	01/02/07	2:35 PM	28.80	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	04/02/07	2:46 PM	28.69	48	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	07/17/07	2:47 PM	29.91	81	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	10/22/07	2:54 PM	30.01	52	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	01/04/08	12:23 PM	30.01	25	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	04/24/08	10:34 AM	30.08	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	07/10/08	2:26 PM	29.92	75	T	--	--	--	0
Kodiak Mini Storage	GMSG-490	10/13/08	2:10 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	01/26/09	4:07 PM	29.00	6	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	03/31/09	1:37 PM	28.38	35	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kodiak Mini Storage	GMSG-490	07/29/09	9:27 AM	28.53	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	10/19/09	2:09 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	04/23/10	2:12 PM	28.61	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	10/28/10	10:38 AM	27.88	41	T	--	--	--	0
Kodiak Mini Storage	GMSG-490	07/09/11	6:17 PM	28.58	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	11/01/12	3:25 PM	28.54	41	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	11/10/13	3:15 PM	28.89	39	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	08/13/14	2:13 PM	28.76	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-490	08/07/15	3:22 PM	28.65	65	T	--	--	--	0
Kodiak Mini Storage	GMSG-491	08/17/05	8:45 AM	28.91	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	08/24/05	12:28 PM	29.02	72	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	09/12/05	9:41 AM	28.77	83	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	10/10/05	2:55 PM	28.96	63	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	11/11/05	2:35 PM	28.63	54	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	03/02/06	11:15 AM	28.70	28	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	04/03/06	2:02 PM	28.65	43	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	07/06/06	10:36 AM	29.03	79	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	10/02/06	1:48 PM	28.63	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	10/09/06	10:30 AM	29.14	47	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	01/02/07	2:46 PM	28.80	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	04/02/07	2:36 PM	28.69	48	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	07/17/07	2:37 PM	29.91	81	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	10/22/07	2:44 PM	30.01	52	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	01/04/08	12:37 PM	29.98	28	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	04/24/08	10:40 AM	30.08	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	07/10/08	2:32 PM	29.92	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	10/13/08	2:17 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	01/26/09	4:17 PM	29.00	6	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	05/18/09	2:19 PM	28.77	66	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	07/29/09	9:19 AM	28.53	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	10/19/09	2:15 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	04/23/10	2:20 PM	28.61	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	10/28/10	10:30 AM	27.88	41	T	--	--	--	0
Kodiak Mini Storage	GMSG-491	07/09/11	6:26 PM	28.58	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	11/01/12	3:30 PM	28.56	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	11/10/13	3:15 PM	28.89	39	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kodiak Mini Storage	GMSG-491	08/13/14	2:30 PM	28.76	73	0	--	--	--	0
Kodiak Mini Storage	GMSG-491	08/07/15	3:11 PM	28.65	65	T	--	--	--	0
Kodiak Mini Storage	GMSG-492	08/12/05	8:15 AM	28.60	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	08/17/05	8:41 AM	28.91	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	08/24/05	12:25 PM	29.02	72	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	09/12/05	9:38 AM	28.77	83	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	10/11/05	9:40 AM	29.05	45	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	11/11/05	2:38 PM	28.63	54	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	12/13/05	3:46 PM	28.88	23	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	03/06/06	9:40 AM	28.97	30	T	--	--	--	0
Kodiak Mini Storage	GMSG-492	04/03/06	2:05 PM	28.65	43	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	07/06/06	10:49 AM	29.03	79	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	10/02/06	1:44 PM	28.63	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	10/09/06	10:34 AM	29.14	47	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	01/02/07	2:50 PM	28.80	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	04/02/07	2:40 PM	28.69	48	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	07/17/07	2:41 PM	29.91	81	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	10/22/07	2:40 PM	30.01	52	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	01/04/08	12:56 PM	29.98	28	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	04/24/08	10:42 AM	30.08	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	07/10/08	2:36 PM	29.92	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	10/13/08	2:19 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	01/26/09	4:21 PM	29.00	6	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	05/18/09	2:23 PM	28.77	66	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	07/29/09	9:22 AM	28.53	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	10/19/09	2:18 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	04/23/10	2:23 PM	28.61	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	10/28/10	10:32 AM	27.88	41	T	--	--	--	0
Kodiak Mini Storage	GMSG-492	07/09/11	6:48 PM	28.58	77	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	11/01/12	3:26 PM	28.54	41	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	11/10/13	3:15 PM	28.89	39	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	08/13/14	2:26 PM	28.76	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-492	08/07/15	3:15 PM	28.65	65	T	--	--	--	0
Kodiak Mini Storage	GMSG-493	08/12/05	8:00 AM	28.60	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	08/17/05	8:31 AM	28.91	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	08/24/05	12:18 PM	29.02	72	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kodiak Mini Storage	GMSG-493	09/12/05	9:30 AM	28.77	83	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	10/11/05	9:47 AM	29.05	45	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	11/11/05	2:51 PM	28.63	54	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	03/02/06	11:00 AM	28.70	28	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	04/03/06	2:13 PM	28.65	43	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	07/06/06	11:01 AM	29.03	79	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	10/02/06	1:37 PM	28.63	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	10/09/06	10:47 AM	29.14	47	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	01/02/07	2:43 PM	28.80	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	04/02/07	2:49 PM	28.69	48	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	07/17/07	2:35 PM	29.91	81	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	10/22/07	2:51 PM	30.01	52	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	01/04/08	12:32 PM	29.98	28	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	04/24/08	10:38 AM	30.08	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	07/10/08	2:30 PM	29.92	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	10/13/08	2:14 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	01/26/09	4:15 PM	29.00	6	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	03/31/09	1:42 PM	28.38	35	T	--	--	--	0
Kodiak Mini Storage	GMSG-493	05/18/09	2:25 PM	28.77	66	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	07/29/09	9:30 AM	28.54	69	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	10/19/09	2:14 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	04/23/10	2:16 PM	28.61	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	07/09/11	6:23 PM	28.58	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	11/01/12	3:31 PM	28.56	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	03/21/14	10:18 AM	28.61	35	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	08/13/14	2:10 PM	28.76	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-493	08/07/15	3:28 PM	28.65	65	T	--	--	--	0
Kodiak Mini Storage	GMSG-629	09/22/06	1:20 PM	28.46	54	0.02	--	--	--	0
Kodiak Mini Storage	GMSG-629	09/29/06	11:00 AM	28.59	50	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	10/02/06	1:17 PM	28.63	78	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	10/09/06	10:51 AM	29.14	47	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	11/15/06	12:25 PM	28.76	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	12/19/06	11:46 AM	29.00	37	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	01/02/07	2:20 PM	28.83	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	04/02/07	2:21 PM	28.67	45	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	07/17/07	2:19 PM	29.92	82	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kodiak Mini Storage	GMSG-629	10/22/07	2:47 PM	30.01	52	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	01/04/08	12:01 PM	30.01	25	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	04/24/08	10:21 AM	30.11	63	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	07/10/08	2:17 PM	29.92	75	T	--	--	--	0
Kodiak Mini Storage	GMSG-629	10/13/08	1:58 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	01/26/09	3:15 PM	28.99	7	T	--	--	--	0
Kodiak Mini Storage	GMSG-629	03/31/09	1:28 PM	28.44	36	T	--	--	--	0
Kodiak Mini Storage	GMSG-629	07/29/09	9:32 AM	28.54	69	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	10/19/09	1:52 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	04/23/10	2:18 PM	28.61	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	10/28/10	10:28 AM	27.86	41	T	--	--	--	0
Kodiak Mini Storage	GMSG-629	07/09/11	6:30 PM	28.58	77	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	11/01/12	3:13 PM	28.54	41	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	11/10/13	3:15 PM	28.89	39	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	08/13/14	1:46 PM	28.76	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-629	08/07/15	2:49 PM	28.65	65	T	--	--	--	0
Kodiak Mini Storage	GMSG-630	09/19/06	1:53 PM	28.58	53	T	--	--	--	0
Kodiak Mini Storage	GMSG-630	09/29/06	11:03 AM	28.59	50	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	10/02/06	1:23 PM	28.63	78	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	10/09/06	10:54 AM	29.14	47	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	11/15/06	12:28 PM	28.76	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	12/19/06	11:48 AM	29.00	37	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	01/02/07	2:23 PM	28.83	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	04/02/07	2:25 PM	28.67	45	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	07/17/07	2:24 PM	29.92	82	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	10/22/07	2:26 PM	30.01	52	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	01/04/08	12:07 PM	30.01	25	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	04/24/08	10:25 AM	30.11	63	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	07/10/08	3:01 PM	29.92	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	10/13/08	2:01 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	01/26/09	3:40 PM	29.00	6	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	03/31/09	1:29 PM	28.44	36	T	--	--	--	0
Kodiak Mini Storage	GMSG-630	07/29/09	9:44 AM	28.54	69	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	10/19/09	2:01 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	04/23/10	2:03 PM	28.61	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	10/28/10	10:43 AM	27.88	41	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kodiak Mini Storage	GMSG-630	07/09/11	6:07 PM	28.58	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	11/01/12	3:16 PM	28.54	41	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	11/10/13	3:15 PM	28.89	39	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	08/13/14	2:03 PM	28.76	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-630	08/07/15	2:52 PM	28.65	65	T	--	--	--	0
Kodiak Mini Storage	GMSG-631	09/19/06	1:57 PM	28.58	53	T	--	--	--	0
Kodiak Mini Storage	GMSG-631	09/29/06	11:05 AM	28.59	50	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	10/02/06	1:25 PM	28.63	78	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	10/09/06	10:58 AM	29.14	47	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	11/15/06	12:31 PM	28.74	42	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	12/19/06	11:51 AM	29.00	37	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	01/02/07	2:27 PM	28.83	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	04/02/07	2:28 PM	28.67	45	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	07/17/07	2:27 PM	29.92	82	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	10/22/07	2:30 PM	30.01	52	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	01/04/08	12:11 PM	30.01	25	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	04/24/08	10:28 AM	30.11	63	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	07/10/08	2:22 PM	29.92	75	T	--	--	--	0
Kodiak Mini Storage	GMSG-631	10/13/08	2:03 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	01/26/09	3:46 PM	29.00	6	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	03/31/09	1:31 PM	28.38	35	T	--	--	--	0
Kodiak Mini Storage	GMSG-631	07/29/09	9:41 AM	28.54	69	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	10/19/09	2:03 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	04/23/10	2:05 PM	28.61	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	10/28/10	10:45 AM	27.88	41	T	--	--	--	0
Kodiak Mini Storage	GMSG-631	07/09/11	6:09 PM	28.58	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	11/01/12	3:20 PM	28.54	41	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	11/10/13	3:15 PM	28.89	39	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	08/13/14	1:38 PM	28.76	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-631	08/07/15	2:57 PM	28.65	65	T	--	--	--	0
Kodiak Mini Storage	GMSG-632	09/29/06	11:07 AM	28.59	50	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	10/02/06	1:27 PM	28.63	78	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	10/09/06	11:01 AM	29.14	47	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	11/15/06	12:34 PM	28.74	42	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	12/19/06	11:54 AM	29.00	37	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	01/02/07	2:30 PM	28.80	40	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kodiak Mini Storage	GMSG-632	04/02/07	2:31 PM	28.69	48	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	07/17/07	2:29 PM	29.92	82	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	10/22/07	2:33 PM	30.01	52	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	01/04/08	12:18 PM	30.01	25	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	04/24/08	10:30 AM	30.08	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	07/10/08	2:24 PM	29.92	75	T	--	--	--	0
Kodiak Mini Storage	GMSG-632	10/13/08	2:05 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	01/26/09	3:53 PM	29.00	6	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	03/31/09	1:33 PM	28.38	35	T	--	--	--	0
Kodiak Mini Storage	GMSG-632	07/29/09	9:38 AM	28.54	69	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	10/19/09	2:05 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	04/23/10	2:09 PM	28.61	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	10/28/10	10:47 AM	27.88	41	T	--	--	--	0
Kodiak Mini Storage	GMSG-632	07/09/11	6:11 PM	28.58	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	11/01/12	3:21 PM	28.54	41	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	11/10/13	3:15 PM	28.89	39	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	08/13/14	1:30 PM	28.76	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-632	08/07/15	3:04 PM	28.65	65	T	--	--	--	0
Kodiak Mini Storage	GMSG-633	09/29/06	11:09 AM	28.59	50	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	10/02/06	1:30 PM	28.63	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	10/09/06	11:04 AM	29.14	47	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	11/15/06	12:38 PM	28.74	42	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	12/19/06	11:57 AM	29.00	37	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	01/02/07	2:39 PM	28.80	40	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	04/02/07	2:34 PM	28.69	48	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	07/17/07	2:32 PM	29.91	81	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	10/22/07	2:58 PM	30.01	52	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	01/04/08	12:27 PM	30.01	25	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	04/24/08	10:36 AM	30.08	65	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	07/10/08	2:28 PM	29.92	75	T	--	--	--	0
Kodiak Mini Storage	GMSG-633	10/13/08	2:12 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	01/26/09	4:10 PM	29.00	6	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	03/31/09	1:40 PM	28.38	35	T	--	--	--	0
Kodiak Mini Storage	GMSG-633	07/29/09	9:35 AM	28.54	69	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	10/19/09	2:12 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	04/23/10	2:14 PM	28.61	67	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kodiak Mini Storage	GMSG-633	10/28/10	10:40 AM	27.88	41	T	--	--	--	0
Kodiak Mini Storage	GMSG-633	07/09/11	6:20 PM	28.58	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	11/01/12	3:18 PM	28.54	41	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	11/10/13	3:15 PM	28.89	39	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	08/13/14	2:18 PM	28.76	74	0	--	--	--	0
Kodiak Mini Storage	GMSG-633	08/07/15	3:07 PM	28.65	65	T	--	--	--	0
Kodiak Mini Storage	GMSG-646	04/26/07	1:04 PM	28.66	51	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	05/25/07	3:50 PM	28.99	69	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	05/31/07	2:21 PM	28.76	78	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	06/13/07	3:04 PM	28.91	85	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	07/17/07	2:12 PM	29.92	82	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	08/06/07	1:25 PM	29.86	82	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	10/22/07	2:18 PM	30.01	52	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	01/04/08	11:52 AM	30.01	25	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	04/24/08	10:17 AM	30.11	63	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	07/10/08	2:00 PM	29.92	75	T	--	--	--	0
Kodiak Mini Storage	GMSG-646	10/13/08	1:54 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	01/26/09	3:23 PM	28.99	7	T	--	--	--	0
Kodiak Mini Storage	GMSG-646	03/31/09	11:42 AM	28.48	38	T	--	--	--	0
Kodiak Mini Storage	GMSG-646	07/29/09	9:51 AM	28.54	69	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	10/19/09	1:56 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	04/23/10	2:00 PM	28.61	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	10/28/10	10:52 AM	27.88	41	T	--	--	--	0
Kodiak Mini Storage	GMSG-646	07/09/11	5:59 PM	28.58	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	11/01/12	3:06 PM	28.54	41	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	11/10/13	3:15 PM	28.89	39	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	08/13/14	2:39 PM	28.76	73	0	--	--	--	0
Kodiak Mini Storage	GMSG-646	08/07/15	2:40 PM	28.65	65	T	--	--	--	0
Kodiak Mini Storage	GMSG-647	04/26/07	1:02 PM	28.66	51	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	05/25/07	3:52 PM	28.99	69	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	05/31/07	2:23 PM	28.76	78	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	06/13/07	3:06 PM	28.91	85	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	07/17/07	2:09 PM	29.92	82	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	08/06/07	1:31 PM	29.85	84	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	10/22/07	2:15 PM	30.01	52	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	01/04/08	11:58 AM	30.01	25	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Kodiak Mini Storage	GMSG-647	04/24/08	10:15 AM	30.11	63	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	07/10/08	1:58 PM	29.92	75	T	--	--	--	0
Kodiak Mini Storage	GMSG-647	10/13/08	1:56 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	03/31/09	1:26 PM	28.44	36	T	--	--	--	0
Kodiak Mini Storage	GMSG-647	07/29/09	9:53 AM	28.54	69	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	10/19/09	1:57 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	04/23/10	1:52 PM	28.61	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	10/28/10	10:54 AM	27.88	41	T	--	--	--	0
Kodiak Mini Storage	GMSG-647	07/09/11	6:01 PM	28.58	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	11/01/12	3:08 PM	28.54	41	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	11/10/13	3:15 PM	28.89	39	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	12/30/14	2:45 PM	29.18	7	0	--	--	--	0
Kodiak Mini Storage	GMSG-647	08/07/15	2:42 PM	28.65	65	T	--	--	--	0
Kodiak Mini Storage	GMSG-648	04/26/07	1:05 PM	28.66	51	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	05/25/07	3:48 PM	28.99	69	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	05/31/07	2:18 PM	28.76	78	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	06/13/07	3:01 PM	28.91	85	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	07/17/07	2:15 PM	29.92	82	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	08/06/07	1:38 PM	29.85	84	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	10/22/07	2:22 PM	30.01	52	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	01/04/08	11:45 AM	30.01	25	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	04/24/08	10:19 AM	30.11	63	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	07/10/08	2:02 PM	29.92	75	T	--	--	--	0
Kodiak Mini Storage	GMSG-648	10/13/08	1:52 PM	30.04	75	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	01/26/09	3:20 PM	28.99	7	T	--	--	--	0
Kodiak Mini Storage	GMSG-648	03/31/09	1:24 PM	28.44	36	T	--	--	--	0
Kodiak Mini Storage	GMSG-648	07/29/09	9:47 AM	28.54	69	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	10/19/09	1:54 PM	28.47	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	04/23/10	2:01 PM	28.61	67	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	10/28/10	10:51 AM	27.88	41	T	--	--	--	0
Kodiak Mini Storage	GMSG-648	07/09/11	6:03 PM	28.58	80	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	11/01/12	3:10 PM	28.54	41	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	03/21/14	10:24 AM	28.61	35	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	08/13/14	2:36 PM	28.76	73	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	08/20/14	2:11 PM	28.64	68	0	--	--	--	0
Kodiak Mini Storage	GMSG-648	08/07/15	2:44 PM	28.65	65	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-45	08/01/01	11:14 AM	28.84	78	T	0	0.1	19.9	--
Lakeshore Engineering	GMSG-45	08/09/01	1:20 PM	28.55	81	0	0	0.1	20.3	--
Lakeshore Engineering	GMSG-45	09/11/01	2:00 PM	28.98	61	0.01	0	0.2	20.2	--
Lakeshore Engineering	GMSG-45	09/24/01	4:44 PM	29.08	47	0	0	0	20.4	--
Lakeshore Engineering	GMSG-45	10/21/01	10:57 AM	28.81	49	0	0	0	20.4	--
Lakeshore Engineering	GMSG-45	11/13/01	10:08 AM	28.80	42	0.01	0	0	20.4	--
Lakeshore Engineering	GMSG-45	02/13/02	10:27 AM	28.92	15	0	0	0	19.7	--
Lakeshore Engineering	GMSG-45	06/26/02	1:58 PM	28.54	82	0	0	0	20.9	--
Lakeshore Engineering	GMSG-45	09/30/02	11:07 AM	28.59	70	0	0	0	20.7	0
Lakeshore Engineering	GMSG-45	11/21/02	9:35 AM	28.68	32	0	0	0	20.7	0
Lakeshore Engineering	GMSG-45	01/29/03	11:16 AM	29.12	10	T	0	0	19.9	0
Lakeshore Engineering	GMSG-45	04/21/03	3:10 PM	28.59	37	T	0	0	19.9	0
Lakeshore Engineering	GMSG-45	07/22/03	9:22 AM	28.81	62	0	0	0	19.5	0
Lakeshore Engineering	GMSG-45	11/02/03	2:25 PM	28.90	42	0	0	0	19.6	0
Lakeshore Engineering	GMSG-45	01/20/04	4:20 PM	28.99	14	0	0	0.1	18.7	0
Lakeshore Engineering	GMSG-45	04/18/04	2:05 PM	28.42	52	0	0	0.1	17.6	0
Lakeshore Engineering	GMSG-45	07/14/04	10:26 AM	28.67	72	0	0	0	19.5	0
Lakeshore Engineering	GMSG-45	10/29/04	1:11 PM	28.37	57	T	0	0	19.9	0
Lakeshore Engineering	GMSG-45	01/28/05	11:15 AM	29.25	21	0	--	--	--	0
Lakeshore Engineering	GMSG-45	04/05/05	8:12 AM	28.57	45	0	--	--	--	0
Lakeshore Engineering	GMSG-45	07/06/05	10:25 AM	28.96	69	0	--	--	--	0
Lakeshore Engineering	GMSG-45	10/11/05	10:55 AM	29.04	54	0	--	--	--	0
Lakeshore Engineering	GMSG-45	02/22/06	3:55 PM	28.48	31	0	--	--	--	0
Lakeshore Engineering	GMSG-45	04/06/06	1:02 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-45	07/11/06	10:12 AM	28.80	70	0	--	--	--	0
Lakeshore Engineering	GMSG-45	10/09/06	1:28 PM	29.11	49	0	--	--	--	0
Lakeshore Engineering	GMSG-45	02/04/07	10:10 AM	28.79	-9	0	--	--	--	0
Lakeshore Engineering	GMSG-45	04/04/07	12:00 PM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-45	07/19/07	12:38 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-45	11/02/07	1:58 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-45	01/15/08	9:29 AM	30.04	21	T	--	--	--	0
Lakeshore Engineering	GMSG-45	04/28/08	9:22 AM	30.05	38	0	--	--	--	0
Lakeshore Engineering	GMSG-45	07/16/08	8:43 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-45	10/17/08	2:24 PM	30.27	45	T	--	--	--	0
Lakeshore Engineering	GMSG-45	01/22/09	12:01 PM	28.55	22	0	--	--	--	0
Lakeshore Engineering	GMSG-45	04/20/09	12:55 PM	28.29	34	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-45	07/28/09	8:00 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-45	10/22/09	2:08 PM	28.85	41	0	--	--	--	0
Lakeshore Engineering	GMSG-45	04/22/10	11:40 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-45	11/05/10	1:22 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-45	07/09/11	8:34 AM	28.67	72	0	--	--	--	0
Lakeshore Engineering	GMSG-45	10/24/12	1:59 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-45	11/07/13	12:40 PM	28.80	35	T	--	--	--	0
Lakeshore Engineering	GMSG-45	08/24/14	12:46 PM	28.77	77	0	--	--	--	0
Lakeshore Engineering	GMSG-45	08/07/15	1:14 PM	28.64	65	T	--	--	--	0
Lakeshore Engineering	GMSG-46	08/01/01	11:22 AM	28.84	78	T	0	1	19.5	--
Lakeshore Engineering	GMSG-46	08/09/01	1:29 PM	28.55	81	0	0	0	20.5	--
Lakeshore Engineering	GMSG-46	09/11/01	2:13 PM	28.98	61	0.01	0	1	19.6	--
Lakeshore Engineering	GMSG-46	09/25/01	8:42 AM	29.01	48	0	0	1.4	19.2	--
Lakeshore Engineering	GMSG-46	10/21/01	11:10 AM	28.81	49	0	0	0	20.5	--
Lakeshore Engineering	GMSG-46	11/13/01	10:13 AM	28.80	42	0.01	0	0.6	19.6	--
Lakeshore Engineering	GMSG-46	02/13/02	10:40 AM	28.90	19	0	0	0	19.6	--
Lakeshore Engineering	GMSG-46	06/26/02	2:13 PM	28.54	82	0	0	0.6	20.1	--
Lakeshore Engineering	GMSG-46	09/30/02	11:20 AM	28.59	70	0	0	0.9	19.8	0
Lakeshore Engineering	GMSG-46	11/21/02	9:53 AM	28.68	32	0	0	0	20.7	0
Lakeshore Engineering	GMSG-46	01/29/03	11:30 AM	29.10	13	0	0	0	19.8	0
Lakeshore Engineering	GMSG-46	04/22/03	10:42 AM	28.86	45	0	0	0	20.4	0
Lakeshore Engineering	GMSG-46	07/22/03	9:28 AM	28.81	62	0	0	0	19.5	0
Lakeshore Engineering	GMSG-46	11/02/03	2:35 PM	28.91	43	0	0	0.5	19	0
Lakeshore Engineering	GMSG-46	01/20/04	4:36 PM	28.97	12	0	0	0.5	18.2	0
Lakeshore Engineering	GMSG-46	04/18/04	3:00 PM	28.38	55	0	0	1.2	15.5	0
Lakeshore Engineering	GMSG-46	07/14/04	10:35 AM	28.68	75	0	0	0.5	19.3	0
Lakeshore Engineering	GMSG-46	10/29/04	1:33 PM	28.35	57	0	0	1.4	18.2	0
Lakeshore Engineering	GMSG-46	01/28/05	11:35 AM	29.22	22	0	--	--	--	0
Lakeshore Engineering	GMSG-46	04/05/05	8:18 AM	28.57	45	0	--	--	--	0
Lakeshore Engineering	GMSG-46	07/06/05	10:31 AM	28.95	70	0	--	--	--	0
Lakeshore Engineering	GMSG-46	10/11/05	11:04 AM	29.04	54	0	--	--	--	0
Lakeshore Engineering	GMSG-46	02/22/06	4:05 PM	28.48	31	0	--	--	--	0
Lakeshore Engineering	GMSG-46	04/06/06	1:23 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-46	07/11/06	10:25 AM	28.80	70	0	--	--	--	0
Lakeshore Engineering	GMSG-46	10/09/06	1:56 PM	29.11	48	0	--	--	--	0
Lakeshore Engineering	GMSG-46	02/04/07	11:53 AM	28.82	-7	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-46	04/04/07	12:08 PM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-46	07/19/07	12:50 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-46	11/02/07	2:10 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-46	01/15/08	9:51 AM	30.05	22	T	--	--	--	0
Lakeshore Engineering	GMSG-46	04/28/08	9:36 AM	30.06	35	0	--	--	--	0
Lakeshore Engineering	GMSG-46	07/16/08	8:55 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-46	10/17/08	2:39 PM	30.26	46	T	--	--	--	0
Lakeshore Engineering	GMSG-46	01/22/09	12:33 PM	28.54	23	0	--	--	--	0
Lakeshore Engineering	GMSG-46	04/20/09	1:48 PM	28.28	34	0.02	--	--	--	0
Lakeshore Engineering	GMSG-46	07/28/09	8:21 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-46	10/30/09	10:47 AM	28.07	56	0	--	--	--	0
Lakeshore Engineering	GMSG-46	04/22/10	11:51 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-46	11/05/10	1:35 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-46	07/15/11	10:15 AM	28.77	69	0	--	--	--	0
Lakeshore Engineering	GMSG-46	10/24/12	2:08 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-46	11/07/13	2:24 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-46	08/24/14	1:36 PM	28.76	78	0	--	--	--	0
Lakeshore Engineering	GMSG-46	08/07/15	1:53 PM	28.64	66	T	--	--	--	0
Lakeshore Engineering	GMSG-54	09/11/01	2:08 PM	28.98	61	0.01	0	0.9	19.2	--
Lakeshore Engineering	GMSG-54	09/25/01	8:35 AM	29.01	48	0	0	2.3	17.6	--
Lakeshore Engineering	GMSG-54	10/21/01	11:01 AM	28.81	49	0	0	0	20.6	--
Lakeshore Engineering	GMSG-54	11/13/01	10:18 AM	28.80	42	0.01	0	1	19	--
Lakeshore Engineering	GMSG-54	02/13/02	10:33 AM	28.90	19	0	0	0	19.8	--
Lakeshore Engineering	GMSG-54	06/26/02	2:04 PM	28.54	82	0	0	1.5	19.4	--
Lakeshore Engineering	GMSG-54	09/30/02	11:12 AM	28.59	70	0	0	1.8	18.3	0
Lakeshore Engineering	GMSG-54	11/21/02	9:44 AM	28.68	32	0	0	0.6	19.8	0
Lakeshore Engineering	GMSG-54	01/29/03	11:23 AM	29.12	10	T	0	0	19.9	0
Lakeshore Engineering	GMSG-54	04/22/03	10:36 AM	28.86	45	0	0	0	20.2	0
Lakeshore Engineering	GMSG-54	07/22/03	9:37 AM	28.81	63	0	0	1.4	18.1	0
Lakeshore Engineering	GMSG-54	11/02/03	2:50 PM	28.91	43	0	0	0.1	19.3	0
Lakeshore Engineering	GMSG-54	01/20/04	4:44 PM	28.97	12	0	0	0	18.8	0
Lakeshore Engineering	GMSG-54	04/18/04	2:51 PM	28.38	55	0	0	1.4	15.8	0
Lakeshore Engineering	GMSG-54	07/14/04	10:40 AM	28.68	75	0	0	1	18.3	0
Lakeshore Engineering	GMSG-54	10/29/04	1:28 PM	28.37	57	T	0	1	18.3	0
Lakeshore Engineering	GMSG-54	01/28/05	11:22 AM	29.25	21	0	--	--	--	0
Lakeshore Engineering	GMSG-54	04/05/05	8:15 AM	28.57	45	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-54	07/06/05	10:38 AM	28.95	70	0	--	--	--	0
Lakeshore Engineering	GMSG-54	10/11/05	11:10 AM	29.04	54	0	--	--	--	0
Lakeshore Engineering	GMSG-54	02/22/06	4:00 PM	28.48	31	0	--	--	--	0
Lakeshore Engineering	GMSG-54	04/06/06	1:30 PM	28.51	58	0	--	--	--	0
Lakeshore Engineering	GMSG-54	07/11/06	10:41 AM	28.80	71	0	--	--	--	0
Lakeshore Engineering	GMSG-54	10/09/06	1:50 PM	29.11	48	0	--	--	--	0
Lakeshore Engineering	GMSG-54	02/04/07	10:50 AM	28.82	-8	0	--	--	--	0
Lakeshore Engineering	GMSG-54	04/04/07	12:17 PM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-54	07/19/07	12:58 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-54	11/02/07	2:18 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-54	01/15/08	10:14 AM	30.05	22	T	--	--	--	0
Lakeshore Engineering	GMSG-54	04/28/08	9:41 AM	30.06	35	0	--	--	--	0
Lakeshore Engineering	GMSG-54	07/16/08	9:03 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-54	10/17/08	2:48 PM	30.26	46	T	--	--	--	0
Lakeshore Engineering	GMSG-54	01/22/09	12:51 PM	28.54	23	0	--	--	--	0
Lakeshore Engineering	GMSG-54	04/20/09	1:29 PM	28.29	34	T	--	--	--	0
Lakeshore Engineering	GMSG-54	07/28/09	8:18 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-54	10/30/09	10:54 AM	28.07	56	0	--	--	--	0
Lakeshore Engineering	GMSG-54	04/22/10	11:54 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-54	11/05/10	1:39 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-54	07/15/11	10:10 AM	28.77	69	0	--	--	--	0
Lakeshore Engineering	GMSG-54	10/24/12	2:15 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-54	11/07/13	2:09 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-54	08/24/14	1:17 PM	28.77	77	0	--	--	--	0
Lakeshore Engineering	GMSG-54	08/07/15	1:47 PM	28.64	66	T	--	--	--	0
Lakeshore Engineering	GMSG-557A	03/07/06	9:09 AM	29.05	22	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	03/14/06	1:13 PM	28.59	27	T	--	--	--	0
Lakeshore Engineering	GMSG-557A	03/20/06	10:04 AM	29.14	26	T	--	--	--	0
Lakeshore Engineering	GMSG-557A	04/06/06	1:53 PM	28.51	58	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	05/16/06	9:15 AM	28.64	61	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	06/01/06	1:00 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-557A	07/11/06	10:59 AM	28.80	71	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	10/09/06	2:17 PM	29.11	48	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	02/08/07	9:35 AM	28.84	5	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	04/04/07	11:38 AM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-557A	07/19/07	12:34 PM	30.00	68	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-557A	11/02/07	2:26 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	01/15/08	9:04 AM	30.04	21	T	--	--	--	0
Lakeshore Engineering	GMSG-557A	04/28/08	9:13 AM	30.05	38	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	07/16/08	8:29 AM	30.10	73	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	10/17/08	2:15 PM	30.27	45	T	--	--	--	0
Lakeshore Engineering	GMSG-557A	01/22/09	11:37 AM	28.55	22	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	04/20/09	2:00 PM	28.28	34	0.02	--	--	--	0
Lakeshore Engineering	GMSG-557A	07/28/09	7:45 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	10/22/09	1:55 PM	28.85	41	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	04/22/10	11:27 AM	28.63	48	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	11/05/10	1:11 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	10/24/12	2:17 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	11/07/13	2:20 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	09/30/14	2:18 PM	28.79	57	0	--	--	--	0
Lakeshore Engineering	GMSG-557A	08/07/15	2:03 PM	28.64	66	T	--	--	--	0
Lakeshore Engineering	GMSG-557B	03/07/06	9:11 AM	29.05	22	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	03/14/06	1:14 PM	28.59	27	T	--	--	--	0
Lakeshore Engineering	GMSG-557B	03/20/06	10:05 AM	29.14	26	T	--	--	--	0
Lakeshore Engineering	GMSG-557B	04/06/06	1:54 PM	28.51	58	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	05/16/06	9:16 AM	28.64	61	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	06/01/06	1:01 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-557B	07/11/06	11:01 AM	28.80	71	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	10/09/06	2:19 PM	29.11	48	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	02/09/07	9:21 AM	28.96	5	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	04/04/07	11:39 AM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-557B	07/19/07	12:35 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	11/02/07	2:27 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	01/15/08	9:05 AM	30.04	21	T	--	--	--	0
Lakeshore Engineering	GMSG-557B	04/28/08	9:14 AM	30.05	38	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	07/16/08	8:30 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	10/17/08	2:16 PM	30.27	45	T	--	--	--	0
Lakeshore Engineering	GMSG-557B	01/22/09	11:38 AM	28.55	22	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	04/20/09	2:02 PM	28.28	34	0.02	--	--	--	0
Lakeshore Engineering	GMSG-557B	10/22/09	1:56 PM	28.85	41	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	04/22/10	11:28 AM	28.63	48	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	11/05/10	1:12 PM	28.74	34	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-557B	10/24/12	2:18 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	11/07/13	2:21 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	09/30/14	2:19 PM	28.79	57	0	--	--	--	0
Lakeshore Engineering	GMSG-557B	08/07/15	2:05 PM	28.64	66	T	--	--	--	0
Lakeshore Engineering	GMSG-558A	03/07/06	9:19 AM	29.05	22	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	03/14/06	1:22 PM	28.59	27	T	--	--	--	0
Lakeshore Engineering	GMSG-558A	03/20/06	10:12 AM	29.14	26	T	--	--	--	0
Lakeshore Engineering	GMSG-558A	04/06/06	12:58 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	05/16/06	9:20 AM	28.64	61	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	06/01/06	1:05 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-558A	07/11/06	9:57 AM	28.80	70	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	10/09/06	1:18 PM	29.11	49	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	02/04/07	9:46 AM	28.79	-9	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	04/04/07	11:44 AM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-558A	07/19/07	12:30 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	11/02/07	1:54 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	01/15/08	9:21 AM	30.04	21	T	--	--	--	0
Lakeshore Engineering	GMSG-558A	04/28/08	9:17 AM	30.05	38	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	07/16/08	8:34 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	10/17/08	2:20 PM	30.27	45	T	--	--	--	0
Lakeshore Engineering	GMSG-558A	01/22/09	11:47 AM	28.55	22	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	04/20/09	12:45 PM	28.29	34	T	--	--	--	0
Lakeshore Engineering	GMSG-558A	07/28/09	7:51 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	10/22/09	2:01 PM	28.85	41	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	04/22/10	11:33 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	11/05/10	1:16 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	07/09/11	8:25 AM	28.68	68	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	10/24/12	1:52 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	11/07/13	1:55 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	08/24/14	1:29 PM	28.77	77	0	--	--	--	0
Lakeshore Engineering	GMSG-558A	08/07/15	1:05 PM	28.64	65	T	--	--	--	0
Lakeshore Engineering	GMSG-558B	03/07/06	9:20 AM	29.05	22	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	03/14/06	1:23 PM	28.59	27	T	--	--	--	0
Lakeshore Engineering	GMSG-558B	03/20/06	10:13 AM	29.14	26	T	--	--	--	0
Lakeshore Engineering	GMSG-558B	04/06/06	12:59 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	05/16/06	9:21 AM	28.64	61	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-558B	06/01/06	1:06 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-558B	07/11/06	9:59 AM	28.80	70	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	10/09/06	1:19 PM	29.11	49	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	02/04/07	9:47 AM	28.79	-9	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	04/04/07	11:45 AM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-558B	07/19/07	12:31 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	11/02/07	1:55 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	01/15/08	9:22 AM	30.04	21	T	--	--	--	0
Lakeshore Engineering	GMSG-558B	04/28/08	9:18 AM	30.05	38	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	07/16/08	8:35 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	10/17/08	2:21 PM	30.27	45	T	--	--	--	0
Lakeshore Engineering	GMSG-558B	01/22/09	11:48 AM	28.55	22	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	04/20/09	12:47 PM	28.29	34	T	--	--	--	0
Lakeshore Engineering	GMSG-558B	07/28/09	7:53 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	10/22/09	2:02 PM	28.85	41	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	04/22/10	11:34 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	11/05/10	1:17 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	07/09/11	8:26 AM	28.68	68	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	10/24/12	1:53 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	11/07/13	1:55 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	08/24/14	1:31 PM	28.76	78	0	--	--	--	0
Lakeshore Engineering	GMSG-558B	08/07/15	1:10 PM	28.64	65	T	--	--	--	0
Lakeshore Engineering	GMSG-559A	03/07/06	3:38 PM	28.83	36	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	03/14/06	1:29 PM	28.59	27	T	--	--	--	0
Lakeshore Engineering	GMSG-559A	03/20/06	10:18 AM	29.14	26	T	--	--	--	0
Lakeshore Engineering	GMSG-559A	04/06/06	1:05 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	05/16/06	9:26 AM	28.64	61	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	06/01/06	1:10 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-559A	07/11/06	10:06 AM	28.80	70	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	10/09/06	1:24 PM	29.11	49	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	02/08/07	3:01 PM	28.75	19	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	04/04/07	11:53 AM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-559A	07/19/07	1:05 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	11/02/07	2:00 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	01/15/08	9:32 AM	30.05	22	T	--	--	--	0
Lakeshore Engineering	GMSG-559A	04/28/08	9:25 AM	30.05	38	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-559A	07/16/08	8:40 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	10/17/08	2:27 PM	30.27	45	T	--	--	--	0
Lakeshore Engineering	GMSG-559A	01/22/09	12:05 PM	28.55	22	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	04/20/09	1:00 PM	28.29	34	T	--	--	--	0
Lakeshore Engineering	GMSG-559A	07/28/09	7:56 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	10/22/09	2:05 PM	28.85	41	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	04/22/10	11:37 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	11/05/10	1:20 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	07/08/11	5:42 PM	28.65	76	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	07/09/11	8:29 AM	28.68	68	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	10/24/12	1:56 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	11/07/13	1:57 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	09/30/14	2:30 PM	28.77	57	0	--	--	--	0
Lakeshore Engineering	GMSG-559A	08/07/15	1:19 PM	28.64	65	T	--	--	--	0
Lakeshore Engineering	GMSG-559B	03/07/06	3:39 PM	28.83	36	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	03/14/06	1:30 PM	28.60	26	T	--	--	--	0
Lakeshore Engineering	GMSG-559B	03/20/06	10:19 AM	29.14	26	T	--	--	--	0
Lakeshore Engineering	GMSG-559B	04/06/06	1:06 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	05/16/06	9:27 AM	28.64	61	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	06/01/06	1:11 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-559B	07/11/06	10:08 AM	28.80	70	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	10/09/06	1:26 PM	29.11	49	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	02/08/07	3:25 PM	28.75	19	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	04/04/07	11:54 AM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-559B	07/19/07	1:06 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	11/02/07	2:01 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	01/15/08	9:33 AM	30.05	22	T	--	--	--	0
Lakeshore Engineering	GMSG-559B	04/28/08	9:26 AM	30.05	38	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	07/16/08	8:41 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	10/17/08	2:28 PM	30.27	45	T	--	--	--	0
Lakeshore Engineering	GMSG-559B	01/22/09	12:06 PM	28.55	22	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	04/20/09	1:02 PM	28.29	34	T	--	--	--	0
Lakeshore Engineering	GMSG-559B	07/28/09	7:58 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	10/22/09	2:06 PM	28.85	41	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	04/22/10	11:38 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	11/05/10	1:21 PM	28.74	34	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-559B	07/08/11	5:43 PM	28.65	76	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	07/09/11	8:30 AM	28.67	72	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	10/24/12	1:57 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	11/07/13	1:57 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	09/30/14	2:31 PM	28.77	57	0	--	--	--	0
Lakeshore Engineering	GMSG-559B	08/07/15	1:21 PM	28.64	65	T	--	--	--	0
Lakeshore Engineering	GMSG-560A	03/07/06	9:27 AM	29.05	22	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	03/14/06	1:35 PM	28.60	26	T	--	--	--	0
Lakeshore Engineering	GMSG-560A	03/20/06	10:23 AM	29.14	26	T	--	--	--	0
Lakeshore Engineering	GMSG-560A	04/06/06	1:10 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	05/16/06	9:32 AM	28.63	67	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	06/01/06	1:14 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-560A	07/11/06	10:17 AM	28.80	70	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	10/09/06	1:34 PM	29.11	48	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	02/04/07	10:22 AM	28.79	-9	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	04/04/07	12:15 PM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-560A	07/19/07	12:41 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	11/02/07	2:04 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	01/15/08	9:40 AM	30.05	22	T	--	--	--	0
Lakeshore Engineering	GMSG-560A	04/28/08	9:30 AM	30.06	35	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	07/16/08	8:47 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	10/17/08	2:31 PM	30.26	46	T	--	--	--	0
Lakeshore Engineering	GMSG-560A	01/22/09	12:10 PM	28.55	22	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	04/20/09	1:10 PM	28.29	34	T	--	--	--	0
Lakeshore Engineering	GMSG-560A	07/28/09	8:05 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	10/30/09	10:39 AM	28.07	56	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	04/22/10	11:43 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	11/05/10	1:26 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	07/15/11	10:00 AM	28.77	69	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	10/24/12	2:02 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	11/07/13	2:01 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	08/24/14	12:54 PM	28.77	77	0	--	--	--	0
Lakeshore Engineering	GMSG-560A	08/07/15	1:26 PM	28.64	65	T	--	--	--	0
Lakeshore Engineering	GMSG-560B	03/07/06	9:28 AM	29.05	22	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	03/14/06	1:36 PM	28.60	26	T	--	--	--	0
Lakeshore Engineering	GMSG-560B	03/20/06	10:25 AM	29.14	26	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-560B	04/06/06	1:11 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	05/16/06	9:33 AM	28.63	67	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	06/01/06	1:15 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-560B	07/11/06	10:19 AM	28.80	70	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	10/09/06	1:36 PM	29.11	48	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	02/04/07	10:23 AM	28.79	-9	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	04/04/07	12:16 PM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-560B	07/19/07	12:42 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	11/02/07	2:05 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	01/15/08	9:41 AM	30.05	22	T	--	--	--	0
Lakeshore Engineering	GMSG-560B	04/28/08	9:31 AM	30.06	35	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	07/16/08	8:48 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	10/17/08	2:32 PM	30.26	46	T	--	--	--	0
Lakeshore Engineering	GMSG-560B	01/22/09	12:11 PM	28.55	22	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	04/20/09	1:12 PM	28.29	34	T	--	--	--	0
Lakeshore Engineering	GMSG-560B	07/28/09	8:06 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	10/30/09	10:40 AM	28.07	56	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	04/22/10	11:44 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	11/05/10	1:27 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	07/15/11	10:01 AM	28.77	69	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	10/24/12	2:03 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	11/07/13	2:01 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	08/24/14	12:56 PM	28.77	77	0	--	--	--	0
Lakeshore Engineering	GMSG-560B	08/07/15	1:34 PM	28.64	66	T	--	--	--	0
Lakeshore Engineering	GMSG-561A	03/07/06	3:43 PM	28.83	36	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	03/14/06	1:41 PM	28.60	26	T	--	--	--	0
Lakeshore Engineering	GMSG-561A	03/20/06	10:28 AM	29.14	26	T	--	--	--	0
Lakeshore Engineering	GMSG-561A	04/06/06	1:15 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	05/16/06	9:38 AM	28.63	67	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	06/01/06	1:19 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-561A	07/11/06	10:50 AM	28.80	71	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	10/09/06	1:40 PM	29.11	48	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	02/04/07	10:37 AM	28.82	-8	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	04/04/07	12:03 PM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-561A	07/19/07	12:46 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	11/02/07	2:07 PM	29.96	53	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-561A	01/15/08	9:46 AM	30.05	22	T	--	--	--	0
Lakeshore Engineering	GMSG-561A	04/28/08	9:33 AM	30.06	35	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	07/16/08	8:51 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	10/17/08	2:35 PM	30.26	46	T	--	--	--	0
Lakeshore Engineering	GMSG-561A	01/22/09	12:24 PM	28.55	22	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	04/20/09	1:15 PM	28.29	34	T	--	--	--	0
Lakeshore Engineering	GMSG-561A	07/28/09	8:10 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	10/30/09	10:43 AM	28.07	56	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	04/22/10	11:46 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	11/05/10	1:29 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	07/15/11	10:03 AM	28.77	69	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	10/24/12	2:05 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	11/07/13	2:03 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	08/24/14	12:59 PM	28.77	77	0	--	--	--	0
Lakeshore Engineering	GMSG-561A	08/07/15	1:39 PM	28.64	66	T	--	--	--	0
Lakeshore Engineering	GMSG-561B	03/07/06	3:45 PM	28.83	36	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	03/14/06	1:42 PM	28.60	26	T	--	--	--	0
Lakeshore Engineering	GMSG-561B	03/20/06	10:30 AM	29.13	27	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	04/06/06	1:16 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	05/16/06	9:40 AM	28.63	67	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	06/01/06	1:20 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-561B	07/11/06	10:52 AM	28.80	71	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	10/09/06	1:42 PM	29.11	48	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	02/04/07	10:38 AM	28.82	-8	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	04/04/07	12:04 PM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-561B	07/19/07	12:47 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	11/02/07	2:08 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	01/15/08	9:47 AM	30.05	22	T	--	--	--	0
Lakeshore Engineering	GMSG-561B	04/28/08	9:34 AM	30.06	35	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	07/16/08	8:52 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	10/17/08	2:36 PM	30.26	46	T	--	--	--	0
Lakeshore Engineering	GMSG-561B	01/22/09	12:25 PM	28.55	22	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	04/20/09	1:18 PM	28.29	34	T	--	--	--	0
Lakeshore Engineering	GMSG-561B	07/28/09	8:11 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	10/30/09	10:44 AM	28.07	56	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	04/22/10	11:47 AM	28.61	50	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-561B	11/05/10	1:30 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	07/15/11	10:04 AM	28.77	69	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	10/24/12	2:06 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	11/07/13	2:03 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	08/24/14	1:01 PM	28.77	77	0	--	--	--	0
Lakeshore Engineering	GMSG-561B	08/07/15	1:40 PM	28.64	66	T	--	--	--	0
Lakeshore Engineering	GMSG-562A	03/07/06	9:39 AM	29.03	29	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	03/14/06	1:48 PM	28.60	26	T	--	--	--	0
Lakeshore Engineering	GMSG-562A	03/20/06	10:34 AM	29.13	27	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	04/06/06	1:19 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	05/16/06	9:44 AM	28.63	67	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	06/01/06	1:23 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-562A	07/11/06	10:28 AM	28.80	70	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	10/09/06	1:59 PM	29.11	48	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	02/04/07	11:48 AM	28.82	-7	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	04/04/07	12:11 PM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-562A	07/19/07	12:52 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	11/02/07	2:11 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	01/15/08	9:53 AM	30.05	22	T	--	--	--	0
Lakeshore Engineering	GMSG-562A	04/28/08	9:37 AM	30.06	35	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	07/16/08	8:57 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	10/17/08	2:41 PM	30.26	46	T	--	--	--	0
Lakeshore Engineering	GMSG-562A	01/22/09	12:37 PM	28.54	23	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	04/20/09	1:52 PM	28.28	34	0.02	--	--	--	0
Lakeshore Engineering	GMSG-562A	07/28/09	8:23 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	10/30/09	10:48 AM	28.07	56	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	04/22/10	11:49 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	11/05/10	1:33 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	07/15/11	10:17 AM	28.77	69	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	10/24/12	2:10 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	11/07/13	2:20 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	08/24/14	1:40 PM	28.76	78	0	--	--	--	0
Lakeshore Engineering	GMSG-562A	08/07/15	1:55 PM	28.64	66	T	--	--	--	0
Lakeshore Engineering	GMSG-562B	03/07/06	9:40 AM	29.03	29	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	03/14/06	1:49 PM	28.60	26	T	--	--	--	0
Lakeshore Engineering	GMSG-562B	03/20/06	10:36 AM	29.13	27	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-562B	04/06/06	1:20 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	05/16/06	9:45 AM	28.63	67	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	06/01/06	1:24 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-562B	07/11/06	10:30 AM	28.80	71	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	10/09/06	2:01 PM	29.11	48	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	02/04/07	11:49 AM	28.82	-7	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	04/04/07	12:12 PM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-562B	07/19/07	12:53 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	11/02/07	2:12 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	01/15/08	9:54 AM	30.05	22	T	--	--	--	0
Lakeshore Engineering	GMSG-562B	04/28/08	9:38 AM	30.06	35	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	07/16/08	8:58 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	10/17/08	2:42 PM	30.26	46	T	--	--	--	0
Lakeshore Engineering	GMSG-562B	01/22/09	12:38 PM	28.54	23	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	04/20/09	1:54 PM	28.28	34	0.02	--	--	--	0
Lakeshore Engineering	GMSG-562B	07/28/09	8:24 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	10/30/09	10:49 AM	28.07	56	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	04/22/10	11:50 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	11/05/10	1:34 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	07/15/11	10:18 AM	28.77	69	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	10/24/12	2:11 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	11/07/13	2:24 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	08/24/14	1:42 PM	28.76	78	0	--	--	--	0
Lakeshore Engineering	GMSG-562B	08/07/15	1:58 PM	28.64	66	T	--	--	--	0
Lakeshore Engineering	GMSG-563	03/07/06	9:36 AM	29.03	29	0	--	--	--	0
Lakeshore Engineering	GMSG-563	03/14/06	1:58 PM	28.60	26	T	--	--	--	0
Lakeshore Engineering	GMSG-563	03/20/06	10:40 AM	29.13	27	0	--	--	--	0
Lakeshore Engineering	GMSG-563	04/06/06	1:26 PM	28.54	56	0	--	--	--	0
Lakeshore Engineering	GMSG-563	05/16/06	9:49 AM	28.63	67	0	--	--	--	0
Lakeshore Engineering	GMSG-563	06/01/06	1:28 PM	28.88	74	T	--	--	--	0
Lakeshore Engineering	GMSG-563	07/11/06	10:35 AM	28.80	71	0	--	--	--	0
Lakeshore Engineering	GMSG-563	10/09/06	1:53 PM	29.11	48	0	--	--	--	0
Lakeshore Engineering	GMSG-563	02/04/07	10:48 AM	28.82	-8	0	--	--	--	0
Lakeshore Engineering	GMSG-563	04/04/07	12:18 PM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-563	07/19/07	12:56 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-563	11/02/07	2:16 PM	29.96	53	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-563	01/15/08	10:11 AM	30.05	22	T	--	--	--	0
Lakeshore Engineering	GMSG-563	04/28/08	9:40 AM	30.06	35	0	--	--	--	0
Lakeshore Engineering	GMSG-563	07/16/08	9:01 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-563	10/17/08	2:44 PM	30.26	46	T	--	--	--	0
Lakeshore Engineering	GMSG-563	01/22/09	12:46 PM	28.54	23	0	--	--	--	0
Lakeshore Engineering	GMSG-563	04/20/09	1:34 PM	28.28	34	0.02	--	--	--	0
Lakeshore Engineering	GMSG-563	07/28/09	8:16 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-563	10/30/09	10:52 AM	28.07	56	0	--	--	--	0
Lakeshore Engineering	GMSG-563	04/22/10	11:53 AM	28.61	50	0	--	--	--	0
Lakeshore Engineering	GMSG-563	11/05/10	1:38 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-563	07/15/11	10:12 AM	28.77	69	0	--	--	--	0
Lakeshore Engineering	GMSG-563	10/24/12	2:14 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-563	11/07/13	2:11 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-563	08/24/14	1:09 PM	28.77	77	0	--	--	--	0
Lakeshore Engineering	GMSG-563	08/07/15	1:51 PM	28.64	66	T	--	--	--	0
Lakeshore Engineering	GMSG-564	03/08/06	4:04 PM	28.41	37	0	--	--	--	0
Lakeshore Engineering	GMSG-564	03/14/06	2:06 PM	28.60	26	T	--	--	--	0
Lakeshore Engineering	GMSG-564	03/20/06	10:45 AM	29.13	27	0	--	--	--	0
Lakeshore Engineering	GMSG-564	04/06/06	1:37 PM	28.51	58	0	--	--	--	0
Lakeshore Engineering	GMSG-564	05/16/06	9:52 AM	28.63	67	0	--	--	--	0
Lakeshore Engineering	GMSG-564	06/01/06	1:31 PM	28.86	75	T	--	--	--	0
Lakeshore Engineering	GMSG-564	07/11/06	10:45 AM	28.80	71	0	--	--	--	0
Lakeshore Engineering	GMSG-564	10/09/06	1:45 PM	29.11	48	0	--	--	--	0
Lakeshore Engineering	GMSG-564	02/04/07	10:59 AM	28.82	-8	0	--	--	--	0
Lakeshore Engineering	GMSG-564	04/04/07	12:22 PM	28.63	20	T	--	--	--	0
Lakeshore Engineering	GMSG-564	07/19/07	1:03 PM	30.00	68	0	--	--	--	0
Lakeshore Engineering	GMSG-564	11/02/07	2:21 PM	29.96	53	0	--	--	--	0
Lakeshore Engineering	GMSG-564	01/15/08	10:04 AM	30.05	22	T	--	--	--	0
Lakeshore Engineering	GMSG-564	04/28/08	9:43 AM	30.06	35	0	--	--	--	0
Lakeshore Engineering	GMSG-564	07/16/08	9:05 AM	30.09	77	0	--	--	--	0
Lakeshore Engineering	GMSG-564	10/17/08	2:50 PM	30.26	46	T	--	--	--	0
Lakeshore Engineering	GMSG-564	01/22/09	1:03 PM	28.54	23	0	--	--	--	0
Lakeshore Engineering	GMSG-564	04/20/09	1:25 PM	28.29	34	T	--	--	--	0
Lakeshore Engineering	GMSG-564	07/28/09	8:13 AM	28.45	65	0	--	--	--	0
Lakeshore Engineering	GMSG-564	10/30/09	10:57 AM	28.07	56	0	--	--	--	0
Lakeshore Engineering	GMSG-564	04/22/10	11:56 AM	28.61	50	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Lakeshore Engineering	GMSG-564	11/05/10	1:41 PM	28.74	34	0	--	--	--	0
Lakeshore Engineering	GMSG-564	07/15/11	10:07 AM	28.77	69	0	--	--	--	0
Lakeshore Engineering	GMSG-564	10/24/12	2:21 PM	28.59	60	0	--	--	--	0
Lakeshore Engineering	GMSG-564	11/07/13	2:07 PM	28.80	35	0	--	--	--	0
Lakeshore Engineering	GMSG-564	08/24/14	1:04 PM	28.77	77	0	--	--	--	0
Lakeshore Engineering	GMSG-564	08/07/15	1:44 PM	28.64	66	T	--	--	--	0
Manor Care Health Services	GMSG-28	06/13/99	9:25 AM	28.84	65	0	0	0.2	19.7	--
Manor Care Health Services	GMSG-28	06/16/99	9:27 AM	28.96	46	T	0	0.2	19.4	--
Manor Care Health Services	GMSG-28	06/17/99	3:30 PM	28.96	68	0	0	0.2	19.9	--
Manor Care Health Services	GMSG-28	06/18/99	8:15 AM	29.04	66	0	0	0.2	20	--
Manor Care Health Services	GMSG-28	06/19/99	11:45 AM	29.01	70	0	0	0.2	20.2	--
Manor Care Health Services	GMSG-28	06/20/99	11:30 AM	28.99	76	0	0	0.1	20.3	--
Manor Care Health Services	GMSG-28	07/10/99	4:37 PM	28.91	73	0	0	0.3	19.6	--
Manor Care Health Services	GMSG-28	07/27/99	2:44 PM	28.71	81	0	0	0.5	19.6	--
Manor Care Health Services	GMSG-28	08/07/99	3:42 PM	28.51	76	0	0	0.6	19.3	--
Manor Care Health Services	GMSG-28	09/24/99	9:30 AM	28.69	52	0	0	0.2	20.3	--
Manor Care Health Services	GMSG-28	10/06/99	10:50 AM	29.05	41	0	0	0.2	19.6	--
Manor Care Health Services	GMSG-28	10/27/99	8:08 AM	28.98	32	0	0	0.1	20.9	--
Manor Care Health Services	GMSG-28	11/05/99	12:10 PM	28.73	53	0	0	0.1	20.6	--
Manor Care Health Services	GMSG-28	11/09/99	1:00 PM	28.42	72	0	0	0.3	20.2	--
Manor Care Health Services	GMSG-28	02/18/00	11:23 AM	28.92	19	0	0	0	20.6	--
Manor Care Health Services	GMSG-28	03/19/00	9:24 AM	28.85	31	0	0	0	20.7	--
Manor Care Health Services	GMSG-28	04/03/00	8:52 AM	28.34	41	0	0	0	18.3	--
Manor Care Health Services	GMSG-28	10/10/00	3:00 PM	28.79	67	0	0	0.4	20.6	--
Manor Care Health Services	GMSG-28	05/20/01	9:40 AM	28.64	73	0	0	0.1	18.7	--
Manor Care Health Services	GMSG-28	09/11/01	5:10 PM	28.93	62	0	0	0.5	19.9	--
Manor Care Health Services	GMSG-28	09/25/01	2:30 PM	28.88	57	0	0	0.2	20.2	--
Manor Care Health Services	GMSG-28	10/21/01	12:05 PM	28.81	51	0	0	0	20.4	--
Manor Care Health Services	GMSG-28	11/13/01	11:00 AM	28.79	44	0	0	0	20.3	--
Manor Care Health Services	GMSG-28	02/13/02	11:21 AM	28.90	19	0	0	0	19.6	--
Manor Care Health Services	GMSG-28	06/26/02	9:27 AM	28.61	74	0	0	0.2	20.4	--
Manor Care Health Services	GMSG-28	09/27/02	1:30 PM	28.70	63	0	0	0.1	20.9	0
Manor Care Health Services	GMSG-28	11/20/02	1:32 PM	28.68	32	0.01	0	0	19.8	0
Manor Care Health Services	GMSG-28	01/28/03	1:01 PM	28.74	23	T	0	0	19.7	0
Manor Care Health Services	GMSG-28	04/21/03	10:34 AM	28.48	40	T	0	0.1	19.9	0
Manor Care Health Services	GMSG-28	08/04/03	11:02 AM	28.75	70	0	0	0.3	19.2	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Manor Care Health Services	GMSG-28	11/01/03	11:45 AM	29.08	37	0	0	0	19.6	0
Manor Care Health Services	GMSG-28	01/19/04	3:30 PM	28.94	7	0	0	0	18.5	0
Manor Care Health Services	GMSG-28	04/17/04	11:45 AM	28.92	63	0	0	0	17.9	0
Manor Care Health Services	GMSG-28	07/13/04	9:20 AM	28.63	73	T	0	0.4	19.1	0
Manor Care Health Services	GMSG-28	10/20/04	12:32 PM	28.88	54	0	0	0.1	19.7	0
Manor Care Health Services	GMSG-28	01/27/05	10:10 AM	29.36	-2	T	--	--	--	0
Manor Care Health Services	GMSG-28	04/01/05	9:08 AM	28.80	44	0	--	--	--	0
Manor Care Health Services	GMSG-28	07/05/05	8:17 AM	28.83	60	0	--	--	--	0
Manor Care Health Services	GMSG-28	10/10/05	8:45 AM	29.01	41	0	--	--	--	0
Manor Care Health Services	GMSG-28	02/22/06	3:22 PM	28.48	31	0	--	--	--	0
Manor Care Health Services	GMSG-28	04/05/06	3:28 PM	28.70	58	0	--	--	--	0
Manor Care Health Services	GMSG-28	07/07/06	1:17 PM	29.01	84	0	--	--	--	0
Manor Care Health Services	GMSG-28	10/03/06	3:39 PM	28.82	68	0	--	--	--	0
Manor Care Health Services	GMSG-28	02/03/07	1:50 PM	28.52	1	T	--	--	--	0
Manor Care Health Services	GMSG-28	04/02/07	11:25 AM	28.62	41	0	--	--	--	0
Manor Care Health Services	GMSG-28	07/18/07	10:26 AM	29.90	73	0	--	--	--	0
Manor Care Health Services	GMSG-28	10/23/07	11:19 AM	29.85	50	0	--	--	--	0
Manor Care Health Services	GMSG-28	01/07/08	10:08 AM	29.81	32	0	--	--	--	0
Manor Care Health Services	GMSG-28	04/24/08	11:28 AM	30.08	65	0	--	--	--	0
Manor Care Health Services	GMSG-28	07/14/08	8:15 AM	29.86	62	0	--	--	--	0
Manor Care Health Services	GMSG-28	10/14/08	3:13 PM	30.13	56	0	--	--	--	0
Manor Care Health Services	GMSG-28	01/22/09	2:47 PM	28.55	23	0	--	--	--	0
Manor Care Health Services	GMSG-28	04/01/09	11:53 AM	28.18	34	T	--	--	--	0
Manor Care Health Services	GMSG-28	07/30/09	10:09 AM	28.58	61	0.01	--	--	--	0
Manor Care Health Services	GMSG-28	10/20/09	3:02 PM	28.83	49	0	--	--	--	0
Manor Care Health Services	GMSG-28	04/22/10	2:23 PM	28.58	56	0	--	--	--	0
Manor Care Health Services	GMSG-28	11/01/10	1:56 PM	29.11	50	0	--	--	--	0
Manor Care Health Services	GMSG-28	07/09/11	1:31 PM	28.61	75	T	--	--	--	0
Manor Care Health Services	GMSG-28	11/02/12	2:31 PM	28.85	35	0	--	--	--	0
Manor Care Health Services	GMSG-28	11/11/13	9:15 AM	28.91	23	0	--	--	--	0
Manor Care Health Services	GMSG-28	08/11/14	10:55 AM	28.65	77	0	--	--	--	0
Manor Care Health Services	GMSG-28	08/07/15	2:04 PM	28.64	66	T	--	--	--	0
Manor Care Health Services	GMSG-441	06/06/05	10:34 AM	28.50	71	0	--	--	--	10
Manor Care Health Services	GMSG-441	06/06/05	12:39 PM	28.51	74	0	0	0.8	18.5	--
Manor Care Health Services	GMSG-441	06/06/05	12:40 PM	28.51	74	0	--	--	--	--
Manor Care Health Services	GMSG-441	06/08/05	7:57 AM	28.64	54	0	--	--	--	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Manor Care Health Services	GMSG-441	06/08/05	8:01 AM	28.64	54	0	--	--	--	0
Manor Care Health Services	GMSG-441	06/13/05	9:26 AM	28.58	72	0	--	--	--	0
Manor Care Health Services	GMSG-441	06/21/05	11:00 AM	28.88	81	0	--	--	--	0
Manor Care Health Services	GMSG-441	07/10/05	10:43 AM	28.94	89	0	--	--	--	0
Manor Care Health Services	GMSG-441	08/01/05	1:29 PM	28.85	85	0	--	--	--	0
Manor Care Health Services	GMSG-441	09/12/05	11:13 AM	28.76	87	0	--	--	--	0
Manor Care Health Services	GMSG-441	10/10/05	9:20 AM	29.01	41	0	--	--	--	0
Manor Care Health Services	GMSG-441	02/22/06	3:07 PM	28.48	31	0	--	--	--	0
Manor Care Health Services	GMSG-441	04/05/06	3:25 PM	28.70	58	0	--	--	--	0
Manor Care Health Services	GMSG-441	07/07/06	2:00 PM	28.99	84	0	--	--	--	0
Manor Care Health Services	GMSG-441	10/03/06	3:35 PM	28.82	68	0	--	--	--	0
Manor Care Health Services	GMSG-441	02/03/07	2:31 PM	28.56	0	T	--	--	--	0
Manor Care Health Services	GMSG-441	04/02/07	11:22 AM	28.62	41	0	--	--	--	0
Manor Care Health Services	GMSG-441	07/18/07	10:23 AM	29.90	73	0	--	--	--	0
Manor Care Health Services	GMSG-441	10/23/07	11:04 AM	29.85	50	0	--	--	--	0
Manor Care Health Services	GMSG-441	01/07/08	9:53 AM	29.81	32	0	--	--	--	0
Manor Care Health Services	GMSG-441	04/24/08	11:25 AM	30.08	65	0	--	--	--	0
Manor Care Health Services	GMSG-441	07/14/08	8:13 AM	29.86	62	0	--	--	--	0
Manor Care Health Services	GMSG-441	10/14/08	3:10 PM	30.13	56	0	--	--	--	0
Manor Care Health Services	GMSG-441	01/22/09	2:40 PM	28.55	23	0	--	--	--	0
Manor Care Health Services	GMSG-441	04/01/09	11:51 AM	28.18	34	T	--	--	--	0
Manor Care Health Services	GMSG-441	07/30/09	10:06 AM	28.58	61	0.01	--	--	--	0
Manor Care Health Services	GMSG-441	10/20/09	2:59 PM	28.83	49	0	--	--	--	0
Manor Care Health Services	GMSG-441	04/22/10	2:20 PM	28.58	56	0	--	--	--	0
Manor Care Health Services	GMSG-441	11/01/10	1:53 PM	29.11	50	0	--	--	--	0
Manor Care Health Services	GMSG-441	07/09/11	1:26 PM	28.64	75	T	--	--	--	0
Manor Care Health Services	GMSG-441	11/02/12	2:28 PM	28.83	37	0	--	--	--	0
Manor Care Health Services	GMSG-441	11/11/13	9:15 AM	28.91	23	0	--	--	--	0
Manor Care Health Services	GMSG-441	08/11/14	10:45 AM	28.65	77	0	--	--	--	0
Manor Care Health Services	GMSG-441	08/07/15	2:08 PM	28.64	66	T	--	--	--	0
Manor Care Health Services	GMSG-442	06/06/05	10:27 AM	28.49	70	0	--	--	--	3
Manor Care Health Services	GMSG-442	06/06/05	12:32 PM	28.51	74	0	0	0.5	18.4	--
Manor Care Health Services	GMSG-442	06/06/05	12:33 PM	28.51	74	0	--	--	--	--
Manor Care Health Services	GMSG-442	06/08/05	7:42 AM	28.64	54	0	--	--	--	--
Manor Care Health Services	GMSG-442	06/08/05	7:43 AM	28.64	54	0	--	--	--	0
Manor Care Health Services	GMSG-442	06/13/05	9:21 AM	28.58	72	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Manor Care Health Services	GMSG-442	06/21/05	10:55 AM	28.88	81	0	--	--	--	0
Manor Care Health Services	GMSG-442	07/10/05	10:25 AM	28.93	87	0	--	--	--	0
Manor Care Health Services	GMSG-442	08/01/05	1:32 PM	28.85	88	0	--	--	--	0
Manor Care Health Services	GMSG-442	09/12/05	11:17 AM	28.76	87	0	--	--	--	0
Manor Care Health Services	GMSG-442	10/10/05	8:55 AM	29.01	41	0	--	--	--	0
Manor Care Health Services	GMSG-442	02/22/06	3:09 PM	28.48	31	0	--	--	--	0
Manor Care Health Services	GMSG-442	04/05/06	3:21 PM	28.70	58	0	--	--	--	0
Manor Care Health Services	GMSG-442	07/07/06	1:54 PM	28.99	84	0	--	--	--	0
Manor Care Health Services	GMSG-442	10/03/06	3:50 PM	28.82	68	0	--	--	--	0
Manor Care Health Services	GMSG-442	02/03/07	2:24 PM	28.52	1	T	--	--	--	0
Manor Care Health Services	GMSG-442	04/02/07	11:19 AM	28.62	41	0	--	--	--	0
Manor Care Health Services	GMSG-442	07/18/07	10:34 AM	29.89	79	0	--	--	--	0
Manor Care Health Services	GMSG-442	10/23/07	11:08 AM	29.85	50	0	--	--	--	0
Manor Care Health Services	GMSG-442	01/07/08	10:02 AM	29.81	32	0	--	--	--	0
Manor Care Health Services	GMSG-442	04/24/08	11:37 AM	30.05	64	0	--	--	--	0
Manor Care Health Services	GMSG-442	07/14/08	8:23 AM	29.86	62	0	--	--	--	0
Manor Care Health Services	GMSG-442	10/14/08	3:21 PM	30.13	56	0	--	--	--	0
Manor Care Health Services	GMSG-442	01/22/09	3:05 PM	28.55	23	0	--	--	--	0
Manor Care Health Services	GMSG-442	04/01/09	12:00 PM	28.18	34	T	--	--	--	0
Manor Care Health Services	GMSG-442	07/30/09	10:18 AM	28.58	61	0.01	--	--	--	0
Manor Care Health Services	GMSG-442	10/20/09	3:11 PM	28.83	49	0	--	--	--	0
Manor Care Health Services	GMSG-442	04/22/10	2:30 PM	28.57	55	0	--	--	--	0
Manor Care Health Services	GMSG-442	11/01/10	2:03 PM	29.11	50	0	--	--	--	0
Manor Care Health Services	GMSG-442	11/02/12	2:38 PM	28.85	35	0	--	--	--	0
Manor Care Health Services	GMSG-442	11/11/13	9:15 AM	28.91	23	0	--	--	--	0
Manor Care Health Services	GMSG-442	08/20/14	2:50 PM	28.64	69	0	--	--	--	0
Manor Care Health Services	GMSG-442	08/07/15	1:52 PM	28.64	66	T	--	--	--	0
Manor Care Health Services	GMSG-443	06/06/05	9:06 AM	28.48	65	0	--	--	--	0
Manor Care Health Services	GMSG-443	06/13/05	9:34 AM	28.56	77	0	--	--	--	0
Manor Care Health Services	GMSG-443	06/21/05	11:09 AM	28.88	81	0	--	--	--	0
Manor Care Health Services	GMSG-443	07/10/05	10:15 AM	28.93	87	0	--	--	--	0
Manor Care Health Services	GMSG-443	08/01/05	1:35 PM	28.85	88	0	--	--	--	0
Manor Care Health Services	GMSG-443	09/12/05	11:20 AM	28.76	87	0	--	--	--	0
Manor Care Health Services	GMSG-443	10/10/05	9:10 AM	29.01	41	0	--	--	--	0
Manor Care Health Services	GMSG-443	02/22/06	3:25 PM	28.48	31	0	--	--	--	0
Manor Care Health Services	GMSG-443	04/05/06	3:32 PM	28.70	56	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Manor Care Health Services	GMSG-443	07/07/06	1:43 PM	28.99	84	0	--	--	--	0
Manor Care Health Services	GMSG-443	10/03/06	3:44 PM	28.82	68	0	--	--	--	0
Manor Care Health Services	GMSG-443	02/03/07	2:08 PM	28.52	1	T	--	--	--	0
Manor Care Health Services	GMSG-443	04/02/07	11:30 AM	28.65	42	0	--	--	--	0
Manor Care Health Services	GMSG-443	07/18/07	10:31 AM	29.89	79	0	--	--	--	0
Manor Care Health Services	GMSG-443	10/23/07	11:12 AM	29.85	50	0	--	--	--	0
Manor Care Health Services	GMSG-443	01/07/08	9:58 AM	29.81	32	0	--	--	--	0
Manor Care Health Services	GMSG-443	04/24/08	11:33 AM	30.05	64	0	--	--	--	0
Manor Care Health Services	GMSG-443	07/14/08	8:20 AM	29.86	62	0	--	--	--	0
Manor Care Health Services	GMSG-443	10/14/08	3:18 PM	30.13	56	0	--	--	--	0
Manor Care Health Services	GMSG-443	01/22/09	2:56 PM	28.55	23	0	--	--	--	0
Manor Care Health Services	GMSG-443	04/01/09	11:58 AM	28.18	34	T	--	--	--	0
Manor Care Health Services	GMSG-443	07/30/09	10:14 AM	28.58	61	0.01	--	--	--	0
Manor Care Health Services	GMSG-443	10/20/09	3:07 PM	28.83	49	0	--	--	--	0
Manor Care Health Services	GMSG-443	04/22/10	2:28 PM	28.58	56	0	--	--	--	0
Manor Care Health Services	GMSG-443	11/01/10	2:00 PM	29.11	50	0	--	--	--	0
Manor Care Health Services	GMSG-443	07/09/11	1:37 PM	28.61	75	T	--	--	--	0
Manor Care Health Services	GMSG-443	11/02/12	2:36 PM	28.85	35	0	--	--	--	0
Manor Care Health Services	GMSG-443	11/11/13	9:15 AM	28.91	23	0	--	--	--	0
Manor Care Health Services	GMSG-443	08/11/14	11:10 AM	28.65	77	0	--	--	--	0
Manor Care Health Services	GMSG-443	08/07/15	1:56 PM	28.64	66	T	--	--	--	0
Manor Care Health Services	GMSG-444	06/06/05	10:20 AM	28.49	70	0	--	--	--	4
Manor Care Health Services	GMSG-444	06/06/05	12:25 PM	28.50	74	0	0	0	19.9	--
Manor Care Health Services	GMSG-444	06/06/05	12:27 PM	28.50	74	0	--	--	--	--
Manor Care Health Services	GMSG-444	06/08/05	7:33 AM	28.64	54	0	--	--	--	--
Manor Care Health Services	GMSG-444	06/08/05	7:34 AM	28.64	54	0	--	--	--	0
Manor Care Health Services	GMSG-444	06/13/05	9:31 AM	28.56	77	0	--	--	--	0
Manor Care Health Services	GMSG-444	06/21/05	11:06 AM	28.88	81	0	--	--	--	0
Manor Care Health Services	GMSG-444	07/10/05	10:20 AM	28.93	87	0	--	--	--	0
Manor Care Health Services	GMSG-444	08/01/05	1:38 PM	28.85	88	0	--	--	--	0
Manor Care Health Services	GMSG-444	09/12/05	11:24 AM	28.76	87	0	--	--	--	0
Manor Care Health Services	GMSG-444	10/10/05	9:00 AM	29.01	41	0	--	--	--	0
Manor Care Health Services	GMSG-444	02/22/06	3:17 PM	28.48	31	0	--	--	--	0
Manor Care Health Services	GMSG-444	04/05/06	3:30 PM	28.70	56	0	--	--	--	0
Manor Care Health Services	GMSG-444	07/07/06	1:36 PM	28.99	84	0	--	--	--	0
Manor Care Health Services	GMSG-444	10/03/06	3:42 PM	28.82	68	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Manor Care Health Services	GMSG-444	02/03/07	1:57 PM	28.52	1	T	--	--	--	0
Manor Care Health Services	GMSG-444	04/02/07	11:27 AM	28.62	41	0	--	--	--	0
Manor Care Health Services	GMSG-444	07/18/07	10:29 AM	29.90	73	0	--	--	--	0
Manor Care Health Services	GMSG-444	10/23/07	11:15 AM	29.85	50	0	--	--	--	0
Manor Care Health Services	GMSG-444	01/07/08	9:56 AM	29.81	32	0	--	--	--	0
Manor Care Health Services	GMSG-444	04/24/08	11:30 AM	30.05	64	0	--	--	--	0
Manor Care Health Services	GMSG-444	07/14/08	8:18 AM	29.86	62	0	--	--	--	0
Manor Care Health Services	GMSG-444	10/14/08	3:16 PM	30.13	56	0	--	--	--	0
Manor Care Health Services	GMSG-444	01/22/09	2:51 PM	28.55	23	0	--	--	--	0
Manor Care Health Services	GMSG-444	04/01/09	11:56 AM	28.18	34	T	--	--	--	0
Manor Care Health Services	GMSG-444	07/30/09	10:12 AM	28.58	61	0.01	--	--	--	0
Manor Care Health Services	GMSG-444	10/20/09	3:05 PM	28.83	49	0	--	--	--	0
Manor Care Health Services	GMSG-444	04/22/10	2:25 PM	28.58	56	0	--	--	--	0
Manor Care Health Services	GMSG-444	11/01/10	1:58 PM	29.11	50	0	--	--	--	0
Manor Care Health Services	GMSG-444	07/09/11	1:34 PM	28.61	75	T	--	--	--	0
Manor Care Health Services	GMSG-444	11/02/12	2:34 PM	28.85	35	0	--	--	--	0
Manor Care Health Services	GMSG-444	11/12/13	9:15 AM	29.29	22	0	--	--	--	0
Manor Care Health Services	GMSG-444	08/11/14	11:03 AM	28.65	77	0	--	--	--	0
Manor Care Health Services	GMSG-444	08/07/15	1:59 PM	28.64	66	T	--	--	--	0
Maranatha Messengers	GMSG-428	10/16/03	8:57 AM	28.79	41	0	0	1	18.7	0
Maranatha Messengers	GMSG-428	10/29/03	1:03 PM	28.45	43	0	0	0.8	18.6	0
Maranatha Messengers	GMSG-428	11/03/03	5:05 PM	29.02	32	0.01	0	0.9	18.5	0
Maranatha Messengers	GMSG-428	11/12/03	12:49 PM	28.20	40	0	0	0.9	18.4	0
Maranatha Messengers	GMSG-428	12/18/03	8:58 AM	28.58	24	0	0	1	18.2	0
Maranatha Messengers	GMSG-428	01/20/04	2:11 PM	29.02	14	0	0	1.1	17.9	0
Maranatha Messengers	GMSG-428	04/17/04	3:11 PM	28.91	67	0	0	0.5	17.5	0
Maranatha Messengers	GMSG-428	07/13/04	12:03 PM	28.55	75	0	0	0.5	18.8	0
Maranatha Messengers	GMSG-428	10/28/04	9:08 AM	28.98	46	0	0	1.1	18.4	0
Maranatha Messengers	GMSG-428	01/25/05	12:30 PM	28.30	25	0	0	0.9	19	0
Maranatha Messengers	GMSG-428	04/02/05	2:53 PM	28.78	52	0	--	--	--	0
Maranatha Messengers	GMSG-428	07/01/05	3:07 PM	28.72	67	0	--	--	--	0
Maranatha Messengers	GMSG-428	10/10/05	4:45 PM	28.96	60	0	--	--	--	0
Maranatha Messengers	GMSG-428	02/22/06	12:17 PM	28.52	28	0	--	--	--	0
Maranatha Messengers	GMSG-428	04/03/06	3:11 PM	28.67	42	0	--	--	--	0
Maranatha Messengers	GMSG-428	07/10/06	2:28 PM	28.76	73	0	--	--	--	0
Maranatha Messengers	GMSG-428	10/03/06	2:34 PM	28.84	70	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Maranatha Messengers	GMSG-428	01/17/07	11:57 AM	29.05	23	0	--	--	--	0
Maranatha Messengers	GMSG-428	04/02/07	10:08 AM	28.59	40	0	--	--	--	0
Maranatha Messengers	GMSG-428	07/18/07	11:16 AM	29.89	79	0	--	--	--	0
Maranatha Messengers	GMSG-428	10/22/07	4:06 PM	30.01	51	0	--	--	--	0
Maranatha Messengers	GMSG-428	01/04/08	3:50 PM	29.94	27	0	--	--	--	0
Maranatha Messengers	GMSG-428	04/24/08	2:06 PM	30.00	62	T	--	--	--	0
Maranatha Messengers	GMSG-428	07/14/08	9:08 AM	29.87	66	0	--	--	--	0
Maranatha Messengers	GMSG-428	10/14/08	10:05 AM	30.17	49	0	--	--	--	0
Maranatha Messengers	GMSG-428	01/27/09	2:57 PM	28.95	9	0	--	--	--	0
Maranatha Messengers	GMSG-428	04/01/09	11:24 AM	28.18	34	T	--	--	--	0
Maranatha Messengers	GMSG-428	07/29/09	11:24 AM	28.54	71	0	--	--	--	0
Maranatha Messengers	GMSG-428	10/19/09	3:20 PM	28.50	66	0	--	--	--	0
Maranatha Messengers	GMSG-428	04/27/10	11:10 AM	28.66	50	0	--	--	--	0
Maranatha Messengers	GMSG-428	10/27/10	10:35 AM	27.88	41	T	--	--	--	0
Maranatha Messengers	GMSG-428	07/09/11	4:21 PM	28.59	80	0	--	--	--	0
Maranatha Messengers	GMSG-428	10/31/12	1:49 PM	28.53	40	0	--	--	--	0
Maranatha Messengers	GMSG-428	11/09/13	12:30 PM	28.39	40	0	--	--	--	0
Maranatha Messengers	GMSG-428	08/13/14	10:29 AM	28.76	68	0	--	--	--	0
Maranatha Messengers	GMSG-428	08/07/15	10:27 AM	28.65	60	T	--	--	--	0
Maranatha Messengers	GMSG-428B	08/24/05	1:27 PM	29.01	72	0	--	--	--	0
Maranatha Messengers	GMSG-428B	08/31/05	2:55 PM	28.63	76	0	--	--	--	0
Maranatha Messengers	GMSG-428B	09/09/05	12:48 PM	28.89	77	0	--	--	--	0
Maranatha Messengers	GMSG-428B	10/10/05	4:45 PM	28.96	60	0	--	--	--	0
Maranatha Messengers	GMSG-428B	11/11/05	1:40 PM	28.65	53	0	--	--	--	0
Maranatha Messengers	GMSG-428B	11/14/05	9:31 AM	29.07	31	0	--	--	--	0
Maranatha Messengers	GMSG-428B	12/13/05	3:10 PM	28.88	24	0	--	--	--	0
Maranatha Messengers	GMSG-428B	02/22/06	12:24 PM	28.52	28	0	--	--	--	0
Maranatha Messengers	GMSG-428B	04/03/06	3:13 PM	28.67	42	0	--	--	--	0
Maranatha Messengers	GMSG-428B	07/10/06	2:30 PM	28.76	74	0	--	--	--	3
Maranatha Messengers	GMSG-428B	10/03/06	2:36 PM	28.84	70	0	--	--	--	0
Maranatha Messengers	GMSG-428B	01/17/07	12:00 PM	29.05	23	0	--	--	--	0
Maranatha Messengers	GMSG-428B	04/02/07	10:10 AM	28.59	40	0	--	--	--	0
Maranatha Messengers	GMSG-428B	07/18/07	11:18 AM	29.89	79	0	--	--	--	0
Maranatha Messengers	GMSG-428B	10/22/07	4:08 PM	30.01	51	0	--	--	--	0
Maranatha Messengers	GMSG-428B	01/04/08	3:52 PM	29.94	27	0	--	--	--	0
Maranatha Messengers	GMSG-428B	04/24/08	2:08 PM	30.00	62	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Maranatha Messengers	GMSG-428B	07/14/08	9:09 AM	29.87	66	0	--	--	--	0
Maranatha Messengers	GMSG-428B	10/14/08	10:07 AM	30.17	49	0	--	--	--	0
Maranatha Messengers	GMSG-428B	01/27/09	3:00 PM	28.95	9	0	--	--	--	0
Maranatha Messengers	GMSG-428B	04/01/09	11:25 AM	28.18	34	T	--	--	--	0
Maranatha Messengers	GMSG-428B	07/29/09	11:26 AM	28.54	71	0	--	--	--	0
Maranatha Messengers	GMSG-428B	10/19/09	3:21 PM	28.50	66	0	--	--	--	0
Maranatha Messengers	GMSG-428B	04/27/10	11:11 AM	28.66	50	0	--	--	--	0
Maranatha Messengers	GMSG-428B	10/27/10	10:36 AM	27.88	41	T	--	--	--	0
Maranatha Messengers	GMSG-428B	07/09/11	4:22 PM	28.59	80	0	--	--	--	0
Maranatha Messengers	GMSG-428B	10/31/12	1:47 PM	28.53	40	0	--	--	--	0
Maranatha Messengers	GMSG-428B	11/09/13	12:30 PM	28.39	40	0	--	--	--	0
Maranatha Messengers	GMSG-428B	08/13/14	10:26 AM	28.76	68	0	--	--	--	0
Maranatha Messengers	GMSG-428B	08/07/15	10:29 AM	28.65	60	T	--	--	--	0
Maranatha Messengers	GMSG-506A	08/24/05	1:21 PM	29.01	72	0	--	--	--	0
Maranatha Messengers	GMSG-506A	08/31/05	3:00 PM	28.63	76	0	--	--	--	0
Maranatha Messengers	GMSG-506A	09/09/05	12:42 PM	28.89	77	0	--	--	--	0
Maranatha Messengers	GMSG-506A	10/12/05	3:05 PM	28.87	56	0.02	--	--	--	0
Maranatha Messengers	GMSG-506A	11/11/05	1:30 PM	28.65	53	0	--	--	--	0
Maranatha Messengers	GMSG-506A	12/07/05	1:55 PM	29.27	23	0	--	--	--	0
Maranatha Messengers	GMSG-506A	02/22/06	12:11 PM	28.52	28	0	--	--	--	0
Maranatha Messengers	GMSG-506A	04/03/06	3:08 PM	28.67	42	0	--	--	--	0
Maranatha Messengers	GMSG-506A	07/10/06	2:14 PM	28.76	73	0	--	--	--	0
Maranatha Messengers	GMSG-506A	10/03/06	2:30 PM	28.84	70	0	--	--	--	0
Maranatha Messengers	GMSG-506A	01/17/07	12:03 PM	29.05	23	0	--	--	--	0
Maranatha Messengers	GMSG-506A	04/02/07	10:13 AM	28.59	40	0	--	--	--	0
Maranatha Messengers	GMSG-506A	07/18/07	11:13 AM	29.89	79	0	--	--	--	0
Maranatha Messengers	GMSG-506A	10/22/07	4:03 PM	30.01	51	0	--	--	--	0
Maranatha Messengers	GMSG-506A	01/04/08	3:44 PM	29.94	27	0	--	--	--	0
Maranatha Messengers	GMSG-506A	04/24/08	2:02 PM	30.00	62	T	--	--	--	0
Maranatha Messengers	GMSG-506A	07/14/08	9:05 AM	29.87	66	0	--	--	--	0
Maranatha Messengers	GMSG-506A	10/14/08	10:09 AM	30.17	49	0	--	--	--	0
Maranatha Messengers	GMSG-506A	01/27/09	2:49 PM	28.95	9	0	--	--	--	0
Maranatha Messengers	GMSG-506A	04/01/09	11:21 AM	28.18	34	T	--	--	--	0
Maranatha Messengers	GMSG-506A	07/29/09	11:21 AM	28.54	71	0	--	--	--	0
Maranatha Messengers	GMSG-506A	10/19/09	3:17 PM	28.50	66	0	--	--	--	0
Maranatha Messengers	GMSG-506A	04/27/10	11:07 AM	28.66	50	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Maranatha Messengers	GMSG-506A	10/27/10	10:40 AM	27.88	41	T	--	--	--	0
Maranatha Messengers	GMSG-506A	07/09/11	4:17 PM	28.59	80	0	--	--	--	0
Maranatha Messengers	GMSG-506A	10/31/12	1:44 PM	28.53	40	0	--	--	--	0
Maranatha Messengers	GMSG-506A	11/09/13	12:30 PM	28.39	40	0	--	--	--	0
Maranatha Messengers	GMSG-506A	08/13/14	10:34 AM	28.76	71	0	--	--	--	0
Maranatha Messengers	GMSG-506A	08/07/15	10:22 AM	28.65	60	T	--	--	--	0
Maranatha Messengers	GMSG-506B	08/24/05	1:23 PM	29.01	72	0	--	--	--	0
Maranatha Messengers	GMSG-506B	08/31/05	3:05 PM	28.63	76	0	--	--	--	0
Maranatha Messengers	GMSG-506B	09/09/05	12:44 PM	28.89	77	0	--	--	--	0
Maranatha Messengers	GMSG-506B	10/12/05	3:06 PM	28.87	56	0.02	--	--	--	0
Maranatha Messengers	GMSG-506B	11/11/05	1:33 PM	28.65	53	0	--	--	--	0
Maranatha Messengers	GMSG-506B	12/07/05	1:57 PM	29.27	23	0	--	--	--	0
Maranatha Messengers	GMSG-506B	02/22/06	12:13 PM	28.52	28	0	--	--	--	0
Maranatha Messengers	GMSG-506B	04/03/06	3:09 PM	28.67	42	0	--	--	--	0
Maranatha Messengers	GMSG-506B	07/10/06	2:16 PM	28.76	73	0	--	--	--	0
Maranatha Messengers	GMSG-506B	10/03/06	2:31 PM	28.84	70	0	--	--	--	0
Maranatha Messengers	GMSG-506B	01/17/07	12:05 PM	29.05	23	0	--	--	--	0
Maranatha Messengers	GMSG-506B	04/02/07	10:14 AM	28.59	40	0	--	--	--	0
Maranatha Messengers	GMSG-506B	07/18/07	11:14 AM	29.89	79	0	--	--	--	0
Maranatha Messengers	GMSG-506B	10/22/07	4:03 PM	30.01	51	0	--	--	--	0
Maranatha Messengers	GMSG-506B	01/04/08	3:45 PM	29.94	27	0	--	--	--	0
Maranatha Messengers	GMSG-506B	04/24/08	2:03 PM	30.00	62	T	--	--	--	0
Maranatha Messengers	GMSG-506B	07/14/08	9:06 AM	29.87	66	0	--	--	--	0
Maranatha Messengers	GMSG-506B	10/14/08	10:10 AM	30.17	49	0	--	--	--	0
Maranatha Messengers	GMSG-506B	01/27/09	2:50 PM	28.95	9	0	--	--	--	0
Maranatha Messengers	GMSG-506B	04/01/09	11:22 AM	28.18	34	T	--	--	--	0
Maranatha Messengers	GMSG-506B	07/29/09	11:22 AM	28.54	71	0	--	--	--	0
Maranatha Messengers	GMSG-506B	10/19/09	3:18 PM	28.50	66	0	--	--	--	0
Maranatha Messengers	GMSG-506B	04/27/10	11:08 AM	28.66	50	0	--	--	--	0
Maranatha Messengers	GMSG-506B	10/27/10	10:41 AM	27.88	41	T	--	--	--	0
Maranatha Messengers	GMSG-506B	07/09/11	4:18 PM	28.59	80	0	--	--	--	0
Maranatha Messengers	GMSG-506B	10/31/12	1:45 PM	28.53	40	0	--	--	--	0
Maranatha Messengers	GMSG-506B	11/09/13	12:30 PM	28.39	40	0	--	--	--	0
Maranatha Messengers	GMSG-506B	08/13/14	10:36 AM	28.76	71	0	--	--	--	0
Maranatha Messengers	GMSG-506B	08/07/15	10:24 AM	28.65	60	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
MBM Office	GMSG-437R	04/28/09	2:55 PM	29.20	57	0	--	--	--	0
MBM Office	GMSG-437R	05/08/09	2:24 PM	28.41	67	0	--	--	--	0
MBM Office	GMSG-437R	05/18/09	2:54 PM	28.75	68	0	--	--	--	0
MBM Office	GMSG-437R	06/11/09	2:15 PM	28.63	69	0	--	--	--	0
MBM Office	GMSG-437R	07/27/09	3:51 PM	28.48	78	0	--	--	--	0
MBM Office	GMSG-437R	09/08/09	1:16 PM	28.09	51	T	--	--	--	0
MBM Office	GMSG-437R	10/22/09	1:26 PM	28.86	41	0	--	--	--	0
MBM Office	GMSG-437R	01/19/10	1:22 PM	28.70	23	0	--	--	--	0
MBM Office	GMSG-437R	04/22/10	10:43 AM	28.63	48	0	--	--	--	0
MBM Office	GMSG-437R	07/22/10	12:01 PM	28.67	69	0	--	--	--	0
MBM Office	GMSG-437R	11/05/10	2:56 PM	28.75	35	0	--	--	--	0
MBM Office	GMSG-437R	01/25/11	10:47 AM	28.71	20	T	--	--	--	0
MBM Office	GMSG-437R	05/03/11	1:40 PM	28.92	49	0	--	--	--	0
MBM Office	GMSG-437R	07/08/11	6:25 PM	28.65	76	0	--	--	--	0
MBM Office	GMSG-437R	11/09/11	3:43 PM	28.38	33	0.01	--	--	--	0
MBM Office	GMSG-437R	04/30/12	12:41 PM	28.64	47	0	--	--	--	0
MBM Office	GMSG-437R	10/24/12	2:50 PM	28.57	60	0	--	--	--	0
MBM Office	GMSG-437R	11/08/13	11:09 AM	28.89	39	0	--	--	--	0
MBM Office	GMSG-437R	08/23/14	1:44 PM	28.80	67	0.13	--	--	--	0
MBM Office	GMSG-437R	08/24/15	3:05 PM	28.53	56	T	--	--	--	0
MBM Office	GMSG-438	06/06/05	8:06 AM	28.47	65	0	--	--	--	0
MBM Office	GMSG-438	06/13/05	10:11 AM	28.56	77	0	--	--	--	0
MBM Office	GMSG-438	06/20/05	9:58 AM	28.88	83	0	--	--	--	0
MBM Office	GMSG-438	07/10/05	10:09 AM	28.93	87	0	--	--	--	0
MBM Office	GMSG-438	08/01/05	10:03 AM	28.87	81	0	--	--	--	0
MBM Office	GMSG-438	09/12/05	8:43 AM	28.78	79	0	--	--	--	0
MBM Office	GMSG-438	10/13/05	12:40 PM	28.80	59	0	--	--	--	0
MBM Office	GMSG-438	03/01/06	3:50 PM	28.67	31	0	--	--	--	0
MBM Office	GMSG-438	04/11/06	8:38 AM	28.68	59	0	--	--	--	0
MBM Office	GMSG-438	07/11/06	1:23 PM	28.79	73	0	--	--	--	0
MBM Office	GMSG-438	10/16/06	11:00 AM	28.66	45	0.02	--	--	--	0
MBM Office	GMSG-438	02/05/07	8:51 AM	29.07	-9	0	--	--	--	0
MBM Office	GMSG-438	04/04/07	10:11 AM	28.61	20	T	--	--	--	0
MBM Office	GMSG-438	07/19/07	11:09 AM	29.99	67	0	--	--	--	0
MBM Office	GMSG-438	11/01/07	3:13 PM	30.14	48	0	--	--	--	0
MBM Office	GMSG-438	01/11/08	3:21 PM	29.59	34	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
MBM Office	GMSG-438	04/15/08	1:19 PM	29.90	54	0	--	--	--	0
MBM Office	GMSG-438	07/14/08	2:06 PM	29.89	76	0	--	--	--	0
MBM Office	GMSG-438	10/16/08	1:57 PM	30.25	54	0	--	--	--	0
MBM Office	GMSG-438	04/20/09	12:14 PM	28.31	34	0.02	--	--	--	0
MBM Office	GMSG-438	05/18/09	3:00 PM	28.75	68	0	--	--	--	0
MBM Office	GMSG-438	07/27/09	3:56 PM	28.48	78	0	--	--	--	0
MBM Office	GMSG-438	10/22/09	1:30 PM	28.85	41	0	--	--	--	0
MBM Office	GMSG-438	04/22/10	10:46 AM	28.63	48	0	--	--	--	0
MBM Office	GMSG-438	11/05/10	2:58 PM	28.75	35	0	--	--	--	0
MBM Office	GMSG-438	07/08/11	6:27 PM	28.65	76	0	--	--	--	0
MBM Office	GMSG-438	10/24/12	2:54 PM	28.57	60	0	--	--	--	0
MBM Office	GMSG-438	11/08/13	11:05 AM	28.89	39	0	--	--	--	0
MBM Office	GMSG-438	08/23/14	1:49 PM	28.80	67	0.13	--	--	--	0
MBM Office	GMSG-438	08/03/15	10:20 AM	28.50	72	0	--	--	--	0
MBM Office	GMSG-439	06/06/05	7:52 AM	28.47	65	0	--	--	--	0
MBM Office	GMSG-439	06/13/05	10:00 AM	28.56	77	0	--	--	--	0
MBM Office	GMSG-439	06/21/05	10:07 AM	28.89	80	0	--	--	--	0
MBM Office	GMSG-439	07/10/05	10:11 AM	28.93	87	0	--	--	--	0
MBM Office	GMSG-439	08/01/05	10:06 AM	28.87	81	0	--	--	--	0
MBM Office	GMSG-439	09/12/05	8:46 AM	28.78	79	0	--	--	--	0
MBM Office	GMSG-439	10/13/05	12:36 PM	28.80	59	0	--	--	--	0
MBM Office	GMSG-439	03/01/06	3:59 PM	28.67	31	0	--	--	--	0
MBM Office	GMSG-439	04/11/06	8:40 AM	28.68	59	0	--	--	--	0
MBM Office	GMSG-439	07/11/06	1:26 PM	28.79	73	0	--	--	--	0
MBM Office	GMSG-439	10/10/06	3:08 PM	28.74	52	0	--	--	--	0
MBM Office	GMSG-439	02/05/07	8:55 AM	29.07	-9	0	--	--	--	0
MBM Office	GMSG-439	04/04/07	10:01 AM	28.61	20	T	--	--	--	0
MBM Office	GMSG-439	07/19/07	11:06 AM	29.99	67	0	--	--	--	0
MBM Office	GMSG-439	11/01/07	3:15 PM	30.14	48	0	--	--	--	0
MBM Office	GMSG-439	01/11/08	3:19 PM	29.59	34	0	--	--	--	0
MBM Office	GMSG-439	04/15/08	1:15 PM	29.90	54	0	--	--	--	0
MBM Office	GMSG-439	07/14/08	2:04 PM	29.89	76	0	--	--	--	0
MBM Office	GMSG-439	10/16/08	1:55 PM	30.25	54	0	--	--	--	0
MBM Office	GMSG-439	01/22/09	9:25 AM	28.56	20	0	--	--	--	0
MBM Office	GMSG-439	04/20/09	12:11 PM	28.31	34	0.02	--	--	--	0
MBM Office	GMSG-439	05/18/09	3:02 PM	28.75	68	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
MBM Office	GMSG-439	07/27/09	3:58 PM	28.48	78	0	--	--	--	0
MBM Office	GMSG-439	10/22/09	1:24 PM	28.86	41	0	--	--	--	0
MBM Office	GMSG-439	04/22/10	10:47 AM	28.63	48	0	--	--	--	0
MBM Office	GMSG-439	11/05/10	3:00 PM	28.75	35	0	--	--	--	0
MBM Office	GMSG-439	07/08/11	6:30 PM	28.66	73	0	--	--	--	0
MBM Office	GMSG-439	10/24/12	2:52 PM	28.57	60	0	--	--	--	0
MBM Office	GMSG-439	11/08/13	11:13 AM	28.89	39	0	--	--	--	0
MBM Office	GMSG-439	08/23/14	1:51 PM	28.80	67	0.13	--	--	--	0
MBM Office	GMSG-439	08/03/15	10:19 AM	28.50	72	0	--	--	--	0
MBM Office	GMSG-440R	04/28/09	2:57 PM	29.20	57	0	--	--	--	0
MBM Office	GMSG-440R	05/08/09	2:26 PM	28.41	67	0	--	--	--	0
MBM Office	GMSG-440R	05/18/09	2:56 PM	28.75	68	0	--	--	--	0
MBM Office	GMSG-440R	06/11/09	2:18 PM	28.63	69	0	--	--	--	0
MBM Office	GMSG-440R	07/27/09	3:53 PM	28.48	78	0	--	--	--	0
MBM Office	GMSG-440R	09/08/09	1:18 PM	28.09	51	T	--	--	--	0
MBM Office	GMSG-440R	10/22/09	1:28 PM	28.86	41	0	--	--	--	0
MBM Office	GMSG-440R	01/19/10	1:19 PM	28.70	23	0	--	--	--	0
MBM Office	GMSG-440R	04/22/10	10:44 AM	28.63	48	0	--	--	--	0
MBM Office	GMSG-440R	07/22/10	11:59 AM	28.67	69	0	--	--	--	0
MBM Office	GMSG-440R	11/05/10	3:02 PM	28.75	35	0	--	--	--	0
MBM Office	GMSG-440R	01/25/11	10:51 AM	28.71	20	T	--	--	--	0
MBM Office	GMSG-440R	05/03/11	1:36 PM	28.92	49	0	--	--	--	0
MBM Office	GMSG-440R	07/08/11	6:23 PM	28.65	76	0	--	--	--	0
MBM Office	GMSG-440R	11/09/11	3:45 PM	28.38	33	0.01	--	--	--	0
MBM Office	GMSG-440R	04/30/12	12:43 PM	28.64	47	0	--	--	--	0
MBM Office	GMSG-440R	10/24/12	2:57 PM	28.57	60	0	--	--	--	0
MBM Office	GMSG-440R	11/08/13	11:07 AM	28.89	39	0	--	--	--	0
MBM Office	GMSG-440R	08/23/14	1:46 PM	28.80	67	0.13	--	--	--	0
MBM Office	GMSG-440R	08/03/15	10:23 AM	28.50	72	0	--	--	--	0
MBM Storage	GMSG-85	07/13/02	11:29 AM	28.80	81	0	0	1.4	19.8	0
MBM Storage	GMSG-85	07/22/02	1:52 PM	28.68	82	0	0	1.6	19.1	0
MBM Storage	GMSG-85	08/12/02	11:15 AM	28.65	77	0	0	1.5	19.5	0
MBM Storage	GMSG-85	09/30/02	12:40 PM	28.56	75	0	0	1.3	19.2	0
MBM Storage	GMSG-85	10/29/02	11:33 AM	28.96	43	0	0	1.1	18.7	0
MBM Storage	GMSG-85	11/19/02	1:54 PM	28.54	47	0	0	1.2	18.6	0
MBM Storage	GMSG-85	01/30/03	10:03 AM	28.77	23	0	0	1.4	18.7	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
MBM Storage	GMSG-85	04/24/03	11:42 AM	28.77	63	0	0	0.3	19	0
MBM Storage	GMSG-85	08/05/03	11:46 AM	28.71	80	0	0	1.1	17.9	0
MBM Storage	GMSG-85	11/03/03	10:25 AM	29.06	35	0	0	0.9	18.4	0
MBM Storage	GMSG-85	01/20/04	11:46 AM	29.05	13	0	0	1.3	17.4	0
MBM Storage	GMSG-85	04/18/04	12:05 PM	28.54	49	0	0	1	16.8	0
MBM Storage	GMSG-85	04/19/04	11:51 AM	28.76	44	0	0	1	16.7	--
MBM Storage	GMSG-85	07/14/04	3:17 PM	28.67	78	0	0	0.9	18.4	0
MBM Storage	GMSG-85	10/30/04	10:37 AM	27.95	49	T	0	0.7	18.6	0
MBM Storage	GMSG-85	02/01/05	2:11 PM	29.10	34	0	--	--	--	0
MBM Storage	GMSG-85	04/05/05	11:07 AM	28.58	65	0	--	--	--	0
MBM Storage	GMSG-85	07/01/05	10:12 AM	28.64	56	0	--	--	--	0
MBM Storage	GMSG-85	10/13/05	12:59 PM	28.80	59	0	--	--	--	0
MBM Storage	GMSG-85	02/24/06	3:38 PM	28.76	18	0.01	--	--	--	0
MBM Storage	GMSG-85	04/11/06	8:51 AM	28.68	59	0	--	--	--	0
MBM Storage	GMSG-85	07/11/06	1:43 PM	28.79	75	0	--	--	--	0
MBM Storage	GMSG-85	10/10/06	1:23 PM	28.80	52	0	--	--	--	0
MBM Storage	GMSG-85	02/05/07	9:25 AM	29.07	-9	0	--	--	--	0
MBM Storage	GMSG-85	04/04/07	10:21 AM	28.61	20	T	--	--	--	0
MBM Storage	GMSG-85	07/19/07	11:01 AM	29.99	67	0	--	--	--	0
MBM Storage	GMSG-85	11/01/07	3:23 PM	30.14	48	0	--	--	--	0
MBM Storage	GMSG-85	01/11/08	3:10 PM	29.59	34	0	--	--	--	0
MBM Storage	GMSG-85	04/15/08	1:33 PM	29.87	55	0	--	--	--	0
MBM Storage	GMSG-85	07/14/08	2:12 PM	29.89	76	0	--	--	--	0
MBM Storage	GMSG-85	10/16/08	1:50 PM	30.25	54	0	--	--	--	0
MBM Storage	GMSG-85	01/22/09	9:42 AM	28.56	21	0	--	--	--	0
MBM Storage	GMSG-85	04/20/09	12:20 PM	28.31	34	0.02	--	--	--	0
MBM Storage	GMSG-85	07/27/09	4:08 PM	28.48	78	0	--	--	--	0
MBM Storage	GMSG-85	10/22/09	1:39 PM	28.85	41	0	--	--	--	0
MBM Storage	GMSG-85	04/22/10	10:51 AM	28.63	48	0	--	--	--	0
MBM Storage	GMSG-85	11/05/10	3:05 PM	28.75	35	0	--	--	--	0
MBM Storage	GMSG-85	07/08/11	6:46 PM	28.66	73	0	--	--	--	0
MBM Storage	GMSG-85	10/24/12	3:01 PM	28.57	60	0	--	--	--	0
MBM Storage	GMSG-85	11/08/13	10:53 AM	28.89	39	0	--	--	--	0
MBM Storage	GMSG-85	08/15/14	10:37 AM	28.72	75	0	--	--	--	0
MBM Storage	GMSG-85	08/03/15	10:28 AM	28.50	72	0	--	--	--	0
MBM Storage	GMSG-86	07/13/02	11:36 AM	28.79	84	0	0	0.6	20.3	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
MBM Storage	GMSG-86	07/22/02	1:58 PM	28.68	82	0	0	0.4	20.1	0
MBM Storage	GMSG-86	08/12/02	2:15 PM	28.63	82	0	0	1.3	19.6	0
MBM Storage	GMSG-86	09/30/02	2:54 PM	28.53	74	0	0	1.4	18.8	0
MBM Storage	GMSG-86	10/29/02	11:43 AM	28.96	43	0	0	1.4	18.2	0
MBM Storage	GMSG-86	11/19/02	1:47 PM	28.54	47	0	0	0.5	19.3	0
MBM Storage	GMSG-86	01/30/03	10:18 AM	28.77	23	0	0	1.2	18.7	0
MBM Storage	GMSG-86	04/24/03	11:50 AM	28.77	63	0	0	0.8	18.7	0
MBM Storage	GMSG-86	08/05/03	11:37 AM	28.71	80	0	0	1.2	17.8	0
MBM Storage	GMSG-86	11/03/03	10:20 AM	29.06	35	0	0	1	18.2	0
MBM Storage	GMSG-86	01/20/04	12:21 PM	29.05	13	0	0	1.6	17.2	0
MBM Storage	GMSG-86	04/18/04	10:44 AM	28.60	49	0.01	0	1.2	16.1	0
MBM Storage	GMSG-86	07/14/04	3:23 PM	28.67	78	0	0	0.4	19.1	0
MBM Storage	GMSG-86	10/31/04	11:02 AM	--	--	--	0	0.4	19.6	0
MBM Storage	GMSG-86	02/07/05	1:55 PM	28.87	28	0	--	--	--	0
MBM Storage	GMSG-86	04/05/05	11:01 AM	28.58	65	0	--	--	--	0
MBM Storage	GMSG-86	07/01/05	10:20 AM	28.64	56	0	--	--	--	0
MBM Storage	GMSG-86	10/13/05	1:01 PM	28.80	59	0	--	--	--	0
MBM Storage	GMSG-86	02/24/06	3:04 PM	28.83	18	0.01	--	--	--	0
MBM Storage	GMSG-86	04/11/06	8:46 AM	28.68	59	0	--	--	--	0
MBM Storage	GMSG-86	07/11/06	1:34 PM	28.79	75	0	--	--	--	0
MBM Storage	GMSG-86	10/10/06	3:16 PM	28.74	52	0	--	--	--	0
MBM Storage	GMSG-86	02/05/07	9:10 AM	29.07	-9	0	--	--	--	0
MBM Storage	GMSG-86	04/04/07	10:26 AM	28.61	20	T	--	--	--	0
MBM Storage	GMSG-86	07/19/07	10:56 AM	29.99	67	0	--	--	--	0
MBM Storage	GMSG-86	11/01/07	3:27 PM	30.14	48	0	--	--	--	0
MBM Storage	GMSG-86	01/11/08	3:17 PM	29.59	34	0	--	--	--	0
MBM Storage	GMSG-86	04/15/08	1:23 PM	29.90	54	0	--	--	--	0
MBM Storage	GMSG-86	07/14/08	2:16 PM	29.89	76	0	--	--	--	0
MBM Storage	GMSG-86	10/16/08	1:46 PM	30.25	54	0	--	--	--	0
MBM Storage	GMSG-86	01/22/09	9:33 AM	28.56	21	0	--	--	--	0
MBM Storage	GMSG-86	04/20/09	12:23 PM	28.31	34	0.02	--	--	--	0
MBM Storage	GMSG-86	07/29/09	4:04 PM	28.56	73	0	--	--	--	0
MBM Storage	GMSG-86	10/22/09	1:35 PM	28.85	41	0	--	--	--	0
MBM Storage	GMSG-86	04/22/10	10:55 AM	28.63	48	0	--	--	--	0
MBM Storage	GMSG-86	11/05/10	3:10 PM	28.75	35	0	--	--	--	0
MBM Storage	GMSG-86	07/08/11	6:40 PM	28.66	73	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
MBM Storage	GMSG-86	10/24/12	3:05 PM	28.57	60	0	--	--	--	0
MBM Storage	GMSG-86	11/08/13	11:03 AM	28.89	39	0	--	--	--	0
MBM Storage	GMSG-86	08/15/14	10:28 AM	28.73	71	0	--	--	--	0
MBM Storage	GMSG-86	08/03/15	10:35 AM	28.50	73	0	--	--	--	0
MBM Storage	GMSG-534	10/31/05	4:23 PM	28.70	51	0	--	--	--	0
MBM Storage	GMSG-534	11/08/05	9:15 AM	28.90	36	0	--	--	--	0
MBM Storage	GMSG-534	11/14/05	2:09 PM	29.02	39	0	--	--	--	0
MBM Storage	GMSG-534	11/23/05	10:05 AM	28.02	26	0.01	--	--	--	0
MBM Storage	GMSG-534	12/07/05	2:39 PM	29.28	23	0	--	--	--	0
MBM Storage	GMSG-534	02/24/06	2:52 PM	28.83	18	0.01	--	--	--	0
MBM Storage	GMSG-534	04/11/06	8:42 AM	28.68	59	0	--	--	--	0
MBM Storage	GMSG-534	07/11/06	1:30 PM	28.79	75	0	--	--	--	0
MBM Storage	GMSG-534	10/10/06	3:27 PM	28.74	52	0	--	--	--	0
MBM Storage	GMSG-534	02/05/07	9:04 AM	29.07	-9	0	--	--	--	0
MBM Storage	GMSG-534	04/04/07	10:18 AM	28.61	20	T	--	--	--	0
MBM Storage	GMSG-534	07/19/07	11:04 AM	29.99	67	0	--	--	--	0
MBM Storage	GMSG-534	11/01/07	3:21 PM	30.14	48	0	--	--	--	0
MBM Storage	GMSG-534	01/11/08	3:03 PM	29.59	34	0	--	--	--	0
MBM Storage	GMSG-534	04/15/08	1:29 PM	29.90	54	0	--	--	--	0
MBM Storage	GMSG-534	07/14/08	2:09 PM	29.89	76	0	--	--	--	0
MBM Storage	GMSG-534	10/16/08	1:52 PM	30.25	54	0	--	--	--	0
MBM Storage	GMSG-534	01/22/09	9:29 AM	28.56	20	0	--	--	--	0
MBM Storage	GMSG-534	04/20/09	12:18 PM	28.31	34	0.02	--	--	--	0
MBM Storage	GMSG-534	07/27/09	4:00 PM	28.48	78	0	--	--	--	0
MBM Storage	GMSG-534	10/22/09	1:33 PM	28.85	41	0	--	--	--	0
MBM Storage	GMSG-534	04/22/10	10:49 AM	28.63	48	0	--	--	--	0
MBM Storage	GMSG-534	11/05/10	3:04 PM	28.75	35	0	--	--	--	0
MBM Storage	GMSG-534	07/08/11	6:35 PM	28.66	73	0	--	--	--	0
MBM Storage	GMSG-534	10/24/12	2:59 PM	28.57	60	0	--	--	--	0
MBM Storage	GMSG-534	11/08/13	10:49 AM	28.89	39	0	--	--	--	0
MBM Storage	GMSG-534	08/15/14	10:25 AM	28.73	71	0	--	--	--	0
MBM Storage	GMSG-534	08/03/15	10:25 AM	28.50	72	0	--	--	--	0
MBM Storage	GMSG-535	10/31/05	4:15 PM	28.70	51	0	--	--	--	0
MBM Storage	GMSG-535	11/08/05	9:20 AM	28.90	36	0	--	--	--	0
MBM Storage	GMSG-535	11/14/05	2:11 PM	29.02	39	0	--	--	--	0
MBM Storage	GMSG-535	11/23/05	10:10 AM	28.02	26	0.01	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
MBM Storage	GMSG-535	12/07/05	2:44 PM	29.28	23	0	--	--	--	0
MBM Storage	GMSG-535	02/24/06	3:21 PM	28.83	18	0.01	--	--	--	0
MBM Storage	GMSG-535	04/11/06	8:49 AM	28.68	59	0	--	--	--	0
MBM Storage	GMSG-535	07/11/06	1:38 PM	28.79	75	0	--	--	--	0
MBM Storage	GMSG-535	10/10/06	3:20 PM	28.74	52	0	--	--	--	0
MBM Storage	GMSG-535	02/05/07	9:18 AM	29.07	-9	0	--	--	--	0
MBM Storage	GMSG-535	04/04/07	10:30 AM	28.62	19	T	--	--	--	0
MBM Storage	GMSG-535	07/19/07	10:59 AM	29.99	67	0	--	--	--	0
MBM Storage	GMSG-535	11/01/07	3:25 PM	30.14	48	0	--	--	--	0
MBM Storage	GMSG-535	01/11/08	3:14 PM	29.59	34	0	--	--	--	0
MBM Storage	GMSG-535	04/15/08	1:26 PM	29.90	54	0	--	--	--	0
MBM Storage	GMSG-535	07/14/08	2:13 PM	29.89	76	0	--	--	--	0
MBM Storage	GMSG-535	10/16/08	1:48 PM	30.25	54	0	--	--	--	0
MBM Storage	GMSG-535	01/22/09	9:36 AM	28.56	21	0	--	--	--	0
MBM Storage	GMSG-535	04/20/09	12:21 PM	28.31	34	0.02	--	--	--	0
MBM Storage	GMSG-535	07/27/09	4:06 PM	28.48	78	0	--	--	--	0
MBM Storage	GMSG-535	10/22/09	1:38 PM	28.85	41	0	--	--	--	0
MBM Storage	GMSG-535	04/22/10	10:53 AM	28.63	48	0	--	--	--	0
MBM Storage	GMSG-535	11/05/10	3:07 PM	28.75	35	0	--	--	--	0
MBM Storage	GMSG-535	07/08/11	6:43 PM	28.66	73	0	--	--	--	0
MBM Storage	GMSG-535	10/24/12	3:03 PM	28.56	61	0	--	--	--	0
MBM Storage	GMSG-535	11/08/13	11:00 AM	28.89	39	0	--	--	--	0
MBM Storage	GMSG-535	08/15/14	10:33 AM	28.72	75	0	--	--	--	0
MBM Storage	GMSG-535	08/03/15	10:32 AM	28.50	73	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	06/10/02	9:11 AM	28.70	73	0	0	2.8	16.2	--
Metropolitan Hardwood Floors	GMSG-69	06/20/02	1:31 PM	28.97	81	0	0	2.5	17.4	--
Metropolitan Hardwood Floors	GMSG-69	06/26/02	3:00 PM	28.55	77	0	0	2.8	16.3	--
Metropolitan Hardwood Floors	GMSG-69	07/13/02	9:45 AM	28.79	79	0	0	3	16.3	0
Metropolitan Hardwood Floors	GMSG-69	09/30/02	10:57 AM	28.59	70	0	0	3.4	15.4	0
Metropolitan Hardwood Floors	GMSG-69	11/21/02	11:19 AM	28.67	34	0	0	2.8	15.9	0
Metropolitan Hardwood Floors	GMSG-69	01/29/03	11:02 AM	29.12	10	T	0	0.8	18.8	0
Metropolitan Hardwood Floors	GMSG-69	04/21/03	12:40 PM	28.54	41	T	0	1.2	14.3	0
Metropolitan Hardwood Floors	GMSG-69	08/05/03	10:34 AM	28.72	79	0	0	3.2	14.9	0
Metropolitan Hardwood Floors	GMSG-69	11/02/03	12:00 PM	28.92	40	0	0	2.8	15.7	0
Metropolitan Hardwood Floors	GMSG-69	01/21/04	8:36 AM	28.46	13	T	0	2.1	16.4	0
Metropolitan Hardwood Floors	GMSG-69	04/18/04	9:00 AM	28.70	45	0	0	1.4	14.6	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-69	07/15/04	8:08 AM	28.70	70	0	0	1.7	17.3	0
Metropolitan Hardwood Floors	GMSG-69	10/31/04	12:03 PM	--	--	--	0	0.8	17.9	0
Metropolitan Hardwood Floors	GMSG-69	02/08/05	3:25 PM	28.96	21	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	04/05/05	12:29 PM	28.57	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	07/06/05	8:55 AM	28.96	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	10/21/05	9:05 AM	28.91	35	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	02/27/06	10:41 AM	28.86	18	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	04/11/06	11:08 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	07/12/06	11:23 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	10/10/06	11:57 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	02/06/07	9:52 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	04/03/07	1:24 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	07/19/07	9:28 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	10/23/07	1:23 PM	29.76	52	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	01/14/08	10:56 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	04/15/08	10:19 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	07/15/08	1:58 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	10/17/08	11:11 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	01/07/09	10:52 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	04/03/09	10:28 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	07/27/09	12:02 PM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	10/22/09	10:35 AM	28.88	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	04/20/10	2:26 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	11/08/10	11:38 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	07/09/11	8:48 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	10/26/12	11:27 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	11/08/13	3:41 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	08/15/14	8:16 AM	28.76	60	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69	08/03/15	4:05 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	08/08/05	2:13 PM	28.74	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	08/17/05	10:13 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	08/24/05	11:45 AM	29.02	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	09/12/05	3:36 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	10/13/05	9:45 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	11/14/05	9:44 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	02/27/06	10:43 AM	28.86	18	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-69B	04/11/06	11:09 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	07/12/06	11:19 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	10/10/06	11:53 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	02/06/07	9:59 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	04/03/07	1:25 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	07/19/07	9:30 AM	29.98	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	10/23/07	1:25 PM	29.76	52	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	01/14/08	10:59 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	04/15/08	10:20 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	07/15/08	1:59 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	10/17/08	11:12 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	01/07/09	10:54 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	04/03/09	10:29 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	07/27/09	12:00 PM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	10/22/09	10:36 AM	28.88	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	04/20/10	2:27 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	11/08/10	11:39 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	07/09/11	8:49 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	10/26/12	11:23 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	11/08/13	3:40 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	08/15/14	8:10 AM	28.76	60	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69B	08/03/15	4:06 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	08/08/05	2:15 PM	28.74	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	08/17/05	10:15 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	08/24/05	11:47 AM	29.02	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	09/12/05	3:38 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	10/13/05	9:46 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	11/14/05	9:45 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	02/27/06	10:44 AM	28.86	18	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	04/11/06	11:10 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	07/12/06	11:21 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	10/10/06	11:55 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	02/06/07	10:00 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	04/03/07	1:26 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	07/19/07	9:31 AM	29.98	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	10/23/07	1:25 PM	29.76	52	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-69C	01/14/08	11:00 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	04/15/08	10:21 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	07/15/08	2:00 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	10/17/08	11:13 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	01/07/09	10:55 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	04/03/09	10:30 AM	28.40	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	07/27/09	12:01 PM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	10/22/09	10:37 AM	28.88	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	04/20/10	2:28 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	11/08/10	11:40 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	07/09/11	8:50 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	10/26/12	11:25 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	11/08/13	3:40 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	08/15/14	8:12 AM	28.76	60	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-69C	08/03/15	4:08 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	06/10/02	9:03 AM	28.70	73	0	0	0.5	20	--
Metropolitan Hardwood Floors	GMSG-70	06/20/02	1:25 PM	28.97	80	0	0	0.6	20	--
Metropolitan Hardwood Floors	GMSG-70	06/26/02	2:40 PM	28.55	77	0	0	0.6	20.3	--
Metropolitan Hardwood Floors	GMSG-70	07/13/02	9:51 AM	28.79	79	0	0	0.8	19.8	0
Metropolitan Hardwood Floors	GMSG-70	09/30/02	10:51 AM	28.59	70	0	0	0.9	18.8	0
Metropolitan Hardwood Floors	GMSG-70	11/21/02	11:12 AM	28.67	34	0	0	0.4	19.5	0
Metropolitan Hardwood Floors	GMSG-70	01/29/03	10:31 AM	29.12	10	T	0	0.2	20	0
Metropolitan Hardwood Floors	GMSG-70	04/21/03	12:33 PM	28.54	41	T	0	0.2	19.6	0
Metropolitan Hardwood Floors	GMSG-70	08/05/03	10:28 AM	28.72	77	0	0	0.6	17.9	0
Metropolitan Hardwood Floors	GMSG-70	11/02/03	12:08 PM	28.92	40	0	0	0.4	18.4	0
Metropolitan Hardwood Floors	GMSG-70	01/21/04	8:27 AM	28.48	11	T	0	0.4	18.3	0
Metropolitan Hardwood Floors	GMSG-70	04/17/04	5:25 PM	28.91	64	0	0	0.3	17.5	0
Metropolitan Hardwood Floors	GMSG-70	07/15/04	7:55 AM	28.70	70	0	0	0.4	18.8	0
Metropolitan Hardwood Floors	GMSG-70	10/31/04	12:10 PM	--	--	--	0	0.4	19.5	0
Metropolitan Hardwood Floors	GMSG-70	02/08/05	1:35 PM	28.97	21	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	04/05/05	12:23 PM	28.57	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	07/06/05	8:35 AM	28.96	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	10/13/05	10:10 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	03/06/06	2:39 PM	29.01	36	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	04/11/06	10:45 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	07/12/06	10:43 AM	28.83	81	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-70	10/10/06	11:21 AM	28.91	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	02/06/07	10:40 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	04/03/07	12:59 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	07/19/07	9:07 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	10/23/07	1:44 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	01/14/08	10:39 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	04/15/08	9:55 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	07/15/08	1:34 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	10/17/08	10:45 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	01/07/09	10:15 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	04/03/09	10:07 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	07/27/09	12:26 PM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	10/22/09	10:14 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	04/20/10	2:05 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	11/08/10	11:17 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	07/09/11	9:06 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	10/26/12	11:41 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	11/08/13	4:00 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	09/30/14	12:17 PM	28.81	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70	08/04/15	10:03 AM	28.67	65	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	08/08/05	5:36 PM	28.68	87	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	08/17/05	9:30 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	08/24/05	10:10 AM	29.05	68	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	09/12/05	4:23 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	10/13/05	10:05 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	11/14/05	9:25 AM	29.06	29	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	03/06/06	2:43 PM	29.01	36	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	04/11/06	10:46 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	07/12/06	10:39 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	10/10/06	11:17 AM	28.91	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	02/06/07	10:41 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	04/03/07	1:01 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	07/19/07	9:08 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	10/23/07	1:45 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	01/14/08	11:44 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	04/15/08	9:56 AM	29.99	48	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-70B	07/15/08	1:35 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	10/17/08	10:46 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	01/07/09	10:17 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	04/03/09	10:08 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	07/27/09	11:24 AM	28.54	78	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	10/22/09	10:15 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	04/20/10	2:07 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	11/08/10	11:18 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	07/09/11	9:07 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	10/26/12	11:36 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	11/08/13	4:00 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	08/15/14	8:53 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70B	08/04/15	10:05 AM	28.67	65	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	08/08/05	5:38 PM	28.68	87	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	08/17/05	9:33 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	08/24/05	10:12 AM	29.05	68	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	09/12/05	4:25 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	10/13/05	10:07 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	11/14/05	9:26 AM	29.06	29	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	03/06/06	2:45 PM	29.01	36	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	04/11/06	10:47 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	07/12/06	10:41 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	10/10/06	11:19 AM	28.91	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	02/06/07	10:42 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	04/03/07	1:02 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	07/19/07	9:09 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	10/23/07	1:45 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	01/14/08	11:45 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	04/15/08	9:57 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	07/15/08	1:36 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	10/17/08	10:47 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	01/07/09	10:18 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	04/03/09	10:10 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	07/27/09	11:25 AM	28.54	78	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	10/22/09	10:16 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	04/20/10	2:08 PM	28.61	71	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-70C	11/08/10	11:19 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	07/09/11	9:08 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	10/26/12	11:39 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	11/08/13	4:00 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	08/15/14	8:55 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-70C	08/04/15	10:07 AM	28.67	65	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	06/10/02	8:49 AM	28.70	73	0	0	0.2	20.7	--
Metropolitan Hardwood Floors	GMSG-71	06/20/02	1:10 PM	28.97	80	0	0	0.1	20.6	--
Metropolitan Hardwood Floors	GMSG-71	06/26/02	2:54 PM	28.55	77	0	0	0.3	20.7	--
Metropolitan Hardwood Floors	GMSG-71	07/13/02	10:03 AM	28.79	79	0	0	0.2	20.4	0
Metropolitan Hardwood Floors	GMSG-71	09/30/02	10:32 AM	28.59	70	0	0	0.1	20.4	0
Metropolitan Hardwood Floors	GMSG-71	11/21/02	10:43 AM	28.67	34	0	0	0	20	0
Metropolitan Hardwood Floors	GMSG-71	01/29/03	10:22 AM	29.12	7	T	0	0	20.8	0
Metropolitan Hardwood Floors	GMSG-71	04/21/03	12:10 PM	28.51	40	0	0	0.1	19.8	0
Metropolitan Hardwood Floors	GMSG-71	08/05/03	10:14 AM	28.72	77	0	0	0.3	18.7	0
Metropolitan Hardwood Floors	GMSG-71	11/02/03	2:10 PM	28.90	42	0	0	0.1	19.4	0
Metropolitan Hardwood Floors	GMSG-71	04/18/04	9:15 AM	28.70	45	0	0	0.2	17.7	0
Metropolitan Hardwood Floors	GMSG-71	07/15/04	8:18 AM	28.70	70	0	0	0.4	18.9	0
Metropolitan Hardwood Floors	GMSG-71	10/31/04	11:58 AM	--	--	--	0	0.1	19.9	0
Metropolitan Hardwood Floors	GMSG-71	02/08/05	2:29 PM	28.97	21	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	04/05/05	12:16 PM	28.57	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	07/06/05	8:47 AM	28.96	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	10/13/05	8:56 AM	28.85	55	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	02/27/06	8:42 AM	28.88	11	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	04/11/06	10:27 AM	28.68	62	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	07/12/06	10:08 AM	28.83	79	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	10/10/06	12:15 PM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	02/06/07	11:15 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	04/03/07	12:39 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	07/19/07	8:50 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	10/23/07	2:02 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	01/14/08	10:16 AM	29.91	23	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	04/15/08	9:38 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	07/15/08	1:20 PM	29.91	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	10/17/08	10:30 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	01/07/09	9:38 AM	28.02	22	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-71	04/03/09	9:52 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	07/27/09	12:51 PM	28.51	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	10/22/09	9:58 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	04/20/10	1:51 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	11/08/10	11:02 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	07/09/11	9:29 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	10/26/12	10:41 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	11/08/13	4:30 PM	28.76	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	08/15/14	9:28 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71	08/03/15	3:32 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	08/08/05	3:31 PM	28.71	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	08/17/05	9:01 AM	28.91	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	08/24/05	11:01 AM	29.03	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	09/12/05	4:49 PM	28.65	83	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	10/13/05	9:00 AM	28.85	55	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	11/14/05	9:08 AM	29.06	29	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	02/27/06	8:47 AM	28.88	11	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	04/11/06	10:29 AM	28.68	62	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	07/12/06	10:06 AM	28.83	79	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	10/10/06	12:13 PM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	02/06/07	11:16 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	04/03/07	12:41 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	07/19/07	8:52 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	10/23/07	2:03 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	01/14/08	10:18 AM	29.91	23	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	04/15/08	9:39 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	07/15/08	1:21 PM	29.91	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	10/17/08	10:29 AM	30.30	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	01/07/09	9:39 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	04/03/09	9:53 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	07/27/09	12:52 PM	28.51	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	10/22/09	9:59 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	04/20/10	1:52 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	11/08/10	11:03 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	07/09/11	9:30 AM	28.66	73	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	10/26/12	10:39 AM	28.95	39	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-71B	11/08/13	4:30 PM	28.76	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	08/15/14	9:26 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-71B	08/03/15	3:34 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	06/10/02	8:56 AM	28.70	73	0	0	0.5	19.9	--
Metropolitan Hardwood Floors	GMSG-72	06/20/02	1:18 PM	28.97	80	0	0	0.5	20.1	--
Metropolitan Hardwood Floors	GMSG-72	06/26/02	2:48 PM	28.55	77	0	0	0.8	20.1	--
Metropolitan Hardwood Floors	GMSG-72	07/13/02	9:56 AM	28.79	79	0	0	0.8	19.8	0
Metropolitan Hardwood Floors	GMSG-72	09/30/02	10:40 AM	28.59	70	0	0	0.8	19.3	0
Metropolitan Hardwood Floors	GMSG-72	11/21/02	10:58 AM	28.67	34	0	0	0.4	19.7	0
Metropolitan Hardwood Floors	GMSG-72	01/29/03	10:36 AM	29.12	10	T	0	0	20.5	0
Metropolitan Hardwood Floors	GMSG-72	04/21/03	12:21 PM	28.51	40	0	0	0.4	19.2	0
Metropolitan Hardwood Floors	GMSG-72	08/05/03	10:22 AM	28.72	77	0	0	1.1	17.6	0
Metropolitan Hardwood Floors	GMSG-72	11/02/03	12:15 PM	28.92	40	0	0	0.5	18.8	0
Metropolitan Hardwood Floors	GMSG-72	04/17/04	5:31 PM	28.93	59	0	0	0.3	17.6	0
Metropolitan Hardwood Floors	GMSG-72	07/15/04	8:34 AM	28.68	75	0	0	0.7	18.4	0
Metropolitan Hardwood Floors	GMSG-72	10/31/04	12:20 PM	--	--	--	0	0.2	19.9	0
Metropolitan Hardwood Floors	GMSG-72	02/08/05	2:43 PM	28.96	21	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	04/05/05	12:19 PM	28.57	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	07/06/05	8:40 AM	28.96	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	10/13/05	9:04 AM	28.85	55	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	02/27/06	9:13 AM	28.88	11	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	04/11/06	10:37 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	07/12/06	10:26 AM	28.83	79	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	10/10/06	12:22 PM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	02/06/07	10:58 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	02/06/07	10:59 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	04/03/07	12:49 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	07/19/07	8:59 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	10/23/07	1:54 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	01/14/08	10:27 AM	29.91	23	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	04/15/08	9:46 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	07/15/08	1:25 PM	29.91	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	10/17/08	10:36 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	01/07/09	9:52 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	04/03/09	10:00 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	07/27/09	12:39 PM	28.51	80	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-72	10/22/09	10:05 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	04/20/10	1:57 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	11/08/10	11:08 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	07/09/11	9:23 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	10/26/12	11:04 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	11/11/13	3:45 PM	29.01	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	08/15/14	9:15 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72	08/03/15	3:50 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	08/08/05	3:47 PM	28.71	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	08/17/05	9:15 AM	28.91	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	08/24/05	11:10 AM	29.03	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	09/12/05	4:36 PM	28.65	83	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	10/13/05	9:07 AM	28.85	55	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	11/14/05	9:15 AM	29.06	29	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	02/27/06	9:18 AM	28.88	11	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	04/11/06	10:39 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	07/12/06	10:23 AM	28.83	79	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	10/10/06	12:24 PM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	04/03/07	12:51 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	07/19/07	9:01 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	10/23/07	1:55 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	01/14/08	10:29 AM	29.91	23	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	04/15/08	9:47 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	07/15/08	1:27 PM	29.91	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	10/17/08	10:37 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	01/07/09	9:53 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	04/03/09	10:01 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	07/27/09	12:38 PM	28.51	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	10/22/09	10:06 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	04/20/10	1:58 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	11/08/10	11:09 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	07/09/11	9:24 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	10/26/12	11:06 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	11/08/13	4:20 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	08/15/14	9:13 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-72B	08/03/15	3:52 PM	28.54	70	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-479A	08/08/05	2:02 PM	28.74	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	08/17/05	10:19 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	08/24/05	11:55 AM	29.02	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	09/12/05	2:33 PM	28.67	88	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	10/13/05	9:50 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	11/14/05	10:00 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	03/06/06	10:51 AM	28.99	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	04/11/06	11:13 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	07/12/06	11:27 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	10/10/06	11:59 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	02/06/07	9:45 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	04/03/07	1:29 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	07/19/07	9:34 AM	29.98	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	10/23/07	1:19 PM	29.76	52	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	01/14/08	11:50 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	04/15/08	10:25 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	07/15/08	2:02 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	10/17/08	11:16 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	01/07/09	10:59 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	04/03/09	10:32 AM	28.40	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	07/27/09	11:53 AM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	10/22/09	10:40 AM	28.88	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	04/20/10	2:30 PM	28.60	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	11/08/10	11:41 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	07/09/11	8:44 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	10/26/12	11:29 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	11/08/13	3:35 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	08/15/14	7:59 AM	28.76	60	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479A	08/03/15	4:09 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	08/08/05	2:04 PM	28.74	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	08/17/05	10:20 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	08/24/05	11:57 AM	29.02	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	09/12/05	2:35 PM	28.67	88	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	10/21/05	9:00 AM	28.91	35	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	11/14/05	10:02 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	03/06/06	10:53 AM	28.99	31	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-479B	04/11/06	11:14 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	07/12/06	11:29 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	10/10/06	12:01 PM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	02/06/07	9:46 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	04/03/07	1:30 PM	28.57	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	07/19/07	9:35 AM	29.98	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	10/23/07	1:19 PM	29.76	52	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	01/14/08	11:51 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	04/15/08	10:26 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	07/15/08	2:03 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	10/17/08	11:17 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	01/07/09	11:00 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	04/03/09	10:33 AM	28.40	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	07/27/09	11:53 AM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	10/22/09	10:41 AM	28.88	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	04/20/10	2:31 PM	28.60	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	11/08/10	11:42 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	07/09/11	8:45 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	10/26/12	11:31 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	11/08/13	3:35 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	08/15/14	8:02 AM	28.76	60	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479B	08/03/15	4:10 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	08/08/05	2:06 PM	28.74	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	08/17/05	10:22 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	08/24/05	11:59 AM	29.02	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	09/12/05	2:37 PM	28.67	88	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	10/21/05	9:02 AM	28.91	35	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	11/14/05	10:03 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	03/06/06	10:54 AM	28.99	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	04/11/06	11:15 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	07/12/06	11:31 AM	28.81	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	10/10/06	12:03 PM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	02/06/07	9:47 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	04/03/07	1:31 PM	28.57	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	07/19/07	9:36 AM	29.98	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	10/23/07	1:20 PM	29.76	52	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-479C	01/14/08	11:52 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	04/15/08	10:27 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	07/15/08	2:04 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	10/17/08	11:18 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	01/07/09	11:01 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	04/03/09	10:34 AM	28.40	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	07/27/09	11:54 AM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	10/22/09	10:42 AM	28.88	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	04/20/10	2:32 PM	28.60	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	11/08/10	11:43 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	07/09/11	8:46 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	10/26/12	11:34 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	11/08/13	3:35 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	08/15/14	8:04 AM	28.76	60	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-479C	08/03/15	4:12 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	08/08/05	2:22 PM	28.74	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	08/17/05	9:48 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	08/24/05	11:34 AM	29.02	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	09/12/05	3:58 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	10/13/05	10:31 AM	28.83	59	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	11/14/05	9:48 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	02/27/06	10:15 AM	28.87	15	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	04/11/06	10:54 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	07/12/06	11:11 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	10/10/06	11:35 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	02/06/07	10:07 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	04/03/07	1:19 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	07/19/07	9:24 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	10/23/07	1:29 PM	29.76	52	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	01/14/08	11:20 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	04/15/08	10:13 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	07/15/08	1:53 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	10/17/08	11:06 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	01/07/09	10:43 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	04/03/09	10:24 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	07/27/09	12:13 PM	28.52	80	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-480A	10/22/09	10:30 AM	28.88	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	04/20/10	2:21 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	11/08/10	11:33 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	07/09/11	8:52 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	10/26/12	11:55 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	11/09/13	9:10 AM	28.35	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	08/15/14	8:29 AM	28.76	60	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480A	08/04/15	10:19 AM	28.67	65	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	08/08/05	2:24 PM	28.74	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	08/17/05	9:49 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	08/24/05	11:36 AM	29.02	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	09/12/05	4:00 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	10/13/05	10:33 AM	28.83	59	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	11/14/05	9:49 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	02/27/06	10:17 AM	28.87	15	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	04/11/06	10:55 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	07/12/06	11:13 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	10/10/06	11:37 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	02/06/07	10:08 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	04/03/07	1:20 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	07/19/07	9:25 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	10/23/07	1:30 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	01/14/08	11:21 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	04/15/08	10:14 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	07/15/08	1:54 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	10/17/08	11:07 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	01/07/09	10:44 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	04/03/09	10:25 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	07/27/09	12:14 PM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	10/22/09	10:31 AM	28.88	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	04/20/10	2:22 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	11/08/10	11:34 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	07/09/11	8:53 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	10/26/12	11:57 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	11/09/13	9:10 AM	28.35	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480B	08/15/14	8:31 AM	28.75	66	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-480B	08/04/15	10:20 AM	28.67	65	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	08/08/05	2:27 PM	28.74	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	08/17/05	9:51 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	08/24/05	11:39 AM	29.02	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	09/12/05	4:02 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	10/13/05	10:35 AM	28.83	59	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	11/14/05	9:50 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	02/27/06	10:18 AM	28.87	15	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	04/11/06	10:56 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	07/12/06	11:15 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	10/10/06	11:39 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	02/06/07	10:09 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	04/03/07	1:21 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	07/19/07	9:26 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	10/23/07	1:30 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	01/14/08	11:22 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	04/15/08	10:15 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	07/15/08	1:55 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	10/17/08	11:08 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	01/07/09	10:45 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	04/03/09	10:26 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	07/27/09	12:15 PM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	10/22/09	10:32 AM	28.88	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	04/20/10	2:23 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	11/08/10	11:35 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	07/09/11	8:54 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	10/26/12	11:58 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	11/09/13	9:10 AM	28.35	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	08/15/14	8:32 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-480C	08/04/15	10:21 AM	28.67	65	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	08/08/05	2:33 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	08/17/05	10:04 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	08/24/05	11:25 AM	29.03	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	10/13/05	10:25 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	11/14/05	9:53 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	02/27/06	9:54 AM	28.87	15	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-481A	04/11/06	11:03 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	07/12/06	11:03 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	10/10/06	11:30 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	02/06/07	10:20 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	04/03/07	1:14 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	07/19/07	9:20 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	10/23/07	1:34 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	01/14/08	11:37 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	04/15/08	10:09 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	07/15/08	1:48 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	10/17/08	11:02 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	01/07/09	10:37 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	04/03/09	10:20 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	07/27/09	12:10 PM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	10/22/09	10:26 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	04/20/10	2:16 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	11/08/10	11:29 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	07/09/11	8:56 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	10/26/12	11:50 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	11/09/13	9:05 AM	28.35	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	08/15/14	8:36 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481A	08/04/15	10:25 AM	28.67	65	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	08/08/05	2:35 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	08/17/05	10:05 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	08/24/05	11:27 AM	29.03	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	09/12/05	3:44 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	10/13/05	10:26 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	11/14/05	9:54 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	02/27/06	9:55 AM	28.87	15	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	04/11/06	11:04 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	07/12/06	11:05 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	10/10/06	11:32 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	02/06/07	10:21 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	04/03/07	1:15 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	07/19/07	9:21 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	10/23/07	1:34 PM	29.73	53	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-481B	01/14/08	11:38 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	04/15/08	10:10 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	07/15/08	1:49 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	10/17/08	11:03 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	01/07/09	10:38 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	04/03/09	10:21 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	07/27/09	12:10 PM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	10/22/09	10:27 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	04/20/10	2:18 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	11/08/10	11:30 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	07/09/11	8:57 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	10/26/12	11:52 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	11/09/13	9:05 AM	28.35	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	08/15/14	8:38 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481B	08/04/15	10:27 AM	28.67	65	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	08/08/05	2:37 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	08/17/05	10:08 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	08/24/05	11:29 AM	29.03	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	09/12/05	3:46 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	10/13/05	10:27 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	11/14/05	9:55 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	02/27/06	9:56 AM	28.87	15	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	04/11/06	11:05 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	07/12/06	11:07 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	10/10/06	11:33 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	02/06/07	10:22 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	04/03/07	1:16 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	07/19/07	9:22 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	10/23/07	1:35 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	01/14/08	11:39 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	04/15/08	10:11 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	07/15/08	1:50 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	10/17/08	11:04 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	01/07/09	10:39 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	04/03/09	10:22 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	07/27/09	12:11 PM	28.52	80	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-481C	10/22/09	10:28 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	04/20/10	2:19 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	11/08/10	11:31 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	07/09/11	8:58 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	10/26/12	11:53 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	11/09/13	9:05 AM	28.35	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	08/15/14	8:40 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-481C	08/04/15	10:28 AM	28.67	65	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	08/08/05	2:42 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	08/17/05	9:56 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	08/24/05	11:17 AM	29.03	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	09/12/05	3:50 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	10/13/05	10:15 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	11/14/05	9:30 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	02/27/06	9:44 AM	28.87	15	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	04/11/06	10:59 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	07/12/06	10:56 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	10/10/06	11:25 AM	28.91	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	02/06/07	10:14 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	04/03/07	1:10 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	07/19/07	9:16 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	10/23/07	1:38 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	01/14/08	11:27 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	04/15/08	10:05 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	07/15/08	1:44 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	10/17/08	10:55 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	01/07/09	10:32 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	04/03/09	10:16 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	07/27/09	12:18 PM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	10/22/09	10:23 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	04/20/10	2:13 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	11/08/10	11:25 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	07/09/11	9:00 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	10/26/12	11:44 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	11/09/13	9:00 AM	28.35	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482A	08/15/14	8:44 AM	28.75	66	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-482A	08/04/15	10:12 AM	28.67	65	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	08/08/05	2:44 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	08/17/05	9:57 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	08/24/05	11:19 AM	29.03	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	09/12/05	3:52 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	10/13/05	10:17 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	02/27/06	9:46 AM	28.87	15	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	04/11/06	11:00 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	07/12/06	10:58 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	10/10/06	11:27 AM	28.91	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	02/06/07	10:15 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	04/03/07	1:11 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	07/19/07	9:17 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	10/23/07	1:39 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	01/14/08	11:28 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	04/15/08	10:06 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	07/15/08	1:45 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	10/17/08	10:56 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	01/07/09	10:33 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	04/03/09	10:17 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	07/27/09	12:19 PM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	10/22/09	10:24 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	04/20/10	2:14 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	11/08/10	11:26 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	07/09/11	9:01 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	10/26/12	11:46 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	11/09/13	9:00 AM	28.35	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	08/15/14	8:46 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482B	08/04/15	10:14 AM	28.67	65	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	08/08/05	2:46 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	08/17/05	9:59 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	08/24/05	11:21 AM	29.03	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	09/12/05	3:54 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	10/13/05	10:18 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	11/14/05	9:33 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	02/27/06	9:48 AM	28.87	15	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-482C	04/11/06	11:01 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	07/12/06	11:00 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	10/10/06	11:29 AM	28.91	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	02/06/07	10:16 AM	28.92	-4	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	04/03/07	1:12 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	07/19/07	9:18 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	10/23/07	1:39 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	01/14/08	11:29 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	04/15/08	10:07 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	07/15/08	1:46 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	10/17/08	10:57 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	01/07/09	10:34 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	04/03/09	10:18 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	07/27/09	12:20 PM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	10/22/09	10:25 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	04/20/10	2:15 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	11/08/10	11:27 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	07/09/11	9:02 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	10/26/12	11:48 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	11/09/13	9:00 AM	28.35	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	08/15/14	8:48 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-482C	08/04/15	10:15 AM	28.67	65	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	08/08/05	2:53 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	08/17/05	9:38 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	08/24/05	12:56 PM	29.01	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	09/12/05	4:08 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	10/17/05	3:05 PM	28.39	61	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	11/14/05	9:37 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	03/06/06	2:11 PM	29.00	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	04/11/06	10:50 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	07/12/06	10:48 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	10/10/06	11:47 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	02/06/07	10:30 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	04/03/07	1:05 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	07/19/07	9:12 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	10/23/07	2:06 PM	29.73	53	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-483A	01/14/08	11:14 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	04/15/08	10:00 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	07/15/08	1:39 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	10/17/08	10:50 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	01/07/09	10:23 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	04/03/09	10:12 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	07/27/09	12:29 PM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	10/22/09	10:18 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	04/20/10	2:10 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	11/08/10	11:21 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	07/09/11	9:12 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	10/26/12	11:15 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	11/08/13	3:50 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	08/15/14	8:23 AM	28.76	60	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483A	08/03/15	3:59 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	08/08/05	2:55 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	08/17/05	9:39 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	08/24/05	12:58 PM	29.01	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	09/12/05	4:10 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	10/17/05	3:06 PM	28.39	61	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	11/14/05	9:38 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	03/06/06	2:14 PM	29.00	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	04/11/06	10:51 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	07/12/06	10:50 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	10/10/06	11:49 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	02/06/07	10:31 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	04/03/07	1:06 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	07/19/07	9:13 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	10/23/07	2:07 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	01/14/08	11:15 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	04/15/08	10:01 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	07/15/08	1:40 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	10/17/08	10:51 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	01/07/09	10:24 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	04/03/09	10:13 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	07/27/09	12:30 PM	28.51	80	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-483B	10/22/09	10:19 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	04/20/10	2:11 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	11/08/10	11:22 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	07/09/11	9:13 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	10/26/12	11:17 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	11/08/13	3:50 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	08/15/14	8:25 AM	28.76	60	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483B	08/03/15	4:00 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	08/08/05	2:58 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	08/17/05	9:41 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	08/24/05	1:00 PM	29.01	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	09/12/05	4:12 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	10/17/05	3:07 PM	28.39	61	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	11/14/05	9:39 AM	29.07	31	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	03/06/06	2:16 PM	29.00	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	04/11/06	10:52 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	07/12/06	10:52 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	10/10/06	11:51 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	02/06/07	10:32 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	04/03/07	1:07 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	07/19/07	9:14 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	10/23/07	2:07 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	01/14/08	11:16 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	04/15/08	10:02 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	07/15/08	1:41 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	10/17/08	10:52 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	01/07/09	10:25 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	04/03/09	10:14 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	07/27/09	12:31 PM	28.51	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	10/22/09	10:20 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	04/20/10	2:12 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	11/08/10	11:23 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	07/09/11	9:14 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	10/26/12	11:20 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	11/08/13	3:50 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-483C	08/15/14	8:26 AM	28.76	60	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-483C	08/03/15	4:02 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	08/08/05	5:30 PM	28.68	87	0	--	--	--	3
Metropolitan Hardwood Floors	GMSG-484A	08/17/05	9:21 AM	28.91	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	08/24/05	10:18 AM	29.05	68	0	--	--	--	3
Metropolitan Hardwood Floors	GMSG-484A	09/07/05	1:49 PM	29.02	68	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	09/12/05	4:15 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	09/20/05	2:23 PM	28.79	79	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	09/29/05	10:04 AM	28.84	49	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	10/07/05	1:30 PM	29.02	45	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	10/13/05	9:12 AM	28.85	55	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	10/18/05	9:15 AM	28.63	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	10/25/05	12:55 PM	28.91	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	10/31/05	3:24 PM	28.73	51	0	--	--	--	3
Metropolitan Hardwood Floors	GMSG-484A	11/14/05	9:19 AM	29.06	29	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	02/27/06	9:28 AM	28.88	11	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	04/11/06	10:41 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	07/12/06	10:31 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	10/10/06	11:41 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	02/06/07	10:48 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	04/03/07	12:53 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	07/19/07	9:03 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	10/23/07	1:49 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	01/14/08	10:33 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	04/15/08	9:50 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	07/15/08	1:29 PM	29.91	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	10/17/08	10:40 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	01/07/09	10:07 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	04/03/09	10:03 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	07/27/09	12:34 PM	28.51	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	10/22/09	10:09 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	04/20/10	2:01 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	11/08/10	11:13 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	07/09/11	9:17 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	10/26/12	11:09 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	11/09/13	9:15 AM	28.35	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484A	08/15/14	9:01 AM	28.75	66	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-484A	08/03/15	3:54 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	08/08/05	5:32 PM	28.68	87	0	--	--	--	3
Metropolitan Hardwood Floors	GMSG-484B	08/17/05	9:23 AM	28.91	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	08/24/05	10:19 AM	29.05	68	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	09/07/05	1:51 PM	29.02	68	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	09/12/05	4:17 PM	28.66	86	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	10/13/05	9:13 AM	28.85	55	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	11/14/05	9:20 AM	29.06	29	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	02/27/06	9:30 AM	28.87	15	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	04/11/06	10:42 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	07/12/06	10:33 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	10/10/06	11:43 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	02/06/07	10:49 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	04/03/07	12:54 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	07/19/07	9:04 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	10/23/07	1:50 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	01/14/08	10:34 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	04/15/08	9:51 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	07/15/08	1:30 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	10/17/08	10:41 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	01/07/09	10:08 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	04/03/09	10:04 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	07/27/09	12:35 PM	28.51	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	10/22/09	10:10 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	04/20/10	2:02 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	11/08/10	11:14 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	07/09/11	9:18 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	10/26/12	11:11 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	11/09/13	9:15 AM	28.35	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	08/15/14	9:05 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484B	08/03/15	3:55 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	08/08/05	5:35 PM	28.68	87	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	08/17/05	9:25 AM	28.91	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	08/24/05	10:22 AM	29.05	68	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	09/07/05	1:54 PM	29.02	68	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	09/12/05	4:19 PM	28.66	86	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-484C	10/13/05	9:14 AM	28.85	55	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	11/14/05	9:22 AM	29.06	29	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	02/27/06	9:31 AM	28.87	15	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	04/11/06	10:43 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	07/12/06	10:35 AM	28.83	81	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	10/10/06	11:45 AM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	02/06/07	10:50 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	04/03/07	12:55 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	07/19/07	9:05 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	10/23/07	1:50 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	01/14/08	10:35 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	04/15/08	9:52 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	07/15/08	1:31 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	10/17/08	10:42 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	01/07/09	10:09 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	04/03/09	10:05 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	07/27/09	12:36 PM	28.51	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	10/22/09	10:11 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	04/20/10	2:03 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	11/08/10	11:15 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	07/09/11	9:19 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	10/26/12	11:13 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	11/09/13	9:15 AM	28.35	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	08/15/14	9:07 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-484C	08/03/15	3:57 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	08/08/05	3:11 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	08/17/05	9:07 AM	28.91	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	08/24/05	11:03 AM	29.03	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	09/12/05	4:42 PM	28.65	83	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	10/13/05	9:07 AM	28.85	55	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	11/14/05	9:11 AM	29.06	29	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	02/27/06	8:58 AM	28.88	11	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	04/11/06	10:33 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	07/12/06	10:17 AM	28.83	79	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	10/10/06	12:29 PM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	02/06/07	11:07 AM	28.92	1	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-486A	04/03/07	12:45 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	07/19/07	8:56 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	10/23/07	1:58 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	01/14/08	10:22 AM	29.91	23	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	04/15/08	9:43 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	07/15/08	2:47 PM	29.92	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	10/17/08	10:33 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	01/07/09	9:47 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	04/03/09	9:56 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	07/27/09	12:46 PM	28.51	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	10/22/09	10:02 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	04/20/10	1:55 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	11/08/10	11:05 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	07/09/11	9:26 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	10/26/12	10:42 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	11/08/13	4:25 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	08/15/14	9:19 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486A	08/03/15	3:37 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	08/08/05	3:13 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	08/17/05	9:08 AM	28.91	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	08/24/05	11:06 AM	29.03	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	09/12/05	4:44 PM	28.65	83	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	10/13/05	9:09 AM	28.85	55	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	11/14/05	9:13 AM	29.06	29	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	02/27/06	9:00 AM	28.88	11	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	04/11/06	10:34 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	07/12/06	10:19 AM	28.83	79	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	10/10/06	12:30 PM	28.80	52	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	02/06/07	11:08 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	04/03/07	12:46 PM	28.62	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	07/19/07	8:57 AM	29.96	67	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	10/23/07	1:58 PM	29.73	53	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	01/14/08	10:23 AM	29.91	23	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	04/15/08	9:44 AM	29.99	48	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	07/15/08	2:48 PM	29.92	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	10/17/08	10:34 AM	30.30	45	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-486B	01/07/09	9:48 AM	28.02	22	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	04/03/09	9:57 AM	28.40	37	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	07/27/09	12:47 PM	28.51	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	10/22/09	10:03 AM	28.87	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	04/20/10	1:56 PM	28.61	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	11/08/10	11:06 AM	28.70	44	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	07/09/11	9:27 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	10/26/12	10:44 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	11/08/13	4:25 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	08/15/14	9:22 AM	28.75	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-486B	08/03/15	3:38 PM	28.54	70	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	08/08/05	3:19 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	08/17/05	10:25 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	08/24/05	12:05 PM	29.02	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	09/12/05	4:53 PM	28.65	83	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	10/13/05	9:59 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	11/14/05	9:00 AM	29.06	29	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	02/27/06	11:02 AM	28.86	18	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	04/11/06	11:17 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	07/12/06	9:56 AM	28.83	79	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	10/10/06	12:07 PM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	02/06/07	11:26 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	04/03/07	1:34 PM	28.57	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	07/19/07	9:38 AM	29.98	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	10/23/07	1:14 PM	29.76	52	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	01/14/08	11:05 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	04/15/08	10:33 AM	29.96	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	07/15/08	2:06 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	10/17/08	11:20 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	01/07/09	11:05 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	04/03/09	10:36 AM	28.40	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	07/27/09	11:47 AM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	10/22/09	10:45 AM	28.88	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	04/20/10	2:35 PM	28.60	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	11/08/10	11:45 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	07/09/11	8:40 AM	28.67	72	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-487A	10/26/12	10:32 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	11/08/13	3:30 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	08/15/14	7:50 AM	28.76	60	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487A	08/03/15	3:27 PM	28.54	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	08/08/05	3:21 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	08/17/05	10:26 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	08/24/05	12:07 PM	29.02	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	09/12/05	4:55 PM	28.65	83	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	10/13/05	10:00 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	11/14/05	9:02 AM	29.06	29	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	02/27/06	11:03 AM	28.86	18	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	04/11/06	11:18 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	07/12/06	9:58 AM	28.83	79	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	10/10/06	12:09 PM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	02/06/07	11:27 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	04/03/07	1:35 PM	28.57	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	07/19/07	9:39 AM	29.98	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	10/23/07	1:14 PM	29.76	52	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	01/14/08	11:06 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	04/15/08	10:34 AM	29.96	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	07/15/08	2:07 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	10/17/08	11:21 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	01/07/09	11:06 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	04/03/09	10:37 AM	28.40	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	07/27/09	11:48 AM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	10/22/09	10:46 AM	28.88	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	04/20/10	2:36 PM	28.60	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	11/08/10	11:46 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	07/09/11	8:41 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	10/26/12	10:34 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	11/08/13	3:30 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	08/15/14	7:54 AM	28.76	60	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487B	08/03/15	3:28 PM	28.54	71	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	08/08/05	3:23 PM	28.73	91	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	08/17/05	10:28 AM	28.91	69	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	08/24/05	12:10 PM	29.02	72	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Metropolitan Hardwood Floors	GMSG-487C	09/12/05	4:57 PM	28.65	83	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	10/13/05	10:02 AM	28.85	56	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	11/14/05	9:05 AM	29.06	29	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	02/27/06	11:04 AM	28.86	18	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	04/11/06	11:19 AM	28.64	66	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	07/12/06	10:00 AM	28.83	79	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	10/10/06	12:11 PM	28.86	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	02/06/07	11:28 AM	28.92	1	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	04/03/07	1:36 PM	28.57	36	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	07/19/07	9:40 AM	29.98	65	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	10/23/07	1:15 PM	29.76	52	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	01/14/08	11:07 AM	29.92	24	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	04/15/08	10:35 AM	29.96	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	07/15/08	2:08 PM	29.92	82	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	10/17/08	11:22 AM	30.30	45	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	01/07/09	11:07 AM	28.00	23	T	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	04/03/09	10:38 AM	28.40	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	07/27/09	11:49 AM	28.52	80	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	10/22/09	10:47 AM	28.88	40	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	04/20/10	2:37 PM	28.60	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	11/08/10	11:47 AM	28.67	50	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	07/09/11	8:42 AM	28.67	72	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	10/26/12	10:36 AM	28.95	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	11/08/13	3:30 PM	28.79	39	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	08/15/14	7:52 AM	28.76	60	0	--	--	--	0
Metropolitan Hardwood Floors	GMSG-487C	08/03/15	3:30 PM	28.54	70	0	--	--	--	0
Midwest Mini Storage	GMSG-467	07/19/05	3:25 PM	28.78	81	0	--	--	--	0
Midwest Mini Storage	GMSG-467	07/25/05	9:15 AM	28.75	80	0	--	--	--	0
Midwest Mini Storage	GMSG-467	08/01/05	12:18 PM	28.85	86	0	--	--	--	0
Midwest Mini Storage	GMSG-467	09/12/05	9:45 AM	28.77	83	0	--	--	--	0
Midwest Mini Storage	GMSG-467	10/10/05	1:05 PM	28.98	61	0	--	--	--	0
Midwest Mini Storage	GMSG-467	11/11/05	2:08 PM	28.65	53	0	--	--	--	0
Midwest Mini Storage	GMSG-467	02/22/06	10:52 AM	28.51	28	0	--	--	--	0
Midwest Mini Storage	GMSG-467	04/03/06	11:12 AM	28.59	41	0	--	--	--	0
Midwest Mini Storage	GMSG-467	07/06/06	11:40 AM	29.03	81	0	--	--	--	0
Midwest Mini Storage	GMSG-467	10/02/06	12:35 PM	28.63	78	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Midwest Mini Storage	GMSG-467	10/09/06	11:47 AM	29.13	48	0	--	--	--	0
Midwest Mini Storage	GMSG-467	01/02/07	12:08 PM	28.89	37	0	--	--	--	0
Midwest Mini Storage	GMSG-467	04/02/07	3:33 PM	28.71	46	0	--	--	--	0
Midwest Mini Storage	GMSG-467	07/17/07	1:39 PM	29.92	82	0	--	--	--	0
Midwest Mini Storage	GMSG-467	10/18/07	2:43 PM	29.16	66	0	--	--	--	0
Midwest Mini Storage	GMSG-467	01/04/08	10:47 AM	30.04	20	0	--	--	--	0
Midwest Mini Storage	GMSG-467	04/24/08	9:48 AM	30.11	63	0	--	--	--	0
Midwest Mini Storage	GMSG-467	07/10/08	12:02 PM	29.94	74	0	--	--	--	0
Midwest Mini Storage	GMSG-467	10/13/08	1:15 PM	30.07	74	0	--	--	--	0
Midwest Mini Storage	GMSG-467	01/27/09	11:38 AM	28.98	4	0	--	--	--	0
Midwest Mini Storage	GMSG-467	03/31/09	11:09 AM	28.53	37	T	--	--	--	0
Midwest Mini Storage	GMSG-467	07/29/09	10:28 AM	28.54	69	0	--	--	--	0
Midwest Mini Storage	GMSG-467	10/19/09	12:38 PM	28.46	65	0	--	--	--	0
Midwest Mini Storage	GMSG-467	04/23/10	1:31 PM	28.61	67	0	--	--	--	0
Midwest Mini Storage	GMSG-467	10/28/10	11:23 AM	27.88	41	T	--	--	--	0
Midwest Mini Storage	GMSG-467	07/09/11	5:38 PM	28.58	80	0	--	--	--	0
Midwest Mini Storage	GMSG-467	11/01/12	2:49 PM	28.54	41	0	--	--	--	0
Midwest Mini Storage	GMSG-467	11/10/13	3:00 PM	28.89	39	0	--	--	--	0
Midwest Mini Storage	GMSG-467	08/13/14	3:04 PM	28.76	73	0	--	--	--	0
Midwest Mini Storage	GMSG-467	08/08/15	8:59 AM	28.75	65	0	--	--	--	0
Midwest Mini Storage	GMSG-470	07/19/05	3:20 PM	28.78	81	0	--	--	--	0
Midwest Mini Storage	GMSG-470	07/25/05	9:21 AM	28.75	80	0	--	--	--	0
Midwest Mini Storage	GMSG-470	08/01/05	12:20 PM	28.85	86	0	--	--	--	0
Midwest Mini Storage	GMSG-470	09/12/05	9:52 AM	28.77	83	0	--	--	--	0
Midwest Mini Storage	GMSG-470	10/10/05	2:20 PM	28.96	62	0	--	--	--	0
Midwest Mini Storage	GMSG-470	11/11/05	2:04 PM	28.65	53	0	--	--	--	0
Midwest Mini Storage	GMSG-470	02/22/06	3:26 PM	28.48	31	0	--	--	--	0
Midwest Mini Storage	GMSG-470	04/03/06	11:30 AM	28.60	42	0	--	--	--	0
Midwest Mini Storage	GMSG-470	07/06/06	11:57 AM	29.03	81	0	--	--	--	0
Midwest Mini Storage	GMSG-470	10/02/06	12:58 PM	28.63	78	0	--	--	--	0
Midwest Mini Storage	GMSG-470	10/09/06	11:16 AM	29.14	47	0	--	--	--	0
Midwest Mini Storage	GMSG-470	01/02/07	1:54 PM	28.83	40	0	--	--	--	0
Midwest Mini Storage	GMSG-470	04/02/07	2:57 PM	28.69	48	0	--	--	--	0
Midwest Mini Storage	GMSG-470	07/17/07	2:05 PM	29.92	82	0	--	--	--	0
Midwest Mini Storage	GMSG-470	10/18/07	2:57 PM	29.16	66	0	--	--	--	0
Midwest Mini Storage	GMSG-470	01/04/08	11:04 AM	30.04	20	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Midwest Mini Storage	GMSG-470	04/24/08	10:00 AM	30.11	63	0	--	--	--	0
Midwest Mini Storage	GMSG-470	07/10/08	1:45 PM	29.92	75	T	--	--	--	0
Midwest Mini Storage	GMSG-470	10/13/08	1:45 PM	30.04	75	0	--	--	--	0
Midwest Mini Storage	GMSG-470	01/27/09	1:11 PM	28.95	8	0	--	--	--	0
Midwest Mini Storage	GMSG-470	05/18/09	2:30 PM	28.75	68	0	--	--	--	0
Midwest Mini Storage	GMSG-470	07/29/09	10:05 AM	28.54	69	0	--	--	--	0
Midwest Mini Storage	GMSG-470	10/19/09	12:49 PM	28.46	65	0	--	--	--	0
Midwest Mini Storage	GMSG-470	04/23/10	1:41 PM	28.61	67	0	--	--	--	0
Midwest Mini Storage	GMSG-470	10/28/10	11:08 AM	27.88	41	T	--	--	--	0
Midwest Mini Storage	GMSG-470	07/09/11	5:52 PM	28.58	80	0	--	--	--	0
Midwest Mini Storage	GMSG-470	11/01/12	3:16 PM	28.54	41	0	--	--	--	0
Midwest Mini Storage	GMSG-470	11/10/13	3:05 PM	28.89	39	0	--	--	--	0
Midwest Mini Storage	GMSG-470	08/13/14	3:10 PM	28.76	73	0	--	--	--	0
Midwest Mini Storage	GMSG-470	08/08/15	8:40 AM	28.75	65	0	--	--	--	0
Midwest Mini Storage	GMSG-471	07/25/05	9:23 AM	28.75	80	0	--	--	--	0
Midwest Mini Storage	GMSG-471	08/01/05	12:23 PM	28.85	86	0	--	--	--	0
Midwest Mini Storage	GMSG-471	08/09/05	9:24 AM	28.74	77	0	--	--	--	0
Midwest Mini Storage	GMSG-471	09/12/05	9:55 AM	28.77	83	0	--	--	--	0
Midwest Mini Storage	GMSG-471	10/10/05	2:25 PM	28.96	62	0	--	--	--	0
Midwest Mini Storage	GMSG-471	11/11/05	2:00 PM	28.65	53	0	--	--	--	0
Midwest Mini Storage	GMSG-471	02/22/06	3:41 PM	28.48	31	0	--	--	--	0
Midwest Mini Storage	GMSG-471	04/03/06	11:32 AM	28.60	42	0	--	--	--	0
Midwest Mini Storage	GMSG-471	07/06/06	12:00 PM	29.03	81	0	--	--	--	0
Midwest Mini Storage	GMSG-471	10/02/06	1:00 PM	28.63	78	0	--	--	--	0
Midwest Mini Storage	GMSG-471	10/09/06	11:14 AM	29.14	47	0	--	--	--	0
Midwest Mini Storage	GMSG-471	01/02/07	1:59 PM	28.83	40	0	--	--	--	0
Midwest Mini Storage	GMSG-471	04/02/07	2:55 PM	28.69	48	0	--	--	--	0
Midwest Mini Storage	GMSG-471	07/17/07	2:03 PM	29.92	82	0	--	--	--	0
Midwest Mini Storage	GMSG-471	10/18/07	2:58 PM	29.16	66	0	--	--	--	0
Midwest Mini Storage	GMSG-471	01/04/08	11:10 AM	30.04	20	0	--	--	--	0
Midwest Mini Storage	GMSG-471	04/24/08	10:02 AM	30.11	63	0	--	--	--	0
Midwest Mini Storage	GMSG-471	07/10/08	1:43 PM	29.92	75	T	--	--	--	0
Midwest Mini Storage	GMSG-471	10/13/08	1:42 PM	30.04	75	0	--	--	--	0
Midwest Mini Storage	GMSG-471	01/27/09	1:15 PM	28.95	8	0	--	--	--	0
Midwest Mini Storage	GMSG-471	03/31/09	11:36 AM	28.48	38	T	--	--	--	0
Midwest Mini Storage	GMSG-471	07/29/09	10:00 AM	28.54	69	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Midwest Mini Storage	GMSG-471	10/19/09	12:51 PM	28.46	65	0	--	--	--	0
Midwest Mini Storage	GMSG-471	04/23/10	1:40 PM	28.61	67	0	--	--	--	0
Midwest Mini Storage	GMSG-471	10/28/10	11:07 AM	27.88	41	T	--	--	--	0
Midwest Mini Storage	GMSG-471	07/09/11	5:54 PM	28.58	80	0	--	--	--	0
Midwest Mini Storage	GMSG-471	11/01/12	3:12 PM	28.54	41	0	--	--	--	0
Midwest Mini Storage	GMSG-471	11/10/13	3:10 PM	28.89	39	0	--	--	--	0
Midwest Mini Storage	GMSG-471	08/13/14	3:18 PM	28.76	73	0	--	--	--	0
Midwest Mini Storage	GMSG-471	08/08/15	8:36 AM	28.75	65	0	--	--	--	0
Midwest Mini Storage	GMSG-472	07/19/05	3:12 PM	28.78	81	0	--	--	--	0
Midwest Mini Storage	GMSG-472	07/25/05	9:26 AM	28.75	80	0	--	--	--	0
Midwest Mini Storage	GMSG-472	08/01/05	12:26 PM	28.85	86	0	--	--	--	0
Midwest Mini Storage	GMSG-472	09/12/05	9:58 AM	28.77	83	0	--	--	--	0
Midwest Mini Storage	GMSG-472	10/10/05	2:30 PM	28.96	63	0	--	--	--	0
Midwest Mini Storage	GMSG-472	11/11/05	1:57 PM	28.65	53	0	--	--	--	0
Midwest Mini Storage	GMSG-472	02/24/06	8:53 AM	29.03	6	0	--	--	--	0
Midwest Mini Storage	GMSG-472	04/03/06	11:34 AM	28.60	42	0	--	--	--	0
Midwest Mini Storage	GMSG-472	07/06/06	11:06 AM	29.03	79	0	--	--	--	0
Midwest Mini Storage	GMSG-472	10/02/06	1:02 PM	28.63	78	0	--	--	--	0
Midwest Mini Storage	GMSG-472	10/09/06	11:10 AM	29.14	47	0	--	--	--	0
Midwest Mini Storage	GMSG-472	01/02/07	2:02 PM	28.83	40	0	--	--	--	0
Midwest Mini Storage	GMSG-472	04/02/07	2:52 PM	28.69	48	0	--	--	--	0
Midwest Mini Storage	GMSG-472	07/17/07	2:00 PM	29.92	82	0	--	--	--	0
Midwest Mini Storage	GMSG-472	10/18/07	3:00 PM	29.16	66	0	--	--	--	0
Midwest Mini Storage	GMSG-472	01/04/08	11:14 AM	30.04	20	0	--	--	--	0
Midwest Mini Storage	GMSG-472	04/24/08	10:03 AM	30.11	63	0	--	--	--	0
Midwest Mini Storage	GMSG-472	07/10/08	1:41 PM	29.92	75	T	--	--	--	0
Midwest Mini Storage	GMSG-472	10/13/08	1:40 PM	30.04	75	0	--	--	--	0
Midwest Mini Storage	GMSG-472	01/27/09	1:20 PM	28.95	8	0	--	--	--	0
Midwest Mini Storage	GMSG-472	03/31/09	11:33 AM	28.48	38	T	--	--	--	0
Midwest Mini Storage	GMSG-472	07/29/09	10:08 AM	28.54	69	0	--	--	--	0
Midwest Mini Storage	GMSG-472	10/19/09	12:53 PM	28.46	65	0	--	--	--	0
Midwest Mini Storage	GMSG-472	04/23/10	1:38 PM	28.61	67	0	--	--	--	0
Midwest Mini Storage	GMSG-472	10/28/10	11:05 AM	27.88	41	T	--	--	--	0
Midwest Mini Storage	GMSG-472	07/09/11	5:56 PM	28.58	80	0	--	--	--	0
Midwest Mini Storage	GMSG-472	11/01/12	3:08 PM	28.54	41	0	--	--	--	0
Midwest Mini Storage	GMSG-472	11/10/13	3:10 PM	28.89	39	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Midwest Mini Storage	GMSG-472	08/13/14	3:21 PM	28.76	73	0	--	--	--	0
Midwest Mini Storage	GMSG-472	08/08/15	8:32 AM	28.75	65	0	--	--	--	0
Midwest Mini Storage	GMSG-473	07/22/05	1:46 PM	28.93	84	0	--	--	--	0
Midwest Mini Storage	GMSG-473	07/25/05	9:35 AM	28.73	85	0	--	--	--	0
Midwest Mini Storage	GMSG-473	08/01/05	12:30 PM	28.85	85	0	--	--	--	0
Midwest Mini Storage	GMSG-473	09/12/05	10:01 AM	28.77	83	0	--	--	--	0
Midwest Mini Storage	GMSG-473	10/10/05	2:45 PM	28.96	63	0	--	--	--	0
Midwest Mini Storage	GMSG-473	11/11/05	1:53 PM	28.65	53	0	--	--	--	0
Midwest Mini Storage	GMSG-473	02/22/06	2:31 PM	28.48	31	0	--	--	--	0
Midwest Mini Storage	GMSG-473	04/03/06	11:39 AM	28.60	42	0	--	--	--	0
Midwest Mini Storage	GMSG-473	07/06/06	11:21 AM	29.03	79	0	--	--	--	0
Midwest Mini Storage	GMSG-473	10/02/06	1:08 PM	28.63	78	0	--	--	--	0
Midwest Mini Storage	GMSG-473	10/09/06	11:31 AM	29.13	48	0	--	--	--	0
Midwest Mini Storage	GMSG-473	01/02/07	2:07 PM	28.83	40	0	--	--	--	0
Midwest Mini Storage	GMSG-473	04/02/07	3:01 PM	28.69	48	0	--	--	--	0
Midwest Mini Storage	GMSG-473	07/17/07	1:45 PM	29.92	82	0	--	--	--	0
Midwest Mini Storage	GMSG-473	10/18/07	3:13 PM	29.16	66	0	--	--	--	0
Midwest Mini Storage	GMSG-473	01/04/08	11:34 AM	30.01	25	0	--	--	--	0
Midwest Mini Storage	GMSG-473	04/24/08	10:12 AM	30.11	63	0	--	--	--	0
Midwest Mini Storage	GMSG-473	07/10/08	1:49 PM	29.92	75	T	--	--	--	0
Midwest Mini Storage	GMSG-473	10/13/08	1:32 PM	30.04	75	0	--	--	--	0
Midwest Mini Storage	GMSG-473	01/27/09	1:26 PM	28.95	8	0	--	--	--	0
Midwest Mini Storage	GMSG-473	03/31/09	11:24 AM	28.53	37	T	--	--	--	0
Midwest Mini Storage	GMSG-473	07/29/09	10:04 AM	28.54	69	0	--	--	--	0
Midwest Mini Storage	GMSG-473	10/19/09	1:01 PM	28.46	65	0	--	--	--	0
Midwest Mini Storage	GMSG-473	04/23/10	1:45 PM	28.61	67	0	--	--	--	0
Midwest Mini Storage	GMSG-473	10/28/10	11:01 AM	27.88	41	T	--	--	--	0
Midwest Mini Storage	GMSG-473	07/09/11	6:37 PM	28.58	77	0	--	--	--	0
Midwest Mini Storage	GMSG-473	11/01/12	3:21 PM	28.54	41	0	--	--	--	0
Midwest Mini Storage	GMSG-473	11/10/13	3:05 PM	28.89	39	0	--	--	--	0
Midwest Mini Storage	GMSG-473	08/13/14	3:34 PM	28.77	71	0	--	--	--	0
Midwest Mini Storage	GMSG-473	08/08/15	8:49 AM	28.75	65	0	--	--	--	0
Midwest Mini Storage	GMSG-474	07/19/05	3:16 PM	28.78	81	0	--	--	--	0
Midwest Mini Storage	GMSG-474	07/22/05	1:43 PM	28.93	84	0	--	--	--	0
Midwest Mini Storage	GMSG-474	07/25/05	9:31 AM	28.73	85	0	--	--	--	0
Midwest Mini Storage	GMSG-474	08/01/05	12:34 PM	28.85	85	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Midwest Mini Storage	GMSG-474	09/12/05	10:03 AM	28.77	83	0	--	--	--	0
Midwest Mini Storage	GMSG-474	10/10/05	2:40 PM	28.96	63	0	--	--	--	0
Midwest Mini Storage	GMSG-474	11/11/05	1:48 PM	28.65	53	0	--	--	--	0
Midwest Mini Storage	GMSG-474	03/03/06	1:29 PM	29.14	27	0	--	--	--	0
Midwest Mini Storage	GMSG-474	04/03/06	11:42 AM	28.60	42	0	--	--	--	0
Midwest Mini Storage	GMSG-474	07/06/06	11:16 AM	29.03	79	0	--	--	--	0
Midwest Mini Storage	GMSG-474	10/02/06	1:10 PM	28.63	78	0	--	--	--	0
Midwest Mini Storage	GMSG-474	10/09/06	11:27 AM	29.14	47	0	--	--	--	0
Midwest Mini Storage	GMSG-474	01/02/07	2:10 PM	28.83	40	0	--	--	--	0
Midwest Mini Storage	GMSG-474	04/02/07	3:05 PM	28.69	48	0	--	--	--	0
Midwest Mini Storage	GMSG-474	07/17/07	1:48 PM	29.92	82	0	--	--	--	0
Midwest Mini Storage	GMSG-474	10/18/07	3:09 PM	29.16	66	0	--	--	--	0
Midwest Mini Storage	GMSG-474	01/04/08	11:30 AM	30.01	25	0	--	--	--	0
Midwest Mini Storage	GMSG-474	04/24/08	10:09 AM	30.11	63	0	--	--	--	0
Midwest Mini Storage	GMSG-474	07/10/08	1:52 PM	29.92	75	T	--	--	--	0
Midwest Mini Storage	GMSG-474	10/13/08	1:34 PM	30.04	75	0	--	--	--	0
Midwest Mini Storage	GMSG-474	01/27/09	1:38 PM	28.93	10	0	--	--	--	0
Midwest Mini Storage	GMSG-474	03/31/09	11:27 AM	28.53	37	T	--	--	--	0
Midwest Mini Storage	GMSG-474	07/29/09	9:58 AM	28.54	69	0	--	--	--	0
Midwest Mini Storage	GMSG-474	10/19/09	12:59 PM	28.46	65	0	--	--	--	0
Midwest Mini Storage	GMSG-474	04/23/10	1:46 PM	28.61	67	0	--	--	--	0
Midwest Mini Storage	GMSG-474	10/28/10	10:59 AM	27.88	41	T	--	--	--	0
Midwest Mini Storage	GMSG-474	07/09/11	6:40 PM	28.58	77	0	--	--	--	0
Midwest Mini Storage	GMSG-474	11/01/12	3:23 PM	28.54	41	0	--	--	--	0
Midwest Mini Storage	GMSG-474	11/10/13	3:10 PM	28.89	39	0	--	--	--	0
Midwest Mini Storage	GMSG-474	08/13/14	3:29 PM	28.76	73	0	--	--	--	0
Midwest Mini Storage	GMSG-474	08/08/15	8:48 AM	28.75	65	0	--	--	--	0
Midwest Mini Storage	GMSG-475	07/22/05	1:40 PM	28.93	84	0	--	--	--	0
Midwest Mini Storage	GMSG-475	07/25/05	9:29 AM	28.75	80	0	--	--	--	0
Midwest Mini Storage	GMSG-475	08/01/05	12:38 PM	28.85	85	0	--	--	--	0
Midwest Mini Storage	GMSG-475	09/12/05	10:06 AM	28.77	83	0	--	--	--	0
Midwest Mini Storage	GMSG-475	10/10/05	2:35 PM	28.96	63	0	--	--	--	0
Midwest Mini Storage	GMSG-475	11/11/05	1:45 PM	28.65	53	0	--	--	--	0
Midwest Mini Storage	GMSG-475	02/22/06	3:09 PM	28.48	31	0	--	--	--	0
Midwest Mini Storage	GMSG-475	04/03/06	11:45 AM	28.60	42	0	--	--	--	0
Midwest Mini Storage	GMSG-475	07/06/06	11:12 AM	29.03	79	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Midwest Mini Storage	GMSG-475	10/02/06	1:13 PM	28.63	78	0	--	--	--	0
Midwest Mini Storage	GMSG-475	10/09/06	11:23 AM	29.14	47	0	--	--	--	0
Midwest Mini Storage	GMSG-475	01/02/07	2:13 PM	28.83	40	0	--	--	--	0
Midwest Mini Storage	GMSG-475	04/02/07	3:09 PM	28.69	48	0	--	--	--	0
Midwest Mini Storage	GMSG-475	07/17/07	1:50 PM	29.92	82	0	--	--	--	0
Midwest Mini Storage	GMSG-475	10/18/07	3:04 PM	29.16	66	0	--	--	--	0
Midwest Mini Storage	GMSG-475	01/04/08	11:27 AM	30.04	20	0	--	--	--	0
Midwest Mini Storage	GMSG-475	04/24/08	10:07 AM	30.11	63	0	--	--	--	0
Midwest Mini Storage	GMSG-475	07/10/08	1:55 PM	29.92	75	T	--	--	--	0
Midwest Mini Storage	GMSG-475	10/13/08	1:36 PM	30.04	75	0	--	--	--	0
Midwest Mini Storage	GMSG-475	01/27/09	1:42 PM	28.93	10	0	--	--	--	0
Midwest Mini Storage	GMSG-475	03/31/09	11:28 AM	28.53	37	T	--	--	--	0
Midwest Mini Storage	GMSG-475	07/29/09	9:56 AM	28.54	69	0	--	--	--	0
Midwest Mini Storage	GMSG-475	10/19/09	12:56 PM	28.46	65	0	--	--	--	0
Midwest Mini Storage	GMSG-475	04/23/10	1:48 PM	28.61	67	0	--	--	--	0
Midwest Mini Storage	GMSG-475	10/28/10	10:57 AM	27.88	41	T	--	--	--	0
Midwest Mini Storage	GMSG-475	07/09/11	6:43 PM	28.58	77	0	--	--	--	0
Midwest Mini Storage	GMSG-475	11/01/12	3:26 PM	28.54	41	0	--	--	--	0
Midwest Mini Storage	GMSG-475	11/10/13	3:10 PM	28.89	39	0	--	--	--	0
Midwest Mini Storage	GMSG-475	08/13/14	3:25 PM	28.76	73	0	--	--	--	0
Midwest Mini Storage	GMSG-475	08/08/15	8:44 AM	28.75	65	0	--	--	--	0
Midwest Mini Storage	GMSG-478	07/22/05	1:51 PM	28.93	84	0	--	--	--	0
Midwest Mini Storage	GMSG-478	07/25/05	9:18 AM	28.75	80	0	--	--	--	0
Midwest Mini Storage	GMSG-478	08/01/05	12:42 PM	28.85	85	0	--	--	--	0
Midwest Mini Storage	GMSG-478	09/12/05	9:48 AM	28.77	83	0	--	--	--	0
Midwest Mini Storage	GMSG-478	10/10/05	1:10 PM	28.98	61	0	--	--	--	0
Midwest Mini Storage	GMSG-478	11/11/05	2:13 PM	28.65	53	0	--	--	--	0
Midwest Mini Storage	GMSG-478	02/22/06	10:44 AM	28.51	28	0	--	--	--	0
Midwest Mini Storage	GMSG-478	04/03/06	11:14 AM	28.59	41	0	--	--	--	0
Midwest Mini Storage	GMSG-478	07/06/06	11:51 AM	29.03	81	0	--	--	--	0
Midwest Mini Storage	GMSG-478	10/02/06	12:42 PM	28.63	78	0	--	--	--	0
Midwest Mini Storage	GMSG-478	01/02/07	12:02 PM	28.89	37	0	--	--	--	0
Midwest Mini Storage	GMSG-478	04/02/07	3:29 PM	28.69	48	0	--	--	--	0
Midwest Mini Storage	GMSG-478	07/17/07	1:35 PM	29.92	82	0	--	--	--	0
Midwest Mini Storage	GMSG-478	10/18/07	2:37 PM	29.16	66	0	--	--	--	0
Midwest Mini Storage	GMSG-478	01/04/08	10:42 AM	30.04	20	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Midwest Mini Storage	GMSG-478	04/24/08	9:45 AM	30.11	63	0	--	--	--	0
Midwest Mini Storage	GMSG-478	07/10/08	12:05 PM	29.94	74	0	--	--	--	0
Midwest Mini Storage	GMSG-478	10/13/08	1:19 PM	30.07	74	0	--	--	--	0
Midwest Mini Storage	GMSG-478	01/27/09	11:45 AM	28.98	4	0	--	--	--	0
Midwest Mini Storage	GMSG-478	03/31/09	11:06 AM	28.53	37	T	--	--	--	0
Midwest Mini Storage	GMSG-478	07/29/09	10:33 AM	28.54	71	0	--	--	--	0
Midwest Mini Storage	GMSG-478	10/19/09	12:34 PM	28.46	65	0	--	--	--	0
Midwest Mini Storage	GMSG-478	04/23/10	1:33 PM	28.61	67	0	--	--	--	0
Midwest Mini Storage	GMSG-478	10/28/10	11:26 AM	27.88	41	T	--	--	--	0
Midwest Mini Storage	GMSG-478	07/09/11	5:40 PM	28.58	80	0	--	--	--	0
Midwest Mini Storage	GMSG-478	11/01/12	2:54 PM	28.54	41	0	--	--	--	0
Midwest Mini Storage	GMSG-478	11/10/13	3:00 PM	28.89	39	0	--	--	--	0
Midwest Mini Storage	GMSG-478	08/13/14	3:06 PM	28.76	73	0	--	--	--	0
Midwest Mini Storage	GMSG-478	08/08/15	9:05 AM	28.75	65	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	10/10/06	4:19 PM	28.71	51	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	10/20/06	3:09 PM	28.54	44	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	10/25/06	2:15 PM	28.95	44	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	11/15/06	1:25 PM	28.74	42	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	12/19/06	12:19 PM	29.00	37	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	02/01/07	11:30 AM	28.38	15	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	04/05/07	3:06 PM	28.87	25	T	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	07/19/07	2:25 PM	30.03	66	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	10/17/07	2:14 PM	29.86	58	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	01/16/08	10:24 AM	29.97	22	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	04/14/08	10:45 AM	30.26	42	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	07/09/08	9:14 AM	29.88	67	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	10/21/08	3:59 PM	30.40	43	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	01/05/09	2:54 PM	28.59	11	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	04/02/09	11:19 AM	28.47	37	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	07/31/09	9:04 AM	28.64	63	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	10/23/09	11:20 AM	28.42	35	0.04	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	04/19/10	2:01 PM	28.91	63	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	11/03/10	1:08 PM	28.48	55	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	07/08/11	12:38 PM	28.63	82	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	10/22/12	2:40 PM	28.72	63	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	11/04/13	4:57 PM	28.72	45	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Nadiya's Bridal Shop and Alterations	GMSG-634	08/12/14	10:06 AM	28.63	56	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-634	08/07/15	12:04 PM	28.64	63	T	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	10/10/06	4:25 PM	28.71	51	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	10/20/06	3:13 PM	28.54	44	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	10/25/06	2:19 PM	28.95	44	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	11/15/06	1:22 PM	28.74	42	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	12/19/06	12:23 PM	29.00	37	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	02/01/07	11:34 AM	28.38	15	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	04/05/07	3:01 PM	28.87	25	T	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	07/19/07	2:20 PM	30.03	66	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	10/17/07	2:17 PM	29.86	58	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	01/16/08	10:18 AM	29.97	22	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	04/14/08	10:50 AM	30.26	42	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	07/09/08	9:17 AM	29.88	67	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	10/21/08	3:54 PM	30.40	43	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	01/05/09	2:42 PM	28.59	11	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	04/02/09	11:22 AM	28.47	37	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	07/31/09	9:00 AM	28.64	63	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	10/23/09	11:25 AM	28.42	35	0.04	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	04/19/10	2:04 PM	28.91	63	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	11/03/10	1:05 PM	28.48	55	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	07/08/11	12:28 PM	28.63	81	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	10/22/12	2:43 PM	28.72	63	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	11/04/13	3:04 PM	28.71	48	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	08/12/14	9:58 AM	28.63	56	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-635	08/07/15	12:10 PM	28.64	63	T	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	10/10/06	4:27 PM	28.71	51	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	10/20/06	3:15 PM	28.54	44	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	10/25/06	2:21 PM	28.95	44	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	11/15/06	1:20 PM	28.74	42	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	12/19/06	12:25 PM	29.00	37	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	02/01/07	11:35 AM	28.38	15	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	04/05/07	2:59 PM	28.87	25	T	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	07/19/07	2:18 PM	30.03	66	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	10/17/07	2:21 PM	29.86	58	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	01/16/08	10:15 AM	29.97	22	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Nadiya's Bridal Shop and Alterations	GMSG-636	04/14/08	10:53 AM	30.26	42	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	07/09/08	9:18 AM	29.88	67	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	10/21/08	3:53 PM	30.40	43	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	01/05/09	2:45 PM	28.59	11	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	04/02/09	11:24 AM	28.47	37	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	07/31/09	9:02 AM	28.64	63	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	10/23/09	11:27 AM	28.42	35	0.04	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	04/19/10	2:06 PM	28.91	63	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	11/03/10	1:03 PM	28.48	55	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	07/08/11	12:25 PM	28.63	81	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	10/22/12	2:45 PM	28.72	63	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	11/04/13	3:05 PM	28.71	48	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	08/12/14	9:53 AM	28.63	56	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-636	08/07/15	12:07 PM	28.64	63	T	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	10/10/06	4:23 PM	28.71	51	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	10/20/06	3:11 PM	28.54	44	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	10/25/06	2:17 PM	28.95	44	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	11/15/06	1:23 PM	28.74	42	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	12/19/06	12:21 PM	29.00	37	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	02/01/07	11:31 AM	28.38	15	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	04/05/07	3:03 PM	28.87	25	T	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	07/19/07	2:22 PM	30.03	66	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	10/17/07	2:10 PM	29.86	58	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	01/16/08	10:21 AM	29.97	22	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	04/14/08	10:48 AM	30.26	42	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	07/09/08	9:16 AM	29.88	67	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	10/21/08	3:56 PM	30.40	43	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	01/05/09	2:49 PM	28.59	11	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	04/02/09	11:21 AM	28.47	37	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	07/31/09	8:59 AM	28.64	63	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	10/23/09	11:22 AM	28.42	35	0.04	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	04/19/10	2:03 PM	28.91	63	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	11/03/10	1:06 PM	28.48	55	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	07/08/11	12:31 PM	28.63	82	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	10/22/12	2:41 PM	28.72	63	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	11/04/13	5:01 PM	28.72	45	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Nadiya's Bridal Shop and Alterations	GMSG-637	08/12/14	10:02 AM	28.63	56	0	--	--	--	0
Nadiya's Bridal Shop and Alterations	GMSG-637	08/07/15	12:01 PM	28.64	63	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-61	02/13/02	1:46 PM	28.78	33	0	0	0	20.4	--
NLJ Physical Therapy Center	GMSG-61	02/16/02	1:30 PM	28.59	32	0	0	0.1	19.7	--
NLJ Physical Therapy Center	GMSG-61	03/01/02	3:00 PM	29.07	19	0	0	0	20.2	--
NLJ Physical Therapy Center	GMSG-61	03/12/02	10:45 AM	28.76	29	0	0	0	20.2	--
NLJ Physical Therapy Center	GMSG-61	04/15/02	9:50 AM	28.49	74	0	0	0.4	19.7	--
NLJ Physical Therapy Center	GMSG-61	05/16/02	11:25 AM	28.73	44	0	0	0	20.8	--
NLJ Physical Therapy Center	GMSG-61	09/30/02	2:10 PM	28.55	73	0	0	2.8	17.6	0
NLJ Physical Therapy Center	GMSG-61	11/20/02	2:39 PM	28.69	32	T	0	0.9	18.9	0
NLJ Physical Therapy Center	GMSG-61	01/28/03	2:10 PM	28.75	23	T	0	0.4	19.2	0
NLJ Physical Therapy Center	GMSG-61	04/21/03	11:13 AM	28.48	40	T	0	0.4	19.1	0
NLJ Physical Therapy Center	GMSG-61	07/22/03	10:46 AM	28.82	65	0	0	1.4	18.3	0
NLJ Physical Therapy Center	GMSG-61	11/03/03	11:25 AM	29.05	35	0	0	1.1	18.5	0
NLJ Physical Therapy Center	GMSG-61	01/20/04	2:27 PM	29.02	14	0	0	0.2	18.8	0
NLJ Physical Therapy Center	GMSG-61	04/17/04	3:37 PM	28.91	66	0	0	0.3	17.5	0
NLJ Physical Therapy Center	GMSG-61	07/13/04	1:12 PM	28.50	79	0	0	1.9	17.3	0
NLJ Physical Therapy Center	GMSG-61	10/28/04	9:00 AM	28.98	46	0	0	0.3	19.4	0
NLJ Physical Therapy Center	GMSG-61	01/25/05	12:16 PM	28.35	25	0	0	0.2	19.9	0
NLJ Physical Therapy Center	GMSG-61	04/02/05	3:01 PM	28.78	52	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61	07/01/05	3:19 PM	28.72	67	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61	10/10/05	5:00 PM	28.96	60	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61	02/22/06	11:51 AM	28.52	28	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61	04/03/06	3:19 PM	28.67	42	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61	07/07/06	3:59 PM	28.96	84	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62	02/13/02	1:52 PM	28.78	33	0	0	0.3	20.2	--
NLJ Physical Therapy Center	GMSG-62	02/16/02	1:25 PM	28.58	32	0	0	0.2	19.6	--
NLJ Physical Therapy Center	GMSG-62	03/01/02	3:06 PM	29.07	19	0	0	0.1	20.3	--
NLJ Physical Therapy Center	GMSG-62	03/12/02	10:36 AM	28.76	29	0	0	0.3	20	--
NLJ Physical Therapy Center	GMSG-62	04/15/02	9:44 AM	28.49	74	0	0	0.4	19.5	--
NLJ Physical Therapy Center	GMSG-62	05/16/02	11:18 AM	28.73	44	0	0	0.5	19.9	--
NLJ Physical Therapy Center	GMSG-62	09/30/02	2:05 PM	28.55	73	0	0	2.6	17.6	0
NLJ Physical Therapy Center	GMSG-62	11/20/02	2:17 PM	28.68	32	0.01	0	0.9	18.8	0
NLJ Physical Therapy Center	GMSG-62	01/28/03	2:17 PM	28.75	23	T	0	0.2	19.4	0
NLJ Physical Therapy Center	GMSG-62	04/21/03	11:09 AM	28.48	40	T	0	0.4	19.3	0
NLJ Physical Therapy Center	GMSG-62	07/22/03	10:40 AM	28.82	65	0	0	2.1	17.3	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
NLJ Physical Therapy Center	GMSG-62	11/03/03	11:20 AM	29.05	35	0	0	1	18.2	0
NLJ Physical Therapy Center	GMSG-62	01/20/04	2:20 PM	29.02	14	0	0	0.4	18.5	0
NLJ Physical Therapy Center	GMSG-62	04/17/04	3:29 PM	28.91	67	0	0	0.3	17.6	0
NLJ Physical Therapy Center	GMSG-62	07/13/04	1:07 PM	28.50	79	0	0	1.2	17.7	0
NLJ Physical Therapy Center	GMSG-62	10/29/04	12:12 PM	28.40	56	0	0	1.2	18.5	0
NLJ Physical Therapy Center	GMSG-62	01/25/05	12:08 PM	28.35	25	0	0	0.3	19.7	0
NLJ Physical Therapy Center	GMSG-62	04/02/05	2:58 PM	28.78	52	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62	07/01/05	3:15 PM	28.72	67	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62	10/10/05	5:00 PM	28.96	60	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62	02/22/06	11:44 AM	28.52	28	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62	04/03/06	3:16 PM	28.67	42	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62	07/07/06	3:54 PM	28.96	84	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	08/11/06	9:01 AM	28.97	64	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	08/18/06	10:09 AM	28.88	74	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	08/25/06	10:31 AM	28.71	61	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	09/06/06	2:46 PM	28.87	73	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	10/03/06	2:42 PM	28.84	70	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	11/15/06	12:47 PM	28.74	42	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	01/17/07	12:14 PM	29.05	23	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	04/02/07	10:01 AM	28.59	40	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	07/18/07	11:24 AM	29.89	79	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	10/22/07	4:12 PM	30.01	51	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	01/07/08	9:15 AM	29.82	32	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	04/24/08	2:11 PM	30.00	62	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	07/14/08	9:13 AM	29.87	66	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	10/14/08	10:17 AM	30.17	49	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	01/27/09	3:13 PM	28.95	9	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	04/01/09	11:35 AM	28.18	34	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	07/29/09	11:35 AM	28.54	71	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	10/19/09	3:28 PM	28.50	66	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	04/27/10	11:15 AM	28.66	50	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	10/27/10	10:46 AM	27.88	41	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	07/10/11	10:42 AM	28.61	76	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	10/31/12	1:59 PM	28.53	40	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	11/09/13	2:10 PM	28.41	39	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-540	08/13/14	9:02 AM	28.75	68	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
NLJ Physical Therapy Center	GMSG-540	08/07/15	10:43 AM	28.64	62	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	08/18/06	10:17 AM	28.88	74	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	08/25/06	10:40 AM	28.71	61	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	09/01/06	12:35 PM	29.05	73	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	10/03/06	2:51 PM	28.84	70	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	11/15/06	12:52 PM	28.74	42	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	12/19/06	12:05 PM	29.00	37	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	01/17/07	12:18 PM	29.05	23	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	04/02/07	10:06 AM	28.59	40	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	07/18/07	11:29 AM	29.89	79	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	10/22/07	4:18 PM	30.01	51	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	01/07/08	9:21 AM	29.82	32	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	04/24/08	2:14 PM	30.00	62	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	07/14/08	9:17 AM	29.87	66	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	10/14/08	10:21 AM	30.17	49	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	01/27/09	3:20 PM	28.95	9	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	04/01/09	11:31 AM	28.18	34	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	07/29/09	11:40 AM	28.54	71	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	10/19/09	3:32 PM	28.53	63	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	04/27/10	11:19 AM	28.66	50	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	10/27/10	10:51 AM	27.88	41	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	07/10/11	10:38 AM	28.61	76	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	10/31/12	1:54 PM	28.53	40	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	11/09/13	2:10 PM	28.41	39	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	08/13/14	9:12 AM	28.75	68	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-541	08/07/15	10:37 AM	28.64	62	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	08/18/06	10:14 AM	28.88	74	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	08/25/06	10:35 AM	28.71	61	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	09/01/06	12:29 PM	29.06	72	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	10/03/06	2:53 PM	28.84	70	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	11/15/06	12:49 PM	28.74	42	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	12/19/06	12:03 PM	29.00	37	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	01/17/07	12:11 PM	29.05	23	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	04/02/07	10:03 AM	28.59	40	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	07/18/07	11:27 AM	29.89	79	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	10/22/07	4:20 PM	30.01	51	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
NLJ Physical Therapy Center	GMSG-61R	01/07/08	9:18 AM	29.82	32	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	04/24/08	2:13 PM	30.00	62	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	07/14/08	9:15 AM	29.87	66	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	10/14/08	10:19 AM	30.17	49	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	01/27/09	3:16 PM	28.95	9	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	04/01/09	11:32 AM	28.18	34	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	07/29/09	11:38 AM	28.54	71	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	10/19/09	3:30 PM	28.53	63	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	04/27/10	11:17 AM	28.66	50	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	10/27/10	10:49 AM	27.88	41	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	07/10/11	10:38 AM	28.61	76	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	10/31/12	1:57 PM	28.53	40	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	11/09/13	2:10 PM	28.41	39	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	08/13/14	9:07 AM	28.75	68	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-61R	08/07/15	10:40 AM	28.64	62	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	08/11/06	8:58 AM	28.97	64	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	08/18/06	10:06 AM	28.88	74	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	08/25/06	10:26 AM	28.71	60	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	09/06/06	2:43 PM	28.87	73	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	10/03/06	2:39 PM	28.84	70	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	11/15/06	12:45 PM	28.74	42	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	01/17/07	12:07 PM	29.05	23	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	04/02/07	9:58 AM	28.59	40	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	07/18/07	11:21 AM	29.89	79	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	10/22/07	4:15 PM	30.01	51	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	01/07/08	9:13 AM	29.82	32	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	04/24/08	2:10 PM	30.00	62	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	07/14/08	9:11 AM	29.87	66	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	10/14/08	10:12 AM	30.17	49	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	01/27/09	3:06 PM	28.95	9	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	04/01/09	11:29 AM	28.18	34	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	07/29/09	11:32 AM	28.54	71	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	10/19/09	3:25 PM	28.50	66	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	04/27/10	11:14 AM	28.66	50	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	10/27/10	10:44 AM	27.88	41	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	07/10/11	10:45 AM	28.61	76	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
NLJ Physical Therapy Center	GMSG-62R	10/31/12	2:03 PM	28.53	40	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	11/09/13	2:10 PM	28.41	39	T	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	08/13/14	8:56 AM	28.75	68	0	--	--	--	0
NLJ Physical Therapy Center	GMSG-62R	08/07/15	10:34 AM	28.64	62	T	--	--	--	0
Northwoods Manufacturing	GMSG-82	07/13/02	11:01 AM	28.80	81	0	0	1.1	19.5	0
Northwoods Manufacturing	GMSG-82	07/22/02	1:42 PM	28.68	82	0	0	1.4	19.2	0
Northwoods Manufacturing	GMSG-82	08/12/02	10:45 AM	28.65	77	0	0	1.4	19.1	0
Northwoods Manufacturing	GMSG-82	09/30/02	1:42 PM	28.55	73	0	0	1	19.5	0
Northwoods Manufacturing	GMSG-82	10/29/02	12:42 PM	28.95	42	0	0	0.5	19.7	0
Northwoods Manufacturing	GMSG-82	11/19/02	1:17 PM	28.53	46	0	0	0.4	19.8	0
Northwoods Manufacturing	GMSG-82	01/30/03	12:37 PM	28.70	30	0	0	0.3	19.8	0
Northwoods Manufacturing	GMSG-82	04/21/03	2:40 PM	28.59	37	T	0	0.4	19.4	0
Northwoods Manufacturing	GMSG-82	08/05/03	12:43 PM	28.70	82	0	0	0.9	17.8	0
Northwoods Manufacturing	GMSG-82	11/03/03	9:40 AM	29.06	35	0	0	0.8	18.4	0
Northwoods Manufacturing	GMSG-82	01/20/04	10:46 AM	29.07	9	0	0	0.4	18.2	0
Northwoods Manufacturing	GMSG-82	04/18/04	1:05 PM	28.50	50	0	0	0.2	17.2	0
Northwoods Manufacturing	GMSG-82	07/14/04	4:44 PM	28.67	77	0	0	0.6	18.4	0
Northwoods Manufacturing	GMSG-82	10/31/04	1:06 PM	--	--	--	0	0.5	19.5	0
Northwoods Manufacturing	GMSG-82	02/01/05	3:34 PM	29.11	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	04/05/05	10:33 AM	28.58	65	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	07/01/05	11:50 AM	28.68	63	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	10/17/05	3:40 PM	28.41	62	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	03/14/06	11:39 AM	28.59	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	04/14/06	2:26 PM	28.35	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	07/14/06	2:16 PM	28.65	83	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	10/25/06	3:09 PM	28.95	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	02/01/07	3:49 PM	28.37	19	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	04/17/07	11:29 AM	28.84	51	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	07/20/07	11:28 AM	30.24	68	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	10/19/07	8:45 AM	28.98	53	T	--	--	--	0
Northwoods Manufacturing	GMSG-82	01/25/08	1:27 PM	30.14	24	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	04/28/08	1:35 PM	30.05	38	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	07/18/08	10:05 AM	29.92	75	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	10/14/08	11:13 AM	30.18	51	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	04/21/09	12:12 PM	28.23	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-82	07/29/09	1:32 PM	28.56	71	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-82	11/03/09	1:31 PM	28.95	41	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	04/26/10	11:09 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	11/02/12	3:10 PM	28.85	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-82	08/11/15	1:04 PM	28.83	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	08/17/05	10:47 AM	28.89	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	08/26/05	2:27 PM	28.67	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	09/01/05	1:22 PM	28.58	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	09/09/05	2:44 PM	28.87	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	10/17/05	3:41 PM	28.41	62	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	11/14/05	11:26 AM	29.06	34	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	12/13/05	3:37 PM	28.88	23	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	03/14/06	11:51 AM	28.59	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	04/14/06	2:28 PM	28.35	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	07/14/06	2:09 PM	28.65	83	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	10/25/06	3:12 PM	28.95	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	02/01/07	3:50 PM	28.37	19	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	04/17/07	11:24 AM	28.84	51	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	07/20/07	11:25 AM	30.24	68	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	10/19/07	8:46 AM	28.98	53	T	--	--	--	0
Northwoods Manufacturing	GMSG-82B	01/25/08	1:25 PM	30.14	24	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	04/28/08	1:36 PM	30.05	38	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	04/21/09	12:16 PM	28.23	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-82B	11/03/09	1:18 PM	28.96	41	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	04/26/10	11:06 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-82B	11/02/12	3:19 PM	28.85	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	08/17/05	10:49 AM	28.89	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	08/26/05	2:30 PM	28.66	77	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	09/01/05	1:24 PM	28.58	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	09/09/05	2:46 PM	28.87	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	10/17/05	3:43 PM	28.41	62	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	11/14/05	11:27 AM	29.06	34	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	12/13/05	3:39 PM	28.88	23	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	03/14/06	11:53 AM	28.59	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	04/14/06	2:29 PM	28.35	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	07/14/06	2:11 PM	28.65	83	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	10/25/06	3:14 PM	28.95	46	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-82C	02/01/07	3:51 PM	28.37	19	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	04/17/07	11:25 AM	28.84	51	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	07/20/07	11:26 AM	30.24	68	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	10/19/07	8:47 AM	28.98	53	T	--	--	--	0
Northwoods Manufacturing	GMSG-82C	01/25/08	1:26 PM	30.14	24	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	04/28/08	1:38 PM	30.05	38	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	04/21/09	12:18 PM	28.23	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-82C	11/03/09	1:19 PM	28.96	41	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	04/26/10	11:07 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-82C	11/02/12	3:20 PM	28.85	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	07/13/02	11:15 AM	28.80	81	0	0	1	19.5	0
Northwoods Manufacturing	GMSG-87	07/22/02	1:45 PM	28.68	82	0	0	1.1	19.5	0
Northwoods Manufacturing	GMSG-87	08/12/02	11:00 AM	28.65	77	0	0	1.1	19.4	0
Northwoods Manufacturing	GMSG-87	09/30/02	1:50 PM	28.55	73	0	0	0.6	19.6	0
Northwoods Manufacturing	GMSG-87	10/29/02	12:50 PM	28.95	42	0	0	0.5	19.7	0
Northwoods Manufacturing	GMSG-87	11/19/02	1:25 PM	28.53	46	0	0	0.3	19.8	0
Northwoods Manufacturing	GMSG-87	01/30/03	12:48 PM	28.70	30	0	0	0.3	19.4	0
Northwoods Manufacturing	GMSG-87	04/24/03	12:03 PM	28.77	63	0	0	0.2	19.5	0
Northwoods Manufacturing	GMSG-87	08/05/03	12:35 PM	28.70	82	0	0	0.8	18	0
Northwoods Manufacturing	GMSG-87	11/03/03	9:55 AM	29.06	35	0	0	0.5	18.6	0
Northwoods Manufacturing	GMSG-87	01/29/04	11:20 AM	28.79	-1	0	0	0.2	19.1	0
Northwoods Manufacturing	GMSG-87	04/18/04	1:12 PM	28.50	50	0	0	0.4	17	0
Northwoods Manufacturing	GMSG-87	07/14/04	4:50 PM	28.67	77	0	0	0.2	19.3	0
Northwoods Manufacturing	GMSG-87	10/31/04	11:20 AM	--	--	--	0	0.7	19	0
Northwoods Manufacturing	GMSG-87	02/22/05	11:45 AM	28.94	24	T	--	--	--	0
Northwoods Manufacturing	GMSG-87	07/07/05	8:10 AM	28.97	68	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	10/17/05	3:50 PM	28.41	62	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	03/14/06	3:26 PM	28.63	25	T	--	--	--	0
Northwoods Manufacturing	GMSG-87	04/14/06	2:38 PM	28.36	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	07/14/06	2:23 PM	28.65	83	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	10/10/06	9:40 AM	28.95	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	02/08/07	1:34 PM	28.76	18	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	04/09/07	9:34 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	07/20/07	11:52 AM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	10/19/07	9:27 AM	28.98	53	T	--	--	--	0
Northwoods Manufacturing	GMSG-87	01/25/08	2:05 PM	30.11	26	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-87	04/28/08	12:35 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	07/16/08	10:49 AM	30.12	82	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	10/14/08	11:09 AM	30.18	51	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	01/29/09	4:15 PM	28.48	15	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	04/21/09	1:05 PM	28.25	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-87	07/29/09	1:39 PM	28.56	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	10/20/09	9:46 AM	28.82	44	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	04/26/10	11:32 AM	28.43	60	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	11/08/10	3:24 PM	28.61	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	07/10/11	2:56 PM	28.59	87	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	10/29/12	2:40 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-87	11/24/15	4:15 PM	28.97	34	--	--	--	--	0
Northwoods Manufacturing	GMSG-87B	08/17/05	10:55 AM	28.89	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	08/26/05	2:35 PM	28.66	77	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	09/01/05	1:27 PM	28.58	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	09/09/05	2:50 PM	28.87	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	10/17/05	3:53 PM	28.41	62	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	11/28/05	10:50 AM	28.19	44	0.05	--	--	--	0
Northwoods Manufacturing	GMSG-87B	03/14/06	3:29 PM	28.63	25	T	--	--	--	0
Northwoods Manufacturing	GMSG-87B	04/14/06	2:39 PM	28.36	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	07/14/06	2:28 PM	28.65	83	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	10/10/06	9:43 AM	28.95	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	02/02/07	9:55 AM	28.32	2	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	04/09/07	9:37 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	07/20/07	11:54 AM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	10/19/07	9:30 AM	28.98	53	T	--	--	--	0
Northwoods Manufacturing	GMSG-87B	01/25/08	2:08 PM	30.11	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	04/28/08	12:36 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	07/16/08	10:50 AM	30.12	82	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	10/14/08	11:08 AM	30.18	51	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	01/29/09	4:20 PM	28.48	15	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	04/21/09	1:07 PM	28.25	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-87B	07/29/09	1:41 PM	28.56	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	10/20/09	9:47 AM	28.82	44	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	04/26/10	11:33 AM	28.43	60	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-87B	11/08/10	3:25 PM	28.61	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	07/10/11	2:57 PM	28.59	87	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	10/29/12	2:41 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-87B	11/24/15	4:13 PM	28.97	34		--	--	--	0
Northwoods Manufacturing	GMSG-488A	08/17/05	10:38 AM	28.89	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	08/26/05	2:02 PM	28.67	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	09/01/05	1:04 PM	28.58	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	09/09/05	1:45 PM	28.88	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	10/13/05	2:05 PM	28.79	59	T	--	--	--	0
Northwoods Manufacturing	GMSG-488A	11/14/05	11:19 AM	29.06	34	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	12/13/05	3:18 PM	28.88	24	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	03/02/06	12:58 PM	28.75	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	04/14/06	2:13 PM	28.35	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	07/13/06	3:28 PM	28.76	93	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	10/16/06	11:21 AM	28.66	45	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-488A	02/01/07	3:05 PM	28.37	19	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	04/09/07	9:28 AM	28.86	28	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	07/20/07	11:59 AM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	10/19/07	11:01 AM	28.98	54	T	--	--	--	0
Northwoods Manufacturing	GMSG-488A	01/25/08	1:05 PM	30.14	24	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	04/28/08	12:25 PM	30.06	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	07/18/08	9:37 AM	29.92	75	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	10/14/08	2:27 PM	30.13	56	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	01/28/09	2:00 PM	28.46	13	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	04/21/09	11:50 AM	28.23	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-488A	10/20/09	11:26 AM	28.85	45	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	04/26/10	10:57 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	07/10/11	3:34 PM	28.58	88	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	10/29/12	2:23 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	09/30/14	1:13 PM	28.79	54	0	--	--	--	0
Northwoods Manufacturing	GMSG-488A	11/24/15	3:39 PM	28.97	34		--	--	--	0
Northwoods Manufacturing	GMSG-488B	08/17/05	10:40 AM	28.89	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	08/26/05	2:04 PM	28.67	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	09/01/05	1:06 PM	28.58	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	09/09/05	1:47 PM	28.88	78	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-488B	10/13/05	2:06 PM	28.79	59	T	--	--	--	0
Northwoods Manufacturing	GMSG-488B	11/14/05	11:20 AM	29.06	34	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	12/13/05	3:20 PM	28.88	24	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	03/02/06	1:00 PM	28.75	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	04/14/06	2:14 PM	28.35	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	07/13/06	3:30 PM	28.75	91	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	10/16/06	11:22 AM	28.66	45	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-488B	02/01/07	3:04 PM	28.37	19	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	04/09/07	9:29 AM	28.86	28	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	07/20/07	12:00 PM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	10/19/07	11:02 AM	28.98	54	T	--	--	--	0
Northwoods Manufacturing	GMSG-488B	01/25/08	1:06 PM	30.14	24	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	04/28/08	12:26 PM	30.06	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	07/18/08	9:38 AM	29.92	75	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	10/14/08	2:28 PM	30.13	56	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	01/28/09	2:01 PM	28.46	13	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	04/21/09	11:53 AM	28.23	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-488B	10/20/09	11:27 AM	28.85	45	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	04/26/10	10:58 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	07/10/11	3:35 PM	28.58	88	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	10/29/12	2:24 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	09/30/14	1:14 PM	28.79	54	0	--	--	--	0
Northwoods Manufacturing	GMSG-488B	11/24/15	3:40 PM	28.97	34		--	--	--	0
Northwoods Manufacturing	GMSG-488C	08/17/05	10:42 AM	28.89	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	08/26/05	2:07 PM	28.67	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	09/01/05	1:09 PM	28.58	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	09/09/05	1:51 PM	28.88	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	10/13/05	2:07 PM	28.79	59	T	--	--	--	0
Northwoods Manufacturing	GMSG-488C	11/14/05	11:21 AM	29.06	34	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	12/13/05	3:22 PM	28.88	24	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	03/02/06	1:03 PM	28.75	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	04/14/06	2:15 PM	28.35	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	07/13/06	3:32 PM	28.75	91	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	10/16/06	11:24 AM	28.66	45	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-488C	02/01/07	3:06 PM	28.37	19	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	04/09/07	9:30 AM	28.85	31	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-488C	07/20/07	12:01 PM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	10/19/07	11:03 AM	28.98	54	T	--	--	--	0
Northwoods Manufacturing	GMSG-488C	01/25/08	1:07 PM	30.14	24	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	04/28/08	12:27 PM	30.06	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	07/18/08	9:39 AM	29.92	75	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	10/14/08	2:29 PM	30.13	56	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	01/28/09	2:02 PM	28.46	13	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	04/21/09	11:55 AM	28.23	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-488C	10/20/09	11:28 AM	28.85	45	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	04/26/10	10:59 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	07/10/11	3:36 PM	28.58	88	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	10/29/12	2:25 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	09/30/14	1:15 PM	28.79	54	0	--	--	--	0
Northwoods Manufacturing	GMSG-488C	11/24/15	3:41 PM	28.97	34		--	--	--	0
Northwoods Manufacturing	GMSG-489A	08/17/05	3:54 PM	28.82	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	08/26/05	2:12 PM	28.67	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	09/01/05	1:13 PM	28.58	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	09/09/05	2:30 PM	28.87	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	11/14/05	12:02 PM	29.05	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	12/13/05	3:28 PM	28.88	24	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	03/02/06	1:49 PM	28.77	30	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	04/14/06	2:21 PM	28.35	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	07/14/06	1:02 PM	28.67	81	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	10/10/06	10:49 AM	28.91	48	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	02/02/07	9:41 AM	28.32	2	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	04/09/07	9:58 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	07/20/07	11:17 AM	30.24	68	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	10/19/07	8:38 AM	28.98	53	T	--	--	--	0
Northwoods Manufacturing	GMSG-489A	02/06/08	10:42 AM	29.82	20	T	--	--	--	0
Northwoods Manufacturing	GMSG-489A	04/28/08	12:29 PM	30.06	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	07/18/08	9:55 AM	29.92	75	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	10/14/08	2:22 PM	30.13	56	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	01/29/09	3:12 PM	28.46	15	T	--	--	--	0
Northwoods Manufacturing	GMSG-489A	04/21/09	11:40 AM	28.23	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-489A	07/29/09	1:24 PM	28.55	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	10/20/09	9:55 AM	28.82	44	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-489A	04/26/10	11:02 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	11/08/10	2:53 PM	28.61	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	11/02/12	2:57 PM	28.85	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	11/13/13	11:40 AM	28.71	43	0	--	--	--	0
Northwoods Manufacturing	GMSG-489A	08/11/15	12:54 PM	28.83	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	08/17/05	3:55 PM	28.82	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	08/26/05	2:14 PM	28.67	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	09/01/05	1:15 PM	28.58	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	09/09/05	2:32 PM	28.87	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	11/14/05	12:03 PM	29.05	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	12/13/05	3:30 PM	28.88	23	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	03/02/06	1:52 PM	28.77	30	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	04/14/06	2:22 PM	28.35	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	07/14/06	1:04 PM	28.67	81	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	10/10/06	10:51 AM	28.91	48	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	02/02/07	9:42 AM	28.32	2	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	04/09/07	9:54 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	07/20/07	11:18 AM	30.24	68	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	10/19/07	8:39 AM	28.98	53	T	--	--	--	0
Northwoods Manufacturing	GMSG-489B	02/06/08	10:43 AM	29.82	20	T	--	--	--	0
Northwoods Manufacturing	GMSG-489B	04/28/08	12:30 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	07/18/08	9:56 AM	29.92	75	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	10/14/08	2:23 PM	30.13	56	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	01/29/09	3:13 PM	28.46	15	T	--	--	--	0
Northwoods Manufacturing	GMSG-489B	04/21/09	11:43 AM	28.23	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-489B	07/29/09	1:27 PM	28.55	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	10/20/09	9:56 AM	28.82	44	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	04/26/10	11:03 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	11/08/10	2:54 PM	28.61	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	11/02/12	2:58 PM	28.85	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	11/13/13	11:40 AM	28.71	43	0	--	--	--	0
Northwoods Manufacturing	GMSG-489B	08/11/15	12:56 PM	28.83	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	08/17/05	3:57 PM	28.82	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	08/26/05	2:17 PM	28.67	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	09/01/05	1:18 PM	28.58	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	09/09/05	2:34 PM	28.87	78	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-489C	11/14/05	12:05 PM	29.05	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	12/13/05	3:32 PM	28.88	23	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	03/02/06	1:53 PM	28.77	30	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	04/14/06	2:23 PM	28.35	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	07/14/06	1:06 PM	28.67	81	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	10/10/06	10:58 AM	28.91	48	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	02/02/07	9:43 AM	28.32	2	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	04/09/07	9:55 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	07/20/07	11:19 AM	30.24	68	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	10/19/07	8:40 AM	28.98	53	T	--	--	--	0
Northwoods Manufacturing	GMSG-489C	02/06/08	10:44 AM	29.82	20	T	--	--	--	0
Northwoods Manufacturing	GMSG-489C	04/28/08	12:31 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	07/18/08	9:57 AM	29.92	75	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	10/14/08	2:24 PM	30.13	56	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	01/29/09	3:14 PM	28.46	15	T	--	--	--	0
Northwoods Manufacturing	GMSG-489C	04/21/09	11:45 AM	28.23	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-489C	07/29/09	1:25 PM	28.55	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	10/20/09	9:57 AM	28.82	44	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	04/26/10	11:04 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	11/08/10	2:55 PM	28.61	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	11/02/12	2:59 PM	28.85	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	11/13/13	11:40 AM	28.71	43	0	--	--	--	0
Northwoods Manufacturing	GMSG-489C	08/11/15	12:58 PM	28.83	72	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	08/26/05	3:29 PM	28.66	77	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	09/01/05	1:32 PM	28.57	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	09/09/05	1:56 PM	28.88	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	10/14/05	1:43 PM	28.62	68	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	11/14/05	11:37 AM	29.05	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	12/15/05	12:40 PM	28.42	32	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	03/02/06	1:26 PM	28.75	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	04/18/06	1:09 PM	28.83	63	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	07/14/06	11:58 AM	28.67	74	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-501A	10/31/06	3:06 PM	28.66	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	02/07/07	3:31 PM	28.79	15	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	04/09/07	10:14 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	07/20/07	11:48 AM	30.21	69	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-501A	10/19/07	8:31 AM	28.98	53	T	--	--	--	0
Northwoods Manufacturing	GMSG-501A	01/25/08	1:54 PM	30.11	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	04/28/08	1:26 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	07/18/08	10:27 AM	29.92	75	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	10/21/08	11:16 AM	30.44	44	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	01/28/09	2:23 PM	28.46	13	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	04/21/09	12:35 PM	28.25	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-501A	10/20/09	11:36 AM	28.85	45	T	--	--	--	0
Northwoods Manufacturing	GMSG-501A	04/26/10	11:25 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	11/08/10	3:05 PM	28.61	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	10/29/12	2:19 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	11/11/13	2:00 PM	28.97	26	T	--	--	--	0
Northwoods Manufacturing	GMSG-501A	09/30/14	1:25 PM	28.79	54	0	--	--	--	0
Northwoods Manufacturing	GMSG-501A	11/25/15	10:57 AM	28.79	40		--	--	--	0
Northwoods Manufacturing	GMSG-501B	08/26/05	3:31 PM	28.64	76	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	09/01/05	1:34 PM	28.57	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	09/09/05	1:58 PM	28.88	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	10/14/05	1:45 PM	28.62	68	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	11/14/05	11:39 AM	29.05	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	12/15/05	12:41 PM	28.42	32	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	03/02/06	1:28 PM	28.75	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	04/18/06	1:10 PM	28.83	63	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	07/14/06	12:02 PM	28.67	74	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-501B	10/31/06	3:07 PM	28.66	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	02/07/07	3:32 PM	28.79	15	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	04/09/07	10:15 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	07/20/07	11:49 AM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	10/19/07	8:32 AM	28.98	53	T	--	--	--	0
Northwoods Manufacturing	GMSG-501B	01/25/08	1:55 PM	30.11	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	04/28/08	1:27 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	07/18/08	10:28 AM	29.92	75	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	10/21/08	11:17 AM	30.44	44	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	01/28/09	2:24 PM	28.46	13	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	04/21/09	12:37 PM	28.25	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-501B	10/20/09	11:37 AM	28.85	45	T	--	--	--	0
Northwoods Manufacturing	GMSG-501B	04/26/10	11:26 AM	28.44	57	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-501B	11/08/10	3:06 PM	28.61	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	10/29/12	2:20 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	11/11/13	2:00 PM	28.97	26	T	--	--	--	0
Northwoods Manufacturing	GMSG-501B	09/30/14	1:26 PM	28.79	54	0	--	--	--	0
Northwoods Manufacturing	GMSG-501B	11/25/15	10:58 AM	28.79	40		--	--	--	0
Northwoods Manufacturing	GMSG-502A	08/26/05	3:42 PM	28.64	76	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	09/01/05	1:52 PM	28.57	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	09/09/05	2:08 PM	28.88	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	10/14/05	1:30 PM	28.62	68	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	11/14/05	11:49 AM	29.05	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	12/15/05	12:59 PM	28.42	32	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	03/02/06	1:08 PM	28.75	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	04/18/06	1:14 PM	28.83	63	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	07/14/06	11:27 AM	28.68	70	0.11	--	--	--	0
Northwoods Manufacturing	GMSG-502A	10/31/06	3:10 PM	28.66	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	02/07/07	3:08 PM	28.80	16	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	04/09/07	10:02 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	07/20/07	11:31 AM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	10/19/07	8:20 AM	28.98	53	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-502A	01/25/08	1:39 PM	30.11	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	04/28/08	1:13 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	07/18/08	10:39 AM	29.94	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	10/21/08	10:58 AM	30.44	44	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	01/28/09	2:13 PM	28.46	13	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	04/21/09	12:53 PM	28.25	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-502A	07/29/09	1:52 PM	28.56	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	10/20/09	11:47 AM	28.85	45	T	--	--	--	0
Northwoods Manufacturing	GMSG-502A	04/26/10	11:11 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	07/10/11	3:08 PM	28.59	87	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	10/29/12	2:06 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	12/30/14	2:51 PM	29.18	7	0	--	--	--	0
Northwoods Manufacturing	GMSG-502A	11/25/15	10:44 AM	28.79	40		--	--	--	0
Northwoods Manufacturing	GMSG-502B	08/26/05	3:44 PM	28.64	76	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	09/01/05	1:54 PM	28.57	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	09/09/05	2:10 PM	28.88	78	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-502B	10/14/05	1:31 PM	28.62	68	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	11/14/05	11:50 AM	29.05	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	12/15/05	1:01 PM	28.42	32	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	03/02/06	1:10 PM	28.75	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	04/18/06	1:15 PM	28.83	63	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	07/14/06	11:29 AM	28.68	70	0.11	--	--	--	0
Northwoods Manufacturing	GMSG-502B	10/31/06	3:11 PM	28.66	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	02/07/07	3:09 PM	28.80	16	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	04/09/07	10:03 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	07/20/07	11:32 AM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	10/19/07	8:21 AM	28.98	53	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-502B	01/25/08	1:40 PM	30.11	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	04/28/08	1:14 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	07/18/08	10:40 AM	29.94	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	10/21/08	10:59 AM	30.44	44	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	01/28/09	2:14 PM	28.46	13	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	04/21/09	12:55 PM	28.25	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-502B	07/29/09	1:53 PM	28.56	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	10/20/09	11:48 AM	28.85	45	T	--	--	--	0
Northwoods Manufacturing	GMSG-502B	04/26/10	11:12 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	07/10/11	3:09 PM	28.59	87	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	10/29/12	2:07 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	12/30/14	2:52 PM	29.18	7	0	--	--	--	0
Northwoods Manufacturing	GMSG-502B	11/25/15	10:45 AM	28.79	40		--	--	--	0
Northwoods Manufacturing	GMSG-502C	08/26/05	3:47 PM	28.64	76	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	09/01/05	1:57 PM	28.57	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	09/09/05	2:12 PM	28.88	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	10/14/05	1:32 PM	28.62	68	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	11/14/05	11:51 AM	29.05	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	12/15/05	1:03 PM	28.42	32	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	03/02/06	1:12 PM	28.75	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	04/18/06	1:16 PM	28.83	63	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	07/14/06	11:31 AM	28.67	74	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-502C	10/31/06	3:12 PM	28.66	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	02/07/07	3:10 PM	28.80	16	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-502C	04/09/07	10:04 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	07/20/07	11:33 AM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	10/19/07	8:22 AM	28.98	53	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-502C	01/25/08	1:41 PM	30.11	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	04/28/08	1:15 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	07/18/08	10:41 AM	29.94	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	10/21/08	11:00 AM	30.44	44	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	01/28/09	2:15 PM	28.46	13	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	04/21/09	12:58 PM	28.25	35	T	--	--	--	0
Northwoods Manufacturing	GMSG-502C	07/29/09	1:54 PM	28.56	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	10/20/09	11:49 AM	28.85	45	T	--	--	--	0
Northwoods Manufacturing	GMSG-502C	04/26/10	11:13 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	07/10/11	3:10 PM	28.59	87	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	10/29/12	2:08 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	12/30/14	2:53 PM	29.18	7	0	--	--	--	0
Northwoods Manufacturing	GMSG-502C	11/25/15	10:46 AM	28.79	40		--	--	--	0
Northwoods Manufacturing	GMSG-503A	08/26/05	3:55 PM	28.64	76	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	09/01/05	1:44 PM	28.57	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	09/09/05	2:16 PM	28.88	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	10/17/05	3:31 PM	28.41	62	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	11/14/05	11:55 AM	29.05	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	12/15/05	12:54 PM	28.42	32	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	03/14/06	12:11 PM	28.59	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	04/18/06	12:54 PM	28.83	63	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	07/14/06	12:48 PM	28.67	81	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	10/31/06	2:54 PM	28.66	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	02/07/07	3:15 PM	28.80	16	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	04/09/07	10:06 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	07/20/07	11:41 AM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	10/19/07	8:28 AM	28.98	53	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-503A	01/25/08	1:43 PM	30.11	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	04/28/08	1:17 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	07/18/08	10:33 AM	29.94	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	10/21/08	10:54 AM	30.44	44	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	01/28/09	2:16 PM	28.46	13	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-503A	10/20/09	11:42 AM	28.85	45	T	--	--	--	0
Northwoods Manufacturing	GMSG-503A	04/26/10	11:17 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	11/08/10	2:57 PM	28.61	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	10/29/12	2:10 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	12/30/14	2:55 PM	29.18	7	0	--	--	--	0
Northwoods Manufacturing	GMSG-503A	11/25/15	10:48 AM	28.79	40		--	--	--	0
Northwoods Manufacturing	GMSG-503B	08/26/05	3:57 PM	28.64	76	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	09/01/05	1:46 PM	28.57	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	09/09/05	2:18 PM	28.88	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	10/17/05	3:32 PM	28.41	62	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	11/14/05	11:56 AM	29.05	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	12/15/05	12:56 PM	28.42	32	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	03/14/06	12:13 PM	28.59	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	04/18/06	12:55 PM	28.83	63	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	07/14/06	12:50 PM	28.67	81	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	10/31/06	2:56 PM	28.66	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	02/07/07	3:16 PM	28.80	16	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	04/09/07	10:07 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	07/20/07	11:42 AM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	10/19/07	8:29 AM	28.98	53	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-503B	01/25/08	1:44 PM	30.11	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	04/28/08	1:18 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	07/18/08	10:34 AM	29.94	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	10/21/08	10:55 AM	30.44	44	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	01/28/09	2:17 PM	28.46	13	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	10/20/09	11:43 AM	28.85	45	T	--	--	--	0
Northwoods Manufacturing	GMSG-503B	04/26/10	11:18 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	11/08/10	2:58 PM	28.61	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	10/29/12	2:11 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	12/30/14	2:56 PM	29.18	7	0	--	--	--	0
Northwoods Manufacturing	GMSG-503B	11/25/15	10:49 AM	28.79	40		--	--	--	0
Northwoods Manufacturing	GMSG-504A	08/26/05	3:35 PM	28.64	76	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	09/01/05	1:37 PM	28.57	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	09/09/05	2:21 PM	28.88	78	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-504A	10/17/05	3:35 PM	28.41	62	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	11/14/05	11:44 AM	29.05	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	12/15/05	1:11 PM	28.42	32	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	03/02/06	1:19 PM	28.75	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	04/18/06	1:02 PM	28.83	63	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	07/14/06	12:21 PM	28.67	74	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-504A	10/31/06	3:00 PM	28.66	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	02/07/07	3:22 PM	28.80	16	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	04/09/07	10:10 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	07/20/07	11:45 AM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	10/19/07	8:25 AM	28.98	53	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-504A	01/25/08	1:48 PM	30.11	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	04/28/08	1:23 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	01/28/09	2:20 PM	28.46	13	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	07/29/09	1:47 PM	28.56	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	10/20/09	11:32 AM	28.85	45	T	--	--	--	0
Northwoods Manufacturing	GMSG-504A	04/26/10	11:22 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	11/08/10	3:02 PM	28.61	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	10/29/12	2:15 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	11/11/13	2:00 PM	28.97	26	T	--	--	--	0
Northwoods Manufacturing	GMSG-504A	09/30/14	1:28 PM	28.79	54	0	--	--	--	0
Northwoods Manufacturing	GMSG-504A	11/25/15	10:53 AM	28.79	40		--	--	--	0
Northwoods Manufacturing	GMSG-504B	08/26/05	3:37 PM	28.64	76	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	09/01/05	1:41 PM	28.57	79	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	09/09/05	2:23 PM	28.88	78	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	10/17/05	3:36 PM	28.41	62	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	11/14/05	11:45 AM	29.05	35	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	12/15/05	1:12 PM	28.42	32	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	03/02/06	1:20 PM	28.75	29	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	04/18/06	1:03 PM	28.83	63	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	07/14/06	12:23 PM	28.67	74	0.02	--	--	--	0
Northwoods Manufacturing	GMSG-504B	10/31/06	3:02 PM	28.66	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	02/07/07	3:24 PM	28.80	16	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	04/09/07	10:11 AM	28.85	31	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	07/20/07	11:46 AM	30.21	69	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	10/19/07	8:26 AM	28.98	53	0.02	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Northwoods Manufacturing	GMSG-504B	01/25/08	1:49 PM	30.11	26	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	04/28/08	1:24 PM	30.06	36	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	01/28/09	2:21 PM	28.46	13	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	07/29/09	1:48 PM	28.56	71	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	10/20/09	11:33 AM	28.85	45	T	--	--	--	0
Northwoods Manufacturing	GMSG-504B	04/26/10	11:23 AM	28.44	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	11/08/10	3:03 PM	28.61	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	10/29/12	2:16 PM	29.01	46	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	11/11/13	2:00 PM	28.97	26	T	--	--	--	0
Northwoods Manufacturing	GMSG-504B	09/30/14	1:30 PM	28.79	57	0	--	--	--	0
Northwoods Manufacturing	GMSG-504B	11/25/15	10:54 AM	28.79	40		--	--	--	0
Prime Pasty King	GMSG-407	10/14/03	5:09 PM	28.52	49	0	0	0.9	18.7	0
Prime Pasty King	GMSG-407	10/29/03	2:23 PM	28.48	43	0	0	0.9	18.4	0
Prime Pasty King	GMSG-407	11/11/03	2:40 PM	28.48	48	0	0	0	19.6	0
Prime Pasty King	GMSG-407	12/18/03	2:13 PM	28.51	25	0	0	0.3	18.9	--
Prime Pasty King	GMSG-407	01/21/04	10:51 AM	28.40	20	T	0	0.8	18.3	0
Prime Pasty King	GMSG-407	04/19/04	8:35 AM	28.59	41	0	0	0.5	16.8	0
Prime Pasty King	GMSG-407	07/14/04	2:23 PM	28.67	78	0	0	1.3	18.2	0
Prime Pasty King	GMSG-407	10/30/04	9:27 AM	27.94	55	0	0	0.9	18.6	0
Prime Pasty King	GMSG-407	02/08/05	8:50 AM	28.99	15	0	--	--	--	0
Prime Pasty King	GMSG-407	07/05/05	1:15 PM	28.88	66	0	--	--	--	0
Prime Pasty King	GMSG-407	10/11/05	3:45 PM	28.99	56	0	--	--	--	0
Prime Pasty King	GMSG-407	03/03/06	11:55 AM	29.14	26	0	--	--	--	0
Prime Pasty King	GMSG-407	04/06/06	3:25 PM	28.50	57	0	--	--	--	0
Prime Pasty King	GMSG-407	07/13/06	10:10 AM	28.78	87	0	--	--	--	0
Prime Pasty King	GMSG-407	10/11/06	11:08 AM	28.06	42	0.03	--	--	--	0
Prime Pasty King	GMSG-407	02/01/07	10:25 AM	28.40	11	0	--	--	--	0
Prime Pasty King	GMSG-407	04/05/07	2:24 PM	28.88	23	T	--	--	--	0
Prime Pasty King	GMSG-407	07/19/07	3:29 PM	30.06	62	T	--	--	--	0
Prime Pasty King	GMSG-407	10/17/07	2:41 PM	29.86	60	0	--	--	--	0
Prime Pasty King	GMSG-407	01/16/08	3:00 PM	29.90	28	0	--	--	--	0
Prime Pasty King	GMSG-407	04/14/08	11:23 AM	30.26	42	0	--	--	--	0
Prime Pasty King	GMSG-407	07/09/08	9:42 AM	29.89	69	0	--	--	--	0
Prime Pasty King	GMSG-407	10/22/08	1:03 PM	30.45	48	0	--	--	--	0
Prime Pasty King	GMSG-407	01/05/09	1:36 PM	28.59	11	0	--	--	--	0
Prime Pasty King	GMSG-407	04/02/09	1:43 PM	28.42	43	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Prime Pasty King	GMSG-407	07/31/09	8:26 AM	28.64	60	0	--	--	--	0
Prime Pasty King	GMSG-407	10/23/09	11:53 AM	28.38	35	0.1	--	--	--	0
Prime Pasty King	GMSG-407	04/19/10	2:36 PM	28.88	64	0	--	--	--	0
Prime Pasty King	GMSG-407	11/03/10	12:36 PM	28.48	55	0	--	--	--	0
Prime Pasty King	GMSG-407	07/08/11	1:39 PM	28.63	82	0	--	--	--	0
Prime Pasty King	GMSG-407	10/22/12	3:03 PM	28.72	63	0	--	--	--	0
Prime Pasty King	GMSG-407	03/21/14	10:33 AM	28.61	35	0	--	--	--	0
Prime Pasty King	GMSG-407	08/11/14	3:00 PM	28.64	72	0	--	--	--	0
Prime Pasty King	GMSG-407	08/04/15	1:42 PM	28.68	70	0	--	--	--	0
Prime Pasty King	GMSG-666	04/28/09	3:02 PM	29.20	57	0	--	--	--	0
Prime Pasty King	GMSG-666	05/08/09	2:31 PM	28.40	68	0	--	--	--	0
Prime Pasty King	GMSG-666	05/18/09	2:47 PM	28.75	68	0	--	--	--	0
Prime Pasty King	GMSG-666	06/11/09	2:26 PM	28.63	69	0	--	--	--	0
Prime Pasty King	GMSG-666	07/31/09	8:21 AM	28.64	60	0	--	--	--	0
Prime Pasty King	GMSG-666	09/08/09	1:25 PM	28.09	51	T	--	--	--	0
Prime Pasty King	GMSG-666	10/23/09	11:57 AM	28.38	35	0.1	--	--	--	0
Prime Pasty King	GMSG-666	01/19/10	1:04 PM	28.70	23	0	--	--	--	0
Prime Pasty King	GMSG-666	04/19/10	2:33 PM	28.88	64	0	--	--	--	0
Prime Pasty King	GMSG-666	07/22/10	12:07 PM	28.67	69	0	--	--	--	0
Prime Pasty King	GMSG-666	11/03/10	12:33 PM	28.48	55	0	--	--	--	0
Prime Pasty King	GMSG-666	01/25/11	10:38 AM	28.71	20	T	--	--	--	0
Prime Pasty King	GMSG-666	05/04/11	11:31 AM	29.03	61	0	--	--	--	0
Prime Pasty King	GMSG-666	07/08/11	1:44 PM	28.63	82	0	--	--	--	0
Prime Pasty King	GMSG-666	11/09/11	3:50 PM	28.38	33	0.01	--	--	--	0
Prime Pasty King	GMSG-666	04/30/12	12:35 PM	28.64	47	0	--	--	--	0
Prime Pasty King	GMSG-666	10/22/12	3:00 PM	28.72	63	0	--	--	--	0
Prime Pasty King	GMSG-666	11/05/13	3:36 PM	28.87	48	0	--	--	--	0
Prime Pasty King	GMSG-666	08/11/14	3:10 PM	28.64	72	0	--	--	--	0
Prime Pasty King	GMSG-666	08/22/14	12:58 PM	28.72	71	0	--	--	--	0
Prime Pasty King	GMSG-666	08/04/15	1:34 PM	28.68	70	0	--	--	--	0
Prime Pasty King	GMSG-667	04/28/09	3:04 PM	29.20	57	0	--	--	--	0
Prime Pasty King	GMSG-667	05/08/09	2:34 PM	28.40	68	0	--	--	--	0
Prime Pasty King	GMSG-667	05/18/09	2:49 PM	28.75	68	0	--	--	--	0
Prime Pasty King	GMSG-667	06/11/09	2:28 PM	28.63	69	0	--	--	--	0
Prime Pasty King	GMSG-667	07/31/09	8:23 AM	28.64	60	0	--	--	--	0
Prime Pasty King	GMSG-667	09/08/09	1:29 PM	28.09	51	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Prime Pasty King	GMSG-667	10/23/09	11:59 AM	28.38	35	0.1	--	--	--	0
Prime Pasty King	GMSG-667	01/19/10	1:10 PM	28.70	23	0	--	--	--	0
Prime Pasty King	GMSG-667	04/19/10	2:35 PM	28.88	64	0	--	--	--	0
Prime Pasty King	GMSG-667	07/22/10	12:09 PM	28.67	69	0	--	--	--	0
Prime Pasty King	GMSG-667	11/03/10	12:35 PM	28.48	55	0	--	--	--	0
Prime Pasty King	GMSG-667	01/25/11	10:41 AM	28.71	20	T	--	--	--	0
Prime Pasty King	GMSG-667	05/04/11	11:34 AM	29.03	61	0	--	--	--	0
Prime Pasty King	GMSG-667	07/08/11	1:47 PM	28.63	82	0	--	--	--	0
Prime Pasty King	GMSG-667	11/09/11	3:52 PM	28.38	33	0.01	--	--	--	0
Prime Pasty King	GMSG-667	04/30/12	12:38 PM	28.64	47	0	--	--	--	0
Prime Pasty King	GMSG-667	10/22/12	2:58 PM	28.72	63	0	--	--	--	0
Prime Pasty King	GMSG-667	11/06/13	3:37 PM	28.65	35	T	--	--	--	0
Prime Pasty King	GMSG-667	08/11/14	3:07 PM	28.64	72	0	--	--	--	0
Prime Pasty King	GMSG-667	08/22/14	12:55 PM	28.72	71	0	--	--	--	0
Prime Pasty King	GMSG-667	08/04/15	1:38 PM	28.68	70	0	--	--	--	0
Prime Pasty King	GMSG-668	06/11/09	2:24 PM	28.63	69	0	--	--	--	0
Prime Pasty King	GMSG-668	06/18/09	12:07 PM	28.57	71	0	--	--	--	0
Prime Pasty King	GMSG-668	07/08/09	11:23 AM	28.03	50	0	--	--	--	0
Prime Pasty King	GMSG-668	07/31/09	8:19 AM	28.64	60	0	--	--	--	0
Prime Pasty King	GMSG-668	09/08/09	1:22 PM	28.09	51	T	--	--	--	0
Prime Pasty King	GMSG-668	10/23/09	11:55 AM	28.38	35	0.1	--	--	--	0
Prime Pasty King	GMSG-668	01/19/10	12:57 PM	28.70	23	0	--	--	--	0
Prime Pasty King	GMSG-668	04/19/10	2:31 PM	28.88	64	0	--	--	--	0
Prime Pasty King	GMSG-668	07/22/10	12:05 PM	28.67	69	0	--	--	--	0
Prime Pasty King	GMSG-668	11/03/10	12:31 PM	28.48	55	0	--	--	--	0
Prime Pasty King	GMSG-668	01/25/11	10:35 AM	28.71	20	T	--	--	--	0
Prime Pasty King	GMSG-668	05/04/11	11:28 AM	29.05	60	0	--	--	--	0
Prime Pasty King	GMSG-668	07/08/11	1:42 PM	28.63	82	0	--	--	--	0
Prime Pasty King	GMSG-668	11/09/11	3:49 PM	28.38	33	0.01	--	--	--	0
Prime Pasty King	GMSG-668	04/30/12	12:33 PM	28.64	47	0	--	--	--	0
Prime Pasty King	GMSG-668	10/22/12	2:56 PM	28.72	63	0	--	--	--	0
Prime Pasty King	GMSG-668	11/05/13	3:33 PM	28.87	48	0	--	--	--	0
Prime Pasty King	GMSG-668	08/11/14	2:46 PM	28.64	72	0	--	--	--	0
Prime Pasty King	GMSG-668	08/04/15	1:32 PM	28.68	70	0	--	--	--	0
Rice Juice Company	GMSG-413	10/14/03	10:27 AM	28.50	51	0	0	1.2	18.2	0
Rice Juice Company	GMSG-413	10/29/03	1:46 PM	28.48	43	0	0	0.9	18.6	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Rice Juice Company	GMSG-413	11/12/03	11:55 AM	28.23	40	0	0	0.7	19	0
Rice Juice Company	GMSG-413	12/18/03	9:35 AM	28.58	24	0	0	0.5	18.5	0
Rice Juice Company	GMSG-413	01/21/04	7:50 AM	28.48	11	T	0	0.4	19.1	0
Rice Juice Company	GMSG-413	04/16/04	3:38 PM	28.65	74	0	0	0.5	18.9	0
Rice Juice Company	GMSG-413	07/15/04	9:25 AM	28.68	75	0	0	1.2	18.1	0
Rice Juice Company	GMSG-413	10/31/04	11:48 AM	--	--	--	0	1	19.2	0
Rice Juice Company	GMSG-413	02/08/05	10:36 AM	29.01	19	0	--	--	--	0
Rice Juice Company	GMSG-413	04/04/05	2:58 PM	28.72	56	0	--	--	--	0
Rice Juice Company	GMSG-413	07/06/05	9:09 AM	28.96	65	0	--	--	--	0
Rice Juice Company	GMSG-413	10/13/05	11:17 AM	28.83	59	0	--	--	--	0
Rice Juice Company	GMSG-413	02/27/06	3:31 PM	28.83	22	0	--	--	--	0
Rice Juice Company	GMSG-413	04/06/06	2:11 PM	28.51	58	0	--	--	--	0
Rice Juice Company	GMSG-413	07/12/06	9:33 AM	28.83	79	0	--	--	--	0
Rice Juice Company	GMSG-413	10/11/06	9:00 AM	28.11	42	0.07	--	--	--	0
Rice Juice Company	GMSG-413	02/05/07	11:29 AM	29.10	1	0	--	--	--	0
Rice Juice Company	GMSG-413	04/03/07	1:54 PM	28.57	36	T	--	--	--	0
Rice Juice Company	GMSG-413	07/20/07	3:32 PM	30.20	73	0	--	--	--	0
Rice Juice Company	GMSG-413	10/17/07	11:49 AM	29.89	57	0	--	--	--	0
Rice Juice Company	GMSG-413	01/14/08	12:07 PM	29.92	24	T	--	--	--	0
Rice Juice Company	GMSG-413	04/15/08	11:20 AM	29.96	50	0	--	--	--	0
Rice Juice Company	GMSG-413	07/16/08	8:13 AM	30.10	73	0	--	--	--	0
Rice Juice Company	GMSG-413	10/16/08	3:02 PM	30.25	54	0	--	--	--	0
Rice Juice Company	GMSG-413	01/07/09	11:31 AM	27.99	23	T	--	--	--	0
Rice Juice Company	GMSG-413	04/20/09	11:42 AM	28.31	34	0.02	--	--	--	0
Rice Juice Company	GMSG-413	07/28/09	12:13 PM	28.44	72	0	--	--	--	0
Rice Juice Company	GMSG-413	10/22/09	11:28 AM	28.88	40	0	--	--	--	0
Rice Juice Company	GMSG-413	04/20/10	3:17 PM	28.60	72	0	--	--	--	0
Rice Juice Company	GMSG-413	11/05/10	12:07 PM	28.75	33	0	--	--	--	0
Rice Juice Company	GMSG-413	07/08/11	5:57 PM	28.65	76	0	--	--	--	0
Rice Juice Company	GMSG-413	10/24/12	3:20 PM	28.57	60	0	--	--	--	0
Rice Juice Company	GMSG-413	11/06/13	3:13 PM	28.61	36	T	--	--	--	0
Rice Juice Company	GMSG-413	08/14/14	4:32 PM	28.78	72	0	--	--	--	0
Rice Juice Company	GMSG-413	08/07/15	12:56 PM	28.64	65	T	--	--	--	0
Rice Juice Company	GMSG-414	10/14/03	10:31 AM	28.48	52	0	0	0.6	18.7	0
Rice Juice Company	GMSG-414	10/29/03	1:41 PM	28.48	43	0	0	0.9	18.1	0
Rice Juice Company	GMSG-414	11/12/03	11:58 AM	28.23	40	0	0	1	18	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Rice Juice Company	GMSG-414	12/18/03	9:27 AM	28.58	24	0	0	0.2	18.5	0
Rice Juice Company	GMSG-414	01/21/04	7:42 AM	28.48	11	T	0	1	18	0
Rice Juice Company	GMSG-414	04/16/04	3:30 PM	28.65	74	0	0	0.8	18.7	0
Rice Juice Company	GMSG-414	07/15/04	9:30 AM	28.68	78	0	0	1.1	18.1	0
Rice Juice Company	GMSG-414	10/31/04	11:43 AM	--	--	--	0	1	18.9	0
Rice Juice Company	GMSG-414	02/08/05	10:47 AM	29.01	19	0	--	--	--	0
Rice Juice Company	GMSG-414	04/04/05	2:56 PM	28.72	56	0	--	--	--	0
Rice Juice Company	GMSG-414	07/06/05	9:02 AM	28.96	65	0	--	--	--	0
Rice Juice Company	GMSG-414	10/13/05	11:15 AM	28.83	59	0	--	--	--	0
Rice Juice Company	GMSG-414	03/06/06	1:56 PM	29.00	37	0	--	--	--	0
Rice Juice Company	GMSG-414	04/06/06	2:13 PM	28.51	58	0	--	--	--	0
Rice Juice Company	GMSG-414	07/12/06	9:24 AM	28.83	75	0	--	--	--	0
Rice Juice Company	GMSG-414	10/11/06	8:53 AM	28.11	42	0.07	--	--	--	0
Rice Juice Company	GMSG-414	02/04/07	2:28 PM	28.85	-6	T	--	--	--	0
Rice Juice Company	GMSG-414	04/03/07	1:49 PM	28.57	36	T	--	--	--	0
Rice Juice Company	GMSG-414	07/20/07	3:28 PM	30.21	73	0	--	--	--	0
Rice Juice Company	GMSG-414	10/17/07	11:58 AM	29.89	57	0	--	--	--	0
Rice Juice Company	GMSG-414	01/14/08	11:57 AM	29.92	24	T	--	--	--	0
Rice Juice Company	GMSG-414	04/15/08	11:16 AM	29.96	50	0	--	--	--	0
Rice Juice Company	GMSG-414	07/16/08	8:09 AM	30.10	73	0	--	--	--	0
Rice Juice Company	GMSG-414	10/16/08	2:59 PM	30.25	54	0	--	--	--	0
Rice Juice Company	GMSG-414	01/07/09	11:21 AM	28.00	23	T	--	--	--	0
Rice Juice Company	GMSG-414	04/20/09	11:38 AM	28.31	34	0.02	--	--	--	0
Rice Juice Company	GMSG-414	07/28/09	12:07 PM	28.44	72	0	--	--	--	0
Rice Juice Company	GMSG-414	10/22/09	11:25 AM	28.88	40	0	--	--	--	0
Rice Juice Company	GMSG-414	04/20/10	3:15 PM	28.60	72	0	--	--	--	0
Rice Juice Company	GMSG-414	11/05/10	12:04 PM	28.75	33	0	--	--	--	0
Rice Juice Company	GMSG-414	07/08/11	5:51 PM	28.65	76	0	--	--	--	0
Rice Juice Company	GMSG-414	10/24/12	3:15 PM	28.57	60	0	--	--	--	0
Rice Juice Company	GMSG-414	11/06/13	3:18 PM	28.61	36	T	--	--	--	0
Rice Juice Company	GMSG-414	08/14/14	4:25 PM	28.79	74	0	--	--	--	0
Rice Juice Company	GMSG-414	08/07/15	12:48 PM	28.64	65	T	--	--	--	0
Rice Juice Company	GMSG-555	12/07/05	11:41 AM	29.26	22	0	--	--	--	0
Rice Juice Company	GMSG-555	12/13/05	2:41 PM	28.88	24	0	--	--	--	0
Rice Juice Company	GMSG-555	12/20/05	11:51 AM	28.92	22	0	--	--	--	0
Rice Juice Company	GMSG-555	03/10/06	9:30 AM	28.47	37	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Rice Juice Company	GMSG-555	04/06/06	2:09 PM	28.51	58	0	--	--	--	0
Rice Juice Company	GMSG-555	05/16/06	9:01 AM	28.64	61	0	--	--	--	0
Rice Juice Company	GMSG-555	07/12/06	9:30 AM	28.83	79	0	--	--	--	0
Rice Juice Company	GMSG-555	10/11/06	8:50 AM	28.11	42	0.07	--	--	--	0
Rice Juice Company	GMSG-555	02/04/07	2:26 PM	28.85	-6	T	--	--	--	0
Rice Juice Company	GMSG-555	04/03/07	1:51 PM	28.57	36	T	--	--	--	0
Rice Juice Company	GMSG-555	07/20/07	3:30 PM	30.20	73	0	--	--	--	0
Rice Juice Company	GMSG-555	10/17/07	11:53 AM	29.89	57	0	--	--	--	0
Rice Juice Company	GMSG-555	01/14/08	12:02 PM	29.92	24	T	--	--	--	0
Rice Juice Company	GMSG-555	04/15/08	11:18 AM	29.96	50	0	--	--	--	0
Rice Juice Company	GMSG-555	07/16/08	8:11 AM	30.10	73	0	--	--	--	0
Rice Juice Company	GMSG-555	10/16/08	3:00 PM	30.25	54	0	--	--	--	0
Rice Juice Company	GMSG-555	01/07/09	11:26 AM	28.00	23	T	--	--	--	0
Rice Juice Company	GMSG-555	04/20/09	11:40 AM	28.31	34	0.02	--	--	--	0
Rice Juice Company	GMSG-555	07/28/09	12:09 PM	28.44	72	0	--	--	--	0
Rice Juice Company	GMSG-555	10/22/09	11:27 AM	28.88	40	0	--	--	--	0
Rice Juice Company	GMSG-555	04/20/10	3:16 PM	28.60	72	0	--	--	--	0
Rice Juice Company	GMSG-555	11/05/10	12:06 PM	28.75	33	0	--	--	--	0
Rice Juice Company	GMSG-555	07/08/11	5:54 PM	28.65	76	0	--	--	--	0
Rice Juice Company	GMSG-555	10/24/12	3:23 PM	28.57	60	0	--	--	--	0
Rice Juice Company	GMSG-555	11/06/13	3:17 PM	28.61	36	T	--	--	--	0
Rice Juice Company	GMSG-555	08/14/14	4:29 PM	28.79	74	0	--	--	--	0
Rice Juice Company	GMSG-555	08/07/15	12:59 PM	28.64	65	T	--	--	--	0
Rice Juice Company	GMSG-556	06/01/06	2:00 PM	28.86	75	T	--	--	--	0
Rice Juice Company	GMSG-556	06/06/06	3:24 PM	28.55	65	0.19	--	--	--	0
Rice Juice Company	GMSG-556	06/15/06	1:32 PM	28.84	78	0	--	--	--	0
Rice Juice Company	GMSG-556	06/23/06	11:19 AM	29.00	69	0	--	--	--	0
Rice Juice Company	GMSG-556	07/12/06	9:37 AM	28.83	79	0	--	--	--	0
Rice Juice Company	GMSG-556	08/11/06	10:42 AM	28.97	68	0	--	--	--	0
Rice Juice Company	GMSG-556	09/19/06	9:36 AM	28.50	50	0	--	--	--	0
Rice Juice Company	GMSG-556	10/11/06	8:56 AM	28.11	42	0.07	--	--	--	0
Rice Juice Company	GMSG-556	02/04/07	2:46 PM	28.87	-6	T	--	--	--	0
Rice Juice Company	GMSG-556	04/03/07	1:45 PM	28.57	36	T	--	--	--	0
Rice Juice Company	GMSG-556	07/20/07	3:34 PM	30.20	73	0	--	--	--	0
Rice Juice Company	GMSG-556	10/17/07	11:45 AM	29.89	57	0	--	--	--	0
Rice Juice Company	GMSG-556	01/14/08	12:10 PM	29.92	24	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Rice Juice Company	GMSG-556	04/15/08	11:22 AM	29.96	50	0	--	--	--	0
Rice Juice Company	GMSG-556	07/16/08	8:16 AM	30.10	73	0	--	--	--	0
Rice Juice Company	GMSG-556	10/16/08	3:04 PM	30.25	54	0	--	--	--	0
Rice Juice Company	GMSG-556	01/07/09	11:37 AM	27.99	23	T	--	--	--	0
Rice Juice Company	GMSG-556	04/20/09	11:45 AM	28.31	34	0.02	--	--	--	0
Rice Juice Company	GMSG-556	07/28/09	12:05 PM	28.44	72	0	--	--	--	0
Rice Juice Company	GMSG-556	10/22/09	11:30 AM	28.86	41	0	--	--	--	0
Rice Juice Company	GMSG-556	04/20/10	3:20 PM	28.60	72	0	--	--	--	0
Rice Juice Company	GMSG-556	11/05/10	12:09 PM	28.75	33	0	--	--	--	0
Rice Juice Company	GMSG-556	07/08/11	6:00 PM	28.65	76	0	--	--	--	0
Rice Juice Company	GMSG-556	10/24/12	3:17 PM	28.57	60	0	--	--	--	0
Rice Juice Company	GMSG-556	11/07/13	2:29 PM	28.80	35	0	--	--	--	0
Rice Juice Company	GMSG-556	08/14/14	4:36 PM	28.78	72	0	--	--	--	0
Rice Juice Company	GMSG-556	08/07/15	12:52 PM	28.64	65	T	--	--	--	0
Salon Solutions	GMSG-404	10/14/03	5:54 PM	28.54	46	0	0	0.5	19.2	0
Salon Solutions	GMSG-404	10/29/03	2:06 PM	28.48	43	0	0	0.3	19.1	0
Salon Solutions	GMSG-404	11/11/03	2:05 PM	28.48	48	0	0	0.3	19.2	0
Salon Solutions	GMSG-404	12/18/03	9:52 AM	28.58	24	0	0	0.2	18.8	0
Salon Solutions	GMSG-404	01/20/04	4:17 PM	28.99	14	0	0	0.2	18.7	0
Salon Solutions	GMSG-404	04/18/04	3:11 PM	28.38	55	0	0	0.3	17.2	0
Salon Solutions	GMSG-404	07/14/04	11:00 AM	28.68	75	0	0	1	18.5	0
Salon Solutions	GMSG-404	10/29/04	1:04 PM	28.37	57	T	0	0.6	19.2	0
Salon Solutions	GMSG-404	01/28/05	10:54 AM	29.25	21	0	--	--	--	0
Salon Solutions	GMSG-404	04/05/05	8:07 AM	28.57	45	0	--	--	--	0
Salon Solutions	GMSG-404	07/06/05	10:00 AM	28.96	69	0	--	--	--	0
Salon Solutions	GMSG-404	10/11/05	11:25 AM	29.04	54	0	--	--	--	0
Salon Solutions	GMSG-404	03/01/06	9:17 AM	28.77	12	0	--	--	--	0
Salon Solutions	GMSG-404	04/10/06	10:47 AM	28.81	56	0	--	--	--	0
Salon Solutions	GMSG-404	07/11/06	9:37 AM	28.80	70	0	--	--	--	0
Salon Solutions	GMSG-404	10/09/06	3:57 PM	29.09	48	0	--	--	--	0
Salon Solutions	GMSG-404	02/04/07	12:13 PM	28.82	-7	0	--	--	--	0
Salon Solutions	GMSG-404	04/04/07	3:11 PM	28.68	21	T	--	--	--	0
Salon Solutions	GMSG-404	07/18/07	2:27 PM	29.84	86	0	--	--	--	0
Salon Solutions	GMSG-404	10/18/07	10:22 AM	29.24	60	0.1	--	--	--	0
Salon Solutions	GMSG-404	01/14/08	4:00 PM	29.96	23	0	--	--	--	0
Salon Solutions	GMSG-404	04/14/08	3:39 PM	30.17	49	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Salon Solutions	GMSG-404	07/09/08	11:03 AM	29.88	71	0	--	--	--	0
Salon Solutions	GMSG-404	10/21/08	11:33 AM	30.43	44	0	--	--	--	0
Salon Solutions	GMSG-404	01/06/09	12:06 PM	28.39	13	0	--	--	--	0
Salon Solutions	GMSG-404	04/22/09	9:05 AM	28.49	41	0	--	--	--	0
Salon Solutions	GMSG-404	05/18/09	2:43 PM	28.75	68	0	--	--	--	0
Salon Solutions	GMSG-404	07/31/09	6:29 AM	28.63	54	0	--	--	--	0
Salon Solutions	GMSG-404	10/22/09	2:48 PM	28.87	41	0	--	--	--	0
Salon Solutions	GMSG-404	04/20/10	12:05 PM	28.65	68	0	--	--	--	0
Salon Solutions	GMSG-404	11/01/10	3:00 PM	29.11	50	0	--	--	--	0
Salon Solutions	GMSG-404	07/09/11	12:46 PM	28.64	75	T	--	--	--	0
Salon Solutions	GMSG-404	10/24/12	12:27 PM	28.61	59	0	--	--	--	0
Salon Solutions	GMSG-404	11/06/13	2:41 PM	28.61	36	T	--	--	--	0
Salon Solutions	GMSG-404	08/13/14	8:34 AM	28.75	68	0	--	--	--	0
Salon Solutions	GMSG-404	08/07/15	11:00 AM	28.64	62	T	--	--	--	0
Salon Solutions	GMSG-594	06/15/06	1:44 PM	28.84	78	0	--	--	--	0
Salon Solutions	GMSG-594	06/23/06	10:54 AM	29.00	69	0	--	--	--	0
Salon Solutions	GMSG-594	06/27/06	9:46 AM	28.73	71	0	--	--	--	0
Salon Solutions	GMSG-594	07/11/06	9:34 AM	28.80	70	0	--	--	--	0
Salon Solutions	GMSG-594	08/11/06	10:13 AM	28.97	65	0	--	--	--	0
Salon Solutions	GMSG-594	09/19/06	10:42 AM	28.52	51	T	--	--	--	0
Salon Solutions	GMSG-594	10/09/06	4:00 PM	29.09	48	0	--	--	--	0
Salon Solutions	GMSG-594	02/04/07	12:10 PM	28.82	-7	0	--	--	--	0
Salon Solutions	GMSG-594	04/04/07	3:08 PM	28.68	21	T	--	--	--	0
Salon Solutions	GMSG-594	07/18/07	2:30 PM	29.85	83	0	--	--	--	0
Salon Solutions	GMSG-594	10/18/07	10:16 AM	29.24	60	0.1	--	--	--	0
Salon Solutions	GMSG-594	01/14/08	4:04 PM	29.96	23	0	--	--	--	0
Salon Solutions	GMSG-594	04/14/08	2:38 PM	30.19	48	0	--	--	--	0
Salon Solutions	GMSG-594	07/09/08	11:05 AM	29.88	71	0	--	--	--	0
Salon Solutions	GMSG-594	10/21/08	11:35 AM	30.43	44	0	--	--	--	0
Salon Solutions	GMSG-594	01/06/09	12:01 PM	28.39	13	0	--	--	--	0
Salon Solutions	GMSG-594	04/02/09	9:32 AM	28.48	36	0	--	--	--	0
Salon Solutions	GMSG-594	07/31/09	6:31 AM	28.64	56	0	--	--	--	0
Salon Solutions	GMSG-594	10/22/09	2:50 PM	28.87	41	0	--	--	--	0
Salon Solutions	GMSG-594	04/20/10	12:03 PM	28.65	68	0	--	--	--	0
Salon Solutions	GMSG-594	11/01/10	3:02 PM	29.11	50	0	--	--	--	0
Salon Solutions	GMSG-594	07/09/11	12:43 PM	28.64	75	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Salon Solutions	GMSG-594	10/24/12	12:19 PM	28.61	59	0	--	--	--	0
Salon Solutions	GMSG-594	11/06/13	2:37 PM	28.61	36	T	--	--	--	0
Salon Solutions	GMSG-594	08/13/14	8:30 AM	28.75	68	0	--	--	--	0
Salon Solutions	GMSG-594	08/07/15	10:56 AM	28.64	62	T	--	--	--	0
Salon Solutions	GMSG-595	06/15/06	1:40 PM	28.84	78	0	--	--	--	0
Salon Solutions	GMSG-595	06/23/06	10:51 AM	29.00	69	0	--	--	--	0
Salon Solutions	GMSG-595	06/27/06	9:43 AM	28.73	71	0	--	--	--	0
Salon Solutions	GMSG-595	07/11/06	9:31 AM	28.80	70	0	--	--	--	0
Salon Solutions	GMSG-595	08/11/06	10:10 AM	28.97	65	0	--	--	--	0
Salon Solutions	GMSG-595	09/19/06	10:44 AM	28.52	51	T	--	--	--	0
Salon Solutions	GMSG-595	10/09/06	4:02 PM	29.09	48	0	--	--	--	0
Salon Solutions	GMSG-595	02/03/07	3:50 PM	28.60	-2	0	--	--	--	0
Salon Solutions	GMSG-595	04/04/07	3:06 PM	28.68	21	T	--	--	--	0
Salon Solutions	GMSG-595	07/18/07	2:32 PM	29.85	83	0	--	--	--	0
Salon Solutions	GMSG-595	10/18/07	10:11 AM	29.24	60	0.1	--	--	--	0
Salon Solutions	GMSG-595	01/14/08	4:07 PM	29.96	23	0	--	--	--	0
Salon Solutions	GMSG-595	04/14/08	2:36 PM	30.19	48	0	--	--	--	0
Salon Solutions	GMSG-595	07/09/08	11:06 AM	29.88	71	0	--	--	--	0
Salon Solutions	GMSG-595	10/21/08	11:36 AM	30.43	44	0	--	--	--	0
Salon Solutions	GMSG-595	01/06/09	11:56 AM	28.39	13	0	--	--	--	0
Salon Solutions	GMSG-595	04/02/09	9:34 AM	28.48	36	0	--	--	--	0
Salon Solutions	GMSG-595	07/31/09	6:33 AM	28.64	56	0	--	--	--	0
Salon Solutions	GMSG-595	10/22/09	2:52 PM	28.87	41	0	--	--	--	0
Salon Solutions	GMSG-595	04/20/10	12:02 PM	28.65	68	0	--	--	--	0
Salon Solutions	GMSG-595	11/01/10	3:03 PM	29.11	50	0	--	--	--	0
Salon Solutions	GMSG-595	07/09/11	12:40 PM	28.64	75	T	--	--	--	0
Salon Solutions	GMSG-595	10/24/12	12:22 PM	28.61	59	0	--	--	--	0
Salon Solutions	GMSG-595	11/06/13	2:31 PM	28.61	36	T	--	--	--	0
Salon Solutions	GMSG-595	08/13/14	8:26 AM	28.75	65	0	--	--	--	0
Salon Solutions	GMSG-595	08/07/15	10:53 AM	28.64	62	T	--	--	--	0
Salon Solutions	GMSG-596	06/15/06	1:37 PM	28.84	78	0	--	--	--	0
Salon Solutions	GMSG-596	06/23/06	10:47 AM	29.00	69	0	--	--	--	0
Salon Solutions	GMSG-596	06/27/06	9:39 AM	28.73	71	0	--	--	--	0
Salon Solutions	GMSG-596	07/11/06	9:28 AM	28.80	67	0	--	--	--	0
Salon Solutions	GMSG-596	08/11/06	10:07 AM	28.97	65	0	--	--	--	0
Salon Solutions	GMSG-596	09/19/06	10:46 AM	28.52	51	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Salon Solutions	GMSG-596	10/09/06	3:53 PM	29.09	48	0	--	--	--	0
Salon Solutions	GMSG-596	02/05/07	12:09 PM	29.10	3	0	--	--	--	0
Salon Solutions	GMSG-596	04/04/07	3:03 PM	28.68	21	T	--	--	--	0
Salon Solutions	GMSG-596	07/18/07	2:34 PM	29.85	83	0	--	--	--	0
Salon Solutions	GMSG-596	10/18/07	10:28 AM	29.24	60	0.1	--	--	--	0
Salon Solutions	GMSG-596	01/14/08	4:11 PM	29.96	23	0	--	--	--	0
Salon Solutions	GMSG-596	04/14/08	2:34 PM	30.19	48	0	--	--	--	0
Salon Solutions	GMSG-596	07/09/08	11:08 AM	29.88	71	0	--	--	--	0
Salon Solutions	GMSG-596	10/21/08	11:38 AM	30.43	44	0	--	--	--	0
Salon Solutions	GMSG-596	04/02/09	9:36 AM	28.48	36	0	--	--	--	0
Salon Solutions	GMSG-596	07/31/09	6:27 AM	28.63	54	0	--	--	--	0
Salon Solutions	GMSG-596	10/22/09	2:54 PM	28.87	41	0	--	--	--	0
Salon Solutions	GMSG-596	04/20/10	12:00 PM	28.65	68	0	--	--	--	0
Salon Solutions	GMSG-596	11/01/10	3:05 PM	29.11	50	0	--	--	--	0
Salon Solutions	GMSG-596	07/09/11	12:37 PM	28.64	75	T	--	--	--	0
Salon Solutions	GMSG-596	10/24/12	12:24 PM	28.61	59	0	--	--	--	0
Salon Solutions	GMSG-596	11/08/13	12:15 PM	28.86	39	0	--	--	--	0
Salon Solutions	GMSG-596	08/13/14	8:21 AM	28.75	65	0	--	--	--	0
Salon Solutions	GMSG-596	08/07/15	10:49 AM	28.64	62	T	--	--	--	0
Salvation Army Break of Life	GMSG-133	06/05/03	4:16 PM	28.69	74	0	0	0.3	19.8	0
Salvation Army Break of Life	GMSG-133	06/13/03	1:17 PM	28.62	77	0	0	0.4	19.2	0
Salvation Army Break of Life	GMSG-133	06/19/03	1:01 PM	28.97	68	0	0	0.5	19.1	0
Salvation Army Break of Life	GMSG-133	07/21/03	12:05 PM	28.57	71	0	0	0.4	19.3	0
Salvation Army Break of Life	GMSG-133	08/05/03	2:35 PM	28.69	76	T	0	0.4	19	0
Salvation Army Break of Life	GMSG-133	09/26/03	2:07 PM	28.36	54	T	0	0.8	18.7	0
Salvation Army Break of Life	GMSG-133	11/03/03	2:40 PM	29.02	32	T	0	0.4	19.2	0
Salvation Army Break of Life	GMSG-133	01/21/04	9:20 AM	28.46	13	T	0	0.1	19	0
Salvation Army Break of Life	GMSG-133	04/18/04	3:27 PM	28.38	55	0	0	0.1	17.5	0
Salvation Army Break of Life	GMSG-133	07/14/04	11:26 AM	28.68	75	0	0	0.7	18.7	0
Salvation Army Break of Life	GMSG-133	10/31/04	12:33 PM	--	--	--	0	0.4	19.6	0
Salvation Army Break of Life	GMSG-133	02/07/05	1:41 PM	28.87	28	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	04/05/05	7:38 AM	28.57	45	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	07/05/05	2:12 PM	28.87	68	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	10/11/05	3:00 PM	28.99	57	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	02/28/06	12:19 PM	28.76	20	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	04/10/06	10:50 AM	28.81	56	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Salvation Army Break of Life	GMSG-133	07/13/06	1:15 PM	28.76	92	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	10/11/06	7:38 AM	28.13	43	0.04	--	--	--	0
Salvation Army Break of Life	GMSG-133	02/03/07	9:07 AM	28.44	-6	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	04/05/07	10:27 AM	28.88	20	T	--	--	--	0
Salvation Army Break of Life	GMSG-133	07/18/07	2:41 PM	29.85	83	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	10/18/07	9:49 AM	29.24	60	0.1	--	--	--	0
Salvation Army Break of Life	GMSG-133	01/15/08	11:41 AM	30.03	23	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	04/14/08	2:56 PM	30.19	48	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	07/09/08	11:18 AM	29.88	71	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	10/21/08	11:44 AM	30.43	44	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	01/06/09	1:13 PM	28.35	16	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	04/02/09	9:45 AM	28.48	36	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	07/31/09	6:39 AM	28.64	56	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	10/22/09	3:04 PM	28.87	41	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	04/20/10	11:42 AM	28.65	68	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	11/01/10	3:15 PM	29.11	50	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	07/09/11	12:30 PM	28.64	75	T	--	--	--	0
Salvation Army Break of Life	GMSG-133	10/24/12	12:33 PM	28.60	59	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	11/06/13	1:40 PM	28.61	36	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	08/13/14	8:13 AM	28.75	65	0	--	--	--	0
Salvation Army Break of Life	GMSG-133	08/03/15	2:38 PM	28.54	71	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	06/23/06	10:40 AM	29.00	69	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	06/27/06	9:57 AM	28.73	71	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	07/05/06	12:42 PM	28.92	72	T	--	--	--	0
Salvation Army Break of Life	GMSG-605	07/13/06	1:20 PM	28.76	92	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	08/11/06	10:23 AM	28.97	65	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	09/19/06	10:52 AM	28.52	51	T	--	--	--	0
Salvation Army Break of Life	GMSG-605	10/11/06	7:41 AM	28.13	43	0.04	--	--	--	0
Salvation Army Break of Life	GMSG-605	02/03/07	9:02 AM	28.44	-6	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	04/05/07	10:30 AM	28.88	21	T	--	--	--	0
Salvation Army Break of Life	GMSG-605	07/18/07	2:43 PM	29.85	83	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	10/18/07	9:54 AM	29.24	60	0.1	--	--	--	0
Salvation Army Break of Life	GMSG-605	01/15/08	11:38 AM	30.03	23	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	04/14/08	2:54 PM	30.19	48	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	07/09/08	11:16 AM	29.88	71	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	10/21/08	11:42 AM	30.43	44	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Salvation Army Break of Life	GMSG-605	01/06/09	1:07 PM	28.35	16	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	04/02/09	9:43 AM	28.48	36	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	07/31/09	6:37 AM	28.64	56	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	10/22/09	3:02 PM	28.87	41	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	04/20/10	11:37 AM	28.65	68	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	11/01/10	3:12 PM	29.11	50	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	07/09/11	12:32 PM	28.64	75	T	--	--	--	0
Salvation Army Break of Life	GMSG-605	10/24/12	12:31 PM	28.60	59	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	11/06/13	1:41 PM	28.61	36	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	08/13/14	8:09 AM	28.75	65	0	--	--	--	0
Salvation Army Break of Life	GMSG-605	08/03/15	2:45 PM	28.54	71	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	06/23/06	10:32 AM	29.00	69	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	06/27/06	9:51 AM	28.73	71	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	07/05/06	12:55 PM	28.92	72	T	--	--	--	0
Salvation Army Break of Life	GMSG-606	07/13/06	1:12 PM	28.76	92	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	08/11/06	10:17 AM	28.97	65	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	09/19/06	10:54 AM	28.52	51	T	--	--	--	0
Salvation Army Break of Life	GMSG-606	10/11/06	7:34 AM	28.13	43	0.04	--	--	--	0
Salvation Army Break of Life	GMSG-606	02/03/07	9:17 AM	28.44	-6	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	04/05/07	10:23 AM	28.88	20	T	--	--	--	0
Salvation Army Break of Life	GMSG-606	07/18/07	2:39 PM	29.85	83	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	10/18/07	9:44 AM	29.24	60	0.1	--	--	--	0
Salvation Army Break of Life	GMSG-606	01/15/08	11:33 AM	30.03	23	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	04/14/08	2:44 PM	30.19	48	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	07/09/08	11:12 AM	29.88	71	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	10/21/08	11:46 AM	30.43	44	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	01/06/09	1:17 PM	28.35	16	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	04/02/09	9:40 AM	28.48	36	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	07/31/09	6:41 AM	28.64	56	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	10/22/09	2:58 PM	28.87	41	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	04/20/10	11:40 AM	28.65	68	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	11/01/10	3:08 PM	29.11	50	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	07/09/11	12:28 PM	28.64	74	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	10/24/12	12:38 PM	28.60	59	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	11/06/13	1:38 PM	28.61	36	0	--	--	--	0
Salvation Army Break of Life	GMSG-606	08/13/14	8:03 AM	28.75	65	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Salvation Army Break of Life	GMSG-606	08/03/15	2:36 PM	28.54	71	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	06/23/06	10:35 AM	29.00	69	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	06/27/06	9:54 AM	28.73	71	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	07/05/06	12:46 PM	28.92	72	T	--	--	--	0
Salvation Army Break of Life	GMSG-607	07/13/06	1:08 PM	28.76	92	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	08/11/06	10:20 AM	28.97	65	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	09/19/06	10:55 AM	28.52	51	T	--	--	--	0
Salvation Army Break of Life	GMSG-607	10/11/06	7:44 AM	28.13	43	0.04	--	--	--	0
Salvation Army Break of Life	GMSG-607	02/03/07	8:58 AM	28.44	-6	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	04/05/07	10:32 AM	28.88	21	T	--	--	--	0
Salvation Army Break of Life	GMSG-607	07/18/07	2:37 PM	29.85	83	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	10/18/07	10:00 AM	29.24	60	0.1	--	--	--	0
Salvation Army Break of Life	GMSG-607	01/15/08	11:35 AM	30.03	23	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	04/14/08	2:51 PM	30.19	48	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	07/09/08	11:14 AM	29.88	71	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	10/21/08	11:48 AM	30.43	44	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	01/06/09	1:23 PM	28.35	16	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	04/02/09	9:42 AM	28.48	36	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	07/31/09	6:43 AM	28.64	56	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	10/22/09	3:00 PM	28.87	41	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	04/20/10	11:38 AM	28.65	68	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	11/01/10	3:10 PM	29.11	50	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	07/09/11	12:26 PM	28.64	74	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	10/24/12	12:48 PM	28.60	59	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	11/09/13	1:29 PM	28.39	40	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	08/21/14	2:37 PM	28.69	69	0	--	--	--	0
Salvation Army Break of Life	GMSG-607	08/03/15	2:08 PM	28.53	68	T	--	--	--	0
Smith Castings	GMSG-65	02/14/02	3:28 PM	28.45	43	0	0	0.1	20.5	--
Smith Castings	GMSG-65	02/16/02	12:25 PM	28.57	33	0	0	0.1	20	--
Smith Castings	GMSG-65	03/01/02	3:28 PM	29.07	19	0	0	0.1	19.9	--
Smith Castings	GMSG-65	03/12/02	11:09 AM	28.76	29	0	0	0.1	20.3	--
Smith Castings	GMSG-65	04/15/02	10:08 AM	28.49	74	0	0	0.1	20.2	--
Smith Castings	GMSG-65	05/16/02	12:47 PM	28.74	49	0	0	0.1	20.3	--
Smith Castings	GMSG-65	09/30/02	3:08 PM	28.53	74	0	0	0.9	19.6	0
Smith Castings	GMSG-65	11/20/02	12:48 PM	28.70	35	T	0	0.4	19.4	0
Smith Castings	GMSG-65	01/29/03	2:20 PM	29.06	16	0	0	0.1	19.5	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Smith Castings	GMSG-65	04/21/03	12:56 PM	28.54	41	T	0	0.2	19.5	0
Smith Castings	GMSG-65	08/04/03	12:50 PM	28.74	69	0.04	0	0.6	18.6	0
Smith Castings	GMSG-65	10/28/03	12:23 PM	28.10	44	T	0	0.5	18.6	0
Smith Castings	GMSG-65	10/30/03	1:51 PM	28.60	44	T	--	--	--	--
Smith Castings	GMSG-65	11/12/03	9:59 AM	28.35	38	T	--	--	--	--
Smith Castings	GMSG-65	11/24/03	2:42 PM	28.35	16	T	--	--	--	--
Smith Castings	GMSG-65	12/08/03	10:23 AM	28.69	35	0	--	--	--	--
Smith Castings	GMSG-65	12/15/03	2:33 PM	28.49	26	0	--	--	--	--
Smith Castings	GMSG-65	01/20/04	9:50 AM	29.08	3	0	0	0.2	18.6	0
Smith Castings	GMSG-65	04/18/04	9:56 AM	28.57	45	T	0	0.3	17.2	0
Smith Castings	GMSG-65	07/14/04	5:25 PM	28.67	77	0	0	0.4	18.7	0
Smith Castings	GMSG-65	10/30/04	11:25 AM	27.95	49	T	0	0.5	19	0
Smith Castings	GMSG-65	01/25/05	3:36 PM	28.26	27	0	0	0.3	19.1	0
Smith Castings	GMSG-65	04/05/05	9:01 AM	28.58	52	0	--	--	--	0
Smith Castings	GMSG-65	07/01/05	1:57 PM	28.71	64	0	--	--	--	0
Smith Castings	GMSG-65	10/14/05	2:09 PM	28.62	68	0	--	--	--	0
Smith Castings	GMSG-65	02/28/06	1:49 PM	28.74	26	0	--	--	--	0
Smith Castings	GMSG-65	04/05/06	3:48 PM	28.70	56	0	--	--	--	0
Smith Castings	GMSG-65	04/14/06	3:30 PM	28.38	68	0	--	--	--	0
Smith Castings	GMSG-65	07/17/06	10:49 AM	28.59	89	0	--	--	--	0
Smith Castings	GMSG-65	10/10/06	7:49 AM	29.00	34	0	--	--	--	0
Smith Castings	GMSG-65	02/02/07	1:38 PM	28.37	18	0	--	--	--	0
Smith Castings	GMSG-65	04/06/07	12:50 PM	28.74	20	T	--	--	--	0
Smith Castings	GMSG-65	07/20/07	10:09 AM	30.24	67	0	--	--	--	0
Smith Castings	GMSG-65	10/19/07	12:11 PM	28.98	53	T	--	--	--	0
Smith Castings	GMSG-65	01/11/08	2:35 PM	29.59	34	0	--	--	--	0
Smith Castings	GMSG-65	04/28/08	11:00 AM	30.07	35	0	--	--	--	0
Smith Castings	GMSG-65	07/14/08	11:11 AM	29.88	70	0	--	--	--	0
Smith Castings	GMSG-65	10/16/08	11:46 AM	30.26	51	0	--	--	--	0
Smith Castings	GMSG-65	01/22/09	2:50 PM	28.55	23	0	--	--	--	0
Smith Castings	GMSG-65	04/21/09	9:54 AM	28.20	35	T	--	--	--	0
Smith Castings	GMSG-65	07/28/09	12:40 PM	28.46	71	0	--	--	--	0
Smith Castings	GMSG-65	10/20/09	1:44 PM	28.82	47	0	--	--	--	0
Smith Castings	GMSG-65	04/26/10	2:29 PM	28.42	61	0	--	--	--	0
Smith Castings	GMSG-65	11/08/10	1:55 PM	28.64	58	0	--	--	--	0
Smith Castings	GMSG-65	07/10/11	1:11 PM	28.57	83	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Smith Castings	GMSG-65	10/29/12	12:53 PM	29.02	47	0	--	--	--	0
Smith Castings	GMSG-65	11/13/13	10:00 AM	28.82	37	0	--	--	--	0
Smith Castings	GMSG-65	08/25/14	12:39 PM	28.66	83	0	--	--	--	0
Smith Castings	GMSG-65	08/11/15	1:24 PM	28.83	72	0	--	--	--	0
Smith Castings	GMSG-76	07/13/02	10:22 AM	28.79	79	0	0	2.3	17.2	0
Smith Castings	GMSG-76	07/22/02	2:06 PM	28.68	82	0	0	1.4	18.5	0
Smith Castings	GMSG-76	08/12/02	11:30 AM	28.66	80	0	0	2.3	16.4	0
Smith Castings	GMSG-76	09/30/02	3:03 PM	28.53	74	0	0	2.5	15.6	0
Smith Castings	GMSG-76	10/29/02	1:15 PM	28.95	42	0	0	2.8	14.6	0
Smith Castings	GMSG-76	11/19/02	12:22 PM	28.54	44	0	0	2.7	15.9	0
Smith Castings	GMSG-76	01/29/03	2:11 PM	29.06	16	0	0	2.1	17.4	0
Smith Castings	GMSG-76	04/21/03	12:50 PM	28.54	41	T	0	0.5	19	0
Smith Castings	GMSG-76	08/04/03	11:51 AM	28.75	68	T	0	2.2	15.7	0
Smith Castings	GMSG-76	10/28/03	12:17 PM	28.10	44	T	0	2.9	14.5	0
Smith Castings	GMSG-76	10/30/03	1:38 PM	28.60	44	T	--	--	--	--
Smith Castings	GMSG-76	11/12/03	9:55 AM	28.35	38	T	--	--	--	--
Smith Castings	GMSG-76	11/24/03	2:37 PM	28.35	16	T	--	--	--	--
Smith Castings	GMSG-76	12/08/03	10:30 AM	28.66	37	0	--	--	--	--
Smith Castings	GMSG-76	12/15/03	2:22 PM	28.50	25	0	--	--	--	--
Smith Castings	GMSG-76	02/02/04	9:45 AM	28.95	25	0	0	0.7	18.4	0
Smith Castings	GMSG-76	04/18/04	10:06 AM	28.57	45	T	0	0.9	16.1	0
Smith Castings	GMSG-76	07/14/04	5:15 PM	28.67	77	0	0	0.6	18.7	0
Smith Castings	GMSG-76	10/30/04	11:16 AM	27.95	49	T	0	1.2	17.1	0
Smith Castings	GMSG-76	01/25/05	3:25 PM	28.25	27	0	0	1	18.2	0
Smith Castings	GMSG-76	04/05/05	8:55 AM	28.58	52	0	--	--	--	0
Smith Castings	GMSG-76	07/01/05	1:45 PM	28.71	64	0	--	--	--	0
Smith Castings	GMSG-76	10/14/05	2:25 PM	28.62	68	0	--	--	--	0
Smith Castings	GMSG-76	02/28/06	2:22 PM	28.74	26	0	--	--	--	0
Smith Castings	GMSG-76	04/14/06	3:37 PM	28.38	68	0	--	--	--	0
Smith Castings	GMSG-76	07/17/06	11:10 AM	28.59	89	0	--	--	--	0
Smith Castings	GMSG-76	10/10/06	7:34 AM	29.00	34	0	--	--	--	0
Smith Castings	GMSG-76	02/02/07	1:25 PM	28.38	17	0	--	--	--	0
Smith Castings	GMSG-76	04/06/07	1:00 PM	28.74	20	T	--	--	--	0
Smith Castings	GMSG-76	07/20/07	10:02 AM	30.24	67	0	--	--	--	0
Smith Castings	GMSG-76	10/19/07	11:58 AM	28.98	53	T	--	--	--	0
Smith Castings	GMSG-76	01/11/08	3:43 PM	29.63	33	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Smith Castings	GMSG-76	04/28/08	10:55 AM	30.07	35	0	--	--	--	0
Smith Castings	GMSG-76	07/14/08	11:05 AM	29.88	70	0	--	--	--	0
Smith Castings	GMSG-76	10/16/08	11:40 AM	30.26	51	0	--	--	--	0
Smith Castings	GMSG-76	04/21/09	9:40 AM	28.20	35	T	--	--	--	0
Smith Castings	GMSG-76	07/28/09	12:47 PM	28.46	71	0	--	--	--	0
Smith Castings	GMSG-76	10/20/09	1:50 PM	28.82	47	0	--	--	--	0
Smith Castings	GMSG-76	04/26/10	2:34 PM	28.43	61	0	--	--	--	0
Smith Castings	GMSG-76	11/08/10	2:01 PM	28.64	58	0	--	--	--	0
Smith Castings	GMSG-76	07/10/11	12:50 PM	28.57	83	0	--	--	--	0
Smith Castings	GMSG-76	10/29/12	12:50 PM	29.02	47	0	--	--	--	0
Smith Castings	GMSG-76	11/13/13	10:00 AM	28.82	37	0	--	--	--	0
Smith Castings	GMSG-76	08/25/14	12:30 PM	28.66	83	0	--	--	--	0
Smith Castings	GMSG-76	08/11/15	1:14 PM	28.83	72	0	--	--	--	0
Smith Castings	GMSG-434	06/06/05	7:38 AM	28.47	65	0	--	--	--	0
Smith Castings	GMSG-434	06/13/05	9:05 AM	28.58	72	0	--	--	--	0
Smith Castings	GMSG-434	06/21/05	10:18 AM	28.89	80	0	--	--	--	0
Smith Castings	GMSG-434	07/10/05	9:49 AM	28.93	87	0	--	--	--	0
Smith Castings	GMSG-434	08/01/05	9:46 AM	28.87	81	0	--	--	--	0
Smith Castings	GMSG-434	09/12/05	8:28 AM	28.80	73	0	--	--	--	0
Smith Castings	GMSG-434	10/14/05	2:20 PM	28.62	68	0	--	--	--	0
Smith Castings	GMSG-434	02/28/06	2:08 PM	28.74	26	0	--	--	--	0
Smith Castings	GMSG-434	04/14/06	3:35 PM	28.38	68	0	--	--	--	0
Smith Castings	GMSG-434	07/17/06	11:04 AM	28.59	89	0	--	--	--	0
Smith Castings	GMSG-434	10/10/06	7:39 AM	29.00	34	0	--	--	--	0
Smith Castings	GMSG-434	02/02/07	1:16 PM	28.38	17	0	--	--	--	0
Smith Castings	GMSG-434	04/06/07	12:56 PM	28.74	20	T	--	--	--	0
Smith Castings	GMSG-434	07/20/07	10:00 AM	30.24	67	0	--	--	--	0
Smith Castings	GMSG-434	10/19/07	12:02 PM	28.98	53	T	--	--	--	0
Smith Castings	GMSG-434	01/11/08	2:14 PM	29.57	34	0	--	--	--	0
Smith Castings	GMSG-434	04/28/08	10:54 AM	30.07	35	0	--	--	--	0
Smith Castings	GMSG-434	07/14/08	11:02 AM	29.88	70	0	--	--	--	0
Smith Castings	GMSG-434	10/16/08	11:37 AM	30.26	51	0	--	--	--	0
Smith Castings	GMSG-434	01/22/09	2:45 PM	28.55	23	0	--	--	--	0
Smith Castings	GMSG-434	04/21/09	9:35 AM	28.20	35	T	--	--	--	0
Smith Castings	GMSG-434	07/28/09	12:50 PM	28.46	71	0	--	--	--	0
Smith Castings	GMSG-434	10/20/09	1:48 PM	28.82	47	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Smith Castings	GMSG-434	04/26/10	2:33 PM	28.43	61	0	--	--	--	0
Smith Castings	GMSG-434	11/08/10	1:58 PM	28.64	58	0	--	--	--	0
Smith Castings	GMSG-434	07/10/11	12:53 PM	28.57	83	0	--	--	--	0
Smith Castings	GMSG-434	10/29/12	12:49 PM	29.02	47	0	--	--	--	0
Smith Castings	GMSG-434	11/13/13	10:00 AM	28.82	37	0	--	--	--	0
Smith Castings	GMSG-434	08/25/14	12:23 PM	28.67	79	0	--	--	--	0
Smith Castings	GMSG-434	08/11/15	1:10 PM	28.83	72	0	--	--	--	0
Smith Castings	GMSG-435	06/06/05	7:42 AM	28.47	65	0	--	--	--	0
Smith Castings	GMSG-435	06/13/05	9:09 AM	28.58	72	0	--	--	--	0
Smith Castings	GMSG-435	06/21/05	10:21 AM	28.89	80	0	--	--	--	0
Smith Castings	GMSG-435	07/10/05	9:54 AM	28.93	87	0	--	--	--	0
Smith Castings	GMSG-435	08/01/05	9:49 AM	28.87	81	0	--	--	--	0
Smith Castings	GMSG-435	09/12/05	8:31 AM	28.78	79	0	--	--	--	0
Smith Castings	GMSG-435	10/14/05	2:30 PM	28.62	68	0	--	--	--	0
Smith Castings	GMSG-435	02/28/06	2:33 PM	28.72	27	0	--	--	--	0
Smith Castings	GMSG-435	04/14/06	3:40 PM	28.38	68	0	--	--	--	0
Smith Castings	GMSG-435	07/17/06	11:15 AM	28.59	89	0	--	--	--	0
Smith Castings	GMSG-435	10/10/06	7:54 AM	29.00	34	0	--	--	--	0
Smith Castings	GMSG-435	02/02/07	1:33 PM	28.37	18	0	--	--	--	0
Smith Castings	GMSG-435	04/06/07	1:03 PM	28.74	20	T	--	--	--	0
Smith Castings	GMSG-435	07/20/07	10:06 AM	30.24	67	0	--	--	--	0
Smith Castings	GMSG-435	10/19/07	11:52 AM	28.98	53	T	--	--	--	0
Smith Castings	GMSG-435	01/11/08	2:30 PM	29.59	34	0	--	--	--	0
Smith Castings	GMSG-435	04/28/08	10:57 AM	30.07	35	0	--	--	--	0
Smith Castings	GMSG-435	07/14/08	11:08 AM	29.88	70	0	--	--	--	0
Smith Castings	GMSG-435	10/16/08	11:43 AM	30.26	51	0	--	--	--	0
Smith Castings	GMSG-435	01/29/09	4:32 PM	28.49	14	T	--	--	--	0
Smith Castings	GMSG-435	04/21/09	9:45 AM	28.20	35	T	--	--	--	0
Smith Castings	GMSG-435	07/28/09	12:43 PM	28.46	71	0	--	--	--	0
Smith Castings	GMSG-435	10/20/09	1:53 PM	28.82	47	0	--	--	--	0
Smith Castings	GMSG-435	04/26/10	2:37 PM	28.43	61	0	--	--	--	0
Smith Castings	GMSG-435	11/08/10	2:04 PM	28.64	58	0	--	--	--	0
Smith Castings	GMSG-435	07/10/11	1:14 PM	28.57	83	0	--	--	--	0
Smith Castings	GMSG-435	10/29/12	12:55 PM	29.02	47	0	--	--	--	0
Smith Castings	GMSG-435	11/13/13	10:00 AM	28.82	37	0	--	--	--	0
Smith Castings	GMSG-435	08/25/14	12:34 PM	28.66	83	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Smith Castings	GMSG-435	08/11/15	1:19 PM	28.83	72	0	--	--	--	0
Smith Castings	GMSG-436	06/06/05	7:46 AM	28.47	65	0	--	--	--	0
Smith Castings	GMSG-436	06/13/05	9:15 AM	28.58	72	0	--	--	--	0
Smith Castings	GMSG-436	06/21/05	10:26 AM	28.89	80	0	--	--	--	0
Smith Castings	GMSG-436	07/10/05	10:00 AM	28.93	87	0	--	--	--	0
Smith Castings	GMSG-436	08/01/05	9:54 AM	28.87	81	0	--	--	--	0
Smith Castings	GMSG-436	09/12/05	8:35 AM	28.78	79	0	--	--	--	0
Smith Castings	GMSG-436	10/14/05	3:24 PM	28.62	68	0	--	--	--	0
Smith Castings	GMSG-436	02/28/06	1:57 PM	28.74	26	0	--	--	--	0
Smith Castings	GMSG-436	04/14/06	3:32 PM	28.38	68	0	--	--	--	0
Smith Castings	GMSG-436	07/17/06	10:58 AM	28.59	89	0	--	--	--	0
Smith Castings	GMSG-436	10/16/06	11:30 AM	28.64	45	0.05	--	--	--	0
Smith Castings	GMSG-436	02/02/07	2:00 PM	28.37	18	0	--	--	--	0
Smith Castings	GMSG-436	04/06/07	12:53 PM	28.74	20	T	--	--	--	0
Smith Castings	GMSG-436	07/20/07	10:13 AM	30.24	67	0	--	--	--	0
Smith Castings	GMSG-436	10/23/07	8:05 AM	29.92	37	0	--	--	--	0
Smith Castings	GMSG-436	01/11/08	2:38 PM	29.59	34	0	--	--	--	0
Smith Castings	GMSG-436	04/28/08	11:02 AM	30.07	35	0	--	--	--	0
Smith Castings	GMSG-436	07/14/08	11:15 AM	29.88	70	0	--	--	--	0
Smith Castings	GMSG-436	10/16/08	11:50 AM	30.26	51	0	--	--	--	0
Smith Castings	GMSG-436	01/29/09	3:30 PM	28.48	15	0	--	--	--	0
Smith Castings	GMSG-436	04/21/09	9:51 AM	28.20	35	T	--	--	--	0
Smith Castings	GMSG-436	10/20/09	1:46 PM	28.82	47	0	--	--	--	0
Smith Castings	GMSG-436	04/30/10	10:33 AM	28.18	70	0	--	--	--	0
Smith Castings	GMSG-436	10/29/12	12:59 PM	29.02	47	0	--	--	--	0
Smith Castings	GMSG-436	11/04/13	5:38 PM	28.74	45	T	--	--	--	0
Smith Castings	GMSG-436	09/30/14	12:44 PM	28.79	54	0	--	--	--	0
Smith Castings	GMSG-436	08/11/15	1:29 PM	28.83	72	0	--	--	--	0
Smith Steel	GMSG-38	08/01/01	8:42 AM	28.92	74	T	0	0	20	--
Smith Steel	GMSG-38	08/09/01	2:47 PM	28.57	83	0	0	0	20.6	--
Smith Steel	GMSG-38	09/11/01	2:28 PM	28.98	61	0.01	0	0.5	19.8	--
Smith Steel	GMSG-38	09/24/01	3:53 PM	29.08	48	0	0	0.5	18.9	--
Smith Steel	GMSG-38	10/21/01	9:47 AM	28.82	46	0	0	0	19.1	--
Smith Steel	GMSG-38	11/13/01	3:30 PM	28.75	48	0	0	2.5	16.4	--
Smith Steel	GMSG-38	02/14/02	3:12 PM	28.45	43	0	0	2.81	15.5	--
Smith Steel	GMSG-38	06/26/02	9:35 AM	28.61	77	0	0	1.4	18.1	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Smith Steel	GMSG-38	09/30/02	2:43 PM	28.53	74	0	0	4.6	13	0
Smith Steel	GMSG-38	11/20/02	1:06 PM	28.70	35	T	0	0.9	18.8	0
Smith Steel	GMSG-38	01/29/03	2:02 PM	29.06	16	0	0	1.5	17.2	0
Smith Steel	GMSG-38	04/22/03	11:39 AM	28.86	48	0	0	0	19.9	0
Smith Steel	GMSG-38	07/21/03	12:58 PM	28.59	66	0.01	0	0.5	18.5	0
Smith Steel	GMSG-38	11/03/03	10:45 AM	29.05	35	0	0	0	19.4	0
Smith Steel	GMSG-38	01/21/04	11:35 AM	28.36	22	T	0	4.1	13.4	0
Smith Steel	GMSG-38	04/17/04	12:56 PM	28.91	64	0	0	1.6	15.4	0
Smith Steel	GMSG-38	07/13/04	11:00 AM	28.60	75	0	0	3.9	13.5	0
Smith Steel	GMSG-38	10/29/04	11:40 AM	28.40	56	0	0	3.9	12.9	0
Smith Steel	GMSG-38	02/07/05	12:31 PM	28.87	28	T	--	--	--	0
Smith Steel	GMSG-38	04/02/05	1:45 PM	28.79	51	0	--	--	--	0
Smith Steel	GMSG-38	07/07/05	8:01 AM	28.97	68	0	--	--	--	0
Smith Steel	GMSG-38	10/11/05	12:15 PM	29.01	60	0	--	--	--	0
Smith Steel	GMSG-38	02/22/06	1:17 PM	28.49	29	0	--	--	--	0
Smith Steel	GMSG-38	04/05/06	3:41 PM	28.70	56	0	--	--	--	0
Smith Steel	GMSG-38	07/07/06	2:33 PM	28.97	84	0	--	--	--	0
Smith Steel	GMSG-38	10/09/06	12:29 PM	29.13	48	0	--	--	--	0
Smith Steel	GMSG-38	02/07/07	2:05 PM	28.81	15	0	--	--	--	0
Smith Steel	GMSG-38	04/02/07	11:40 AM	28.65	42	0	--	--	--	0
Smith Steel	GMSG-38	07/20/07	9:53 AM	30.24	67	0	--	--	--	0
Smith Steel	GMSG-38	10/19/07	12:32 PM	28.99	53	0.01	--	--	--	0
Smith Steel	GMSG-38	01/11/08	2:04 PM	29.57	34	0	--	--	--	0
Smith Steel	GMSG-38	04/28/08	10:48 AM	30.07	35	0	--	--	--	0
Smith Steel	GMSG-38	07/14/08	10:55 AM	29.88	70	0	--	--	--	0
Smith Steel	GMSG-38	10/16/08	11:27 AM	30.27	50	0	--	--	--	0
Smith Steel	GMSG-38	01/22/09	2:20 PM	28.55	23	0	--	--	--	0
Smith Steel	GMSG-38	04/21/09	10:13 AM	28.20	35	T	--	--	--	0
Smith Steel	GMSG-38	10/20/09	2:00 PM	28.82	47	0	--	--	--	0
Smith Steel	GMSG-38	04/27/10	9:15 AM	28.67	45	0	--	--	--	0
Smith Steel	GMSG-38	11/08/10	1:42 PM	28.64	58	0	--	--	--	0
Smith Steel	GMSG-38	07/10/11	12:57 PM	28.57	83	0	--	--	--	0
Smith Steel	GMSG-38	10/29/12	12:36 PM	29.02	47	0	--	--	--	0
Smith Steel	GMSG-38	11/13/13	10:00 AM	28.82	37	0	--	--	--	0
Smith Steel	GMSG-38	08/25/14	12:45 PM	28.66	83	0	--	--	--	0
Smith Steel	GMSG-38	08/11/15	1:49 PM	28.83	75	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Smith Steel	GMSG-66	02/14/02	3:20 PM	28.45	43	0	0	3.3	15.6	--
Smith Steel	GMSG-66	02/16/02	12:18 PM	28.57	33	0	0	1.5	18.3	--
Smith Steel	GMSG-66	04/15/02	10:14 AM	28.49	74	0	0	2.1	16	--
Smith Steel	GMSG-66	05/16/02	12:54 PM	28.74	49	0	0	3.4	15	--
Smith Steel	GMSG-66	09/30/02	3:19 PM	28.53	74	0	0	4.7	13.9	0
Smith Steel	GMSG-66	11/20/02	12:55 PM	28.70	35	T	0	4	13.9	0
Smith Steel	GMSG-66	01/29/03	2:32 PM	29.05	18	0	0	3.6	14.8	0
Smith Steel	GMSG-66	04/21/03	1:03 PM	28.54	41	T	0	1.6	15.4	0
Smith Steel	GMSG-66	08/05/03	8:39 AM	28.73	73	0	0	4.4	13.8	0
Smith Steel	GMSG-66	10/28/03	12:29 PM	28.10	44	T	0	4.2	14.1	0
Smith Steel	GMSG-66	10/30/03	1:53 PM	28.60	44	T	--	--	--	--
Smith Steel	GMSG-66	11/12/03	10:03 AM	28.35	38	T	--	--	--	--
Smith Steel	GMSG-66	11/24/03	2:46 PM	28.35	16	T	--	--	--	--
Smith Steel	GMSG-66	12/08/03	10:26 AM	28.69	35	0	--	--	--	--
Smith Steel	GMSG-66	12/15/03	2:28 PM	28.50	25	0	--	--	--	--
Smith Steel	GMSG-66	01/20/04	1:00 PM	29.04	12	0	0	3.1	15.4	0
Smith Steel	GMSG-66	04/17/04	12:20 PM	28.92	63	0	0	2.3	14.3	0
Smith Steel	GMSG-66	07/13/04	11:15 AM	28.60	75	0	0	3.7	14.5	0
Smith Steel	GMSG-66	10/29/04	11:51 AM	28.40	56	0	0	3.4	14.9	0
Smith Steel	GMSG-66	02/01/05	1:12 PM	29.11	33	0	--	--	--	0
Smith Steel	GMSG-66	04/02/05	1:50 PM	28.79	51	0	--	--	--	0
Smith Steel	GMSG-66	07/01/05	2:09 PM	28.71	64	0	--	--	--	0
Smith Steel	GMSG-66	10/14/05	3:29 PM	28.62	68	0	--	--	--	0
Smith Steel	GMSG-66	02/22/06	1:37 PM	28.50	30	0	--	--	--	0
Smith Steel	GMSG-66	07/07/06	2:45 PM	28.97	84	0	--	--	--	0
Smith Steel	GMSG-66	10/09/06	12:20 PM	29.13	48	0	--	--	--	0
Smith Steel	GMSG-66	02/02/07	1:09 PM	28.38	17	0	--	--	--	0
Smith Steel	GMSG-66	04/02/07	11:47 AM	28.65	42	0	--	--	--	0
Smith Steel	GMSG-66	07/20/07	9:57 AM	30.24	67	0	--	--	--	0
Smith Steel	GMSG-66	10/19/07	12:21 PM	28.98	53	T	--	--	--	0
Smith Steel	GMSG-66	01/11/08	2:11 PM	29.57	34	0	--	--	--	0
Smith Steel	GMSG-66	04/28/08	10:52 AM	30.07	35	0	--	--	--	0
Smith Steel	GMSG-66	07/14/08	11:00 AM	29.88	70	0	--	--	--	0
Smith Steel	GMSG-66	10/16/08	11:34 AM	30.26	51	0	--	--	--	0
Smith Steel	GMSG-66	01/22/09	2:30 PM	28.55	23	0	--	--	--	0
Smith Steel	GMSG-66	04/21/09	10:03 AM	28.20	35	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Smith Steel	GMSG-66	07/28/09	12:31 PM	28.46	71	0	--	--	--	0
Smith Steel	GMSG-66	10/20/09	2:05 PM	28.82	47	0	--	--	--	0
Smith Steel	GMSG-66	04/27/10	9:10 AM	28.67	45	0	--	--	--	0
Smith Steel	GMSG-66	11/08/10	1:49 PM	28.64	58	0	--	--	--	0
Smith Steel	GMSG-66	07/10/11	1:06 PM	28.57	83	0	--	--	--	0
Smith Steel	GMSG-66	10/29/12	12:43 PM	29.02	47	0	--	--	--	0
Smith Steel	GMSG-66	11/13/13	10:00 AM	28.82	37	0	--	--	--	0
Smith Steel	GMSG-66	08/12/15	10:05 AM	28.88	72	0	--	--	--	0
Smith Steel	GMSG-432	06/06/05	7:31 AM	28.47	65	0	--	--	--	0
Smith Steel	GMSG-432	06/21/05	10:11 AM	28.89	80	0	--	--	--	0
Smith Steel	GMSG-432	07/10/05	9:40 AM	28.93	87	0	--	--	--	0
Smith Steel	GMSG-432	08/01/05	9:40 AM	28.87	81	0	--	--	--	0
Smith Steel	GMSG-432	09/12/05	8:20 AM	28.80	73	0	--	--	--	0
Smith Steel	GMSG-432	10/11/05	12:40 PM	28.99	60	0	--	--	--	0
Smith Steel	GMSG-432	02/22/06	1:28 PM	28.49	29	0	--	--	--	0
Smith Steel	GMSG-432	04/05/06	3:44 PM	28.70	56	0	--	--	--	0
Smith Steel	GMSG-432	07/07/06	2:38 PM	28.97	84	0	--	--	--	0
Smith Steel	GMSG-432	10/09/06	12:15 PM	29.13	48	0	--	--	--	0
Smith Steel	GMSG-432	02/02/07	12:38 PM	28.38	17	0	--	--	--	0
Smith Steel	GMSG-432	04/02/07	11:44 AM	28.65	42	0	--	--	--	0
Smith Steel	GMSG-432	07/20/07	9:55 AM	30.24	67	0	--	--	--	0
Smith Steel	GMSG-432	10/19/07	12:27 PM	28.98	53	T	--	--	--	0
Smith Steel	GMSG-432	01/11/08	2:07 PM	29.57	34	0	--	--	--	0
Smith Steel	GMSG-432	04/28/08	10:50 AM	30.07	35	0	--	--	--	0
Smith Steel	GMSG-432	07/14/08	10:57 AM	29.88	70	0	--	--	--	0
Smith Steel	GMSG-432	10/16/08	11:31 AM	30.26	51	0	--	--	--	0
Smith Steel	GMSG-432	01/22/09	2:10 PM	28.55	23	0	--	--	--	0
Smith Steel	GMSG-432	04/21/09	9:58 AM	28.20	35	T	--	--	--	0
Smith Steel	GMSG-432	07/28/09	12:17 PM	28.44	72	0	--	--	--	0
Smith Steel	GMSG-432	10/20/09	2:02 PM	28.82	47	0	--	--	--	0
Smith Steel	GMSG-432	04/27/10	9:12 AM	28.67	45	0	--	--	--	0
Smith Steel	GMSG-432	11/08/10	1:47 PM	28.64	58	0	--	--	--	0
Smith Steel	GMSG-432	07/10/11	12:55 PM	28.57	83	0	--	--	--	0
Smith Steel	GMSG-432	10/29/12	12:40 PM	29.02	47	0	--	--	--	0
Smith Steel	GMSG-432	11/13/13	10:00 AM	28.82	37	0	--	--	--	0
Smith Steel	GMSG-432	08/25/14	12:20 PM	28.67	79	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Smith Steel	GMSG-432	08/11/15	1:32 PM	28.83	75	0	--	--	--	0
Smith Steel	GMSG-433	06/06/05	7:34 AM	28.47	65	0	--	--	--	0
Smith Steel	GMSG-433	06/13/05	9:00 AM	28.58	72	0	--	--	--	0
Smith Steel	GMSG-433	06/21/05	10:14 AM	28.89	80	0	--	--	--	0
Smith Steel	GMSG-433	07/10/05	9:46 AM	28.93	87	0	--	--	--	0
Smith Steel	GMSG-433	08/01/05	9:43 AM	28.87	81	0	--	--	--	0
Smith Steel	GMSG-433	09/12/05	8:23 AM	28.80	73	0	--	--	--	0
Smith Steel	GMSG-433	10/11/05	12:30 PM	28.99	60	0	--	--	--	0
Smith Steel	GMSG-433	02/22/06	1:22 PM	28.49	29	0	--	--	--	0
Smith Steel	GMSG-433	04/05/06	3:39 PM	28.70	56	0	--	--	--	0
Smith Steel	GMSG-433	07/07/06	2:27 PM	28.99	84	0	--	--	--	0
Smith Steel	GMSG-433	10/09/06	12:33 PM	29.11	49	0	--	--	--	0
Smith Steel	GMSG-433	02/02/07	1:02 PM	28.38	17	0	--	--	--	0
Smith Steel	GMSG-433	04/02/07	11:35 AM	28.65	42	0	--	--	--	0
Smith Steel	GMSG-433	07/20/07	9:50 AM	30.24	67	0	--	--	--	0
Smith Steel	GMSG-433	10/19/07	12:36 PM	28.99	53	0.01	--	--	--	0
Smith Steel	GMSG-433	01/11/08	2:01 PM	29.57	34	0	--	--	--	0
Smith Steel	GMSG-433	04/28/08	10:46 AM	30.07	35	0	--	--	--	0
Smith Steel	GMSG-433	07/14/08	10:53 AM	29.88	70	0	--	--	--	0
Smith Steel	GMSG-433	10/16/08	11:29 AM	30.27	50	0	--	--	--	0
Smith Steel	GMSG-433	01/22/09	2:20 PM	28.55	23	0	--	--	--	0
Smith Steel	GMSG-433	04/21/09	10:10 AM	28.20	35	T	--	--	--	0
Smith Steel	GMSG-433	07/28/09	12:22 PM	28.44	72	0	--	--	--	0
Smith Steel	GMSG-433	10/20/09	1:58 PM	28.82	47	0	--	--	--	0
Smith Steel	GMSG-433	04/27/10	9:17 AM	28.67	45	0	--	--	--	0
Smith Steel	GMSG-433	11/08/10	1:44 PM	28.64	58	0	--	--	--	0
Smith Steel	GMSG-433	07/10/11	1:00 PM	28.57	83	0	--	--	--	0
Smith Steel	GMSG-433	10/29/12	12:38 PM	29.02	47	0	--	--	--	0
Smith Steel	GMSG-433	11/13/13	10:00 AM	28.82	37	0	--	--	--	0
Smith Steel	GMSG-433	08/25/14	12:12 PM	28.67	79	0	--	--	--	0
Smith Steel	GMSG-433	08/11/15	1:45 PM	28.83	75	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	07/15/02	10:44 AM	28.86	87	0	0	1.3	19.9	0
Superior Land Fastening Systems, Inc	GMSG-88	07/22/02	2:20 PM	28.68	82	0	0	1.5	19.3	0
Superior Land Fastening Systems, Inc	GMSG-88	08/12/02	12:05 PM	28.66	80	0	0	2.6	18.1	0
Superior Land Fastening Systems, Inc	GMSG-88	09/27/02	1:04 PM	28.70	62	0	0	3.8	16.4	0
Superior Land Fastening Systems, Inc	GMSG-88	10/29/02	10:34 AM	28.99	39	0	0	3.4	17	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Superior Land Fastening Systems, Inc	GMSG-88	11/19/02	12:04 PM	28.54	44	0	0	5.4	14.3	0
Superior Land Fastening Systems, Inc	GMSG-88	01/28/03	12:16 PM	28.76	22	0	0	3.4	17.4	0
Superior Land Fastening Systems, Inc	GMSG-88	04/15/03	3:05 PM	28.59	51	0	0	3.5	17.1	0
Superior Land Fastening Systems, Inc	GMSG-88	08/04/03	10:12 AM	28.75	69	0	0	2.4	16.8	0
Superior Land Fastening Systems, Inc	GMSG-88	11/01/03	11:30 AM	29.08	37	0	0	1.7	18	0
Superior Land Fastening Systems, Inc	GMSG-88	01/20/04	8:23 AM	29.06	-13	0	0	1	18.6	0
Superior Land Fastening Systems, Inc	GMSG-88	04/17/04	10:10 AM	28.92	56	0	0	1.2	17.3	0
Superior Land Fastening Systems, Inc	GMSG-88	06/07/04	10:11 AM	28.62	80	0	0	2.5	17.4	0
Superior Land Fastening Systems, Inc	GMSG-88	06/07/04	1:56 PM	28.54	84	0	0	2.6	17.1	0
Superior Land Fastening Systems, Inc	GMSG-88	06/07/04	5:32 PM	28.50	84	0	0	1.4	18.5	0
Superior Land Fastening Systems, Inc	GMSG-88	06/08/04	8:35 AM	28.66	80	0	0	1.8	18.2	0
Superior Land Fastening Systems, Inc	GMSG-88	06/08/04	1:49 PM	28.69	87	0	0	0.8	19.3	0
Superior Land Fastening Systems, Inc	GMSG-88	06/08/04	5:43 PM	28.72	82	0	0	0.8	19.5	0
Superior Land Fastening Systems, Inc	GMSG-88	06/09/04	7:42 AM	28.86	57	0.01	0	1.1	18.9	0
Superior Land Fastening Systems, Inc	GMSG-88	06/09/04	10:13 AM	28.90	55	0.04	0	1	19.2	0
Superior Land Fastening Systems, Inc	GMSG-88	06/09/04	2:12 PM	28.91	54	T	0	0.3	19.4	0
Superior Land Fastening Systems, Inc	GMSG-88	06/09/04	6:09 PM	28.90	52	0	0	1	18.8	0
Superior Land Fastening Systems, Inc	GMSG-88	06/10/04	8:47 AM	28.90	59	0	0	1	18.8	0
Superior Land Fastening Systems, Inc	GMSG-88	06/10/04	11:56 AM	28.86	65	0	0	3.1	16.9	0
Superior Land Fastening Systems, Inc	GMSG-88	06/10/04	2:28 PM	28.83	67	0	0	2.9	16.6	0
Superior Land Fastening Systems, Inc	GMSG-88	06/10/04	4:19 PM	28.81	65	0	0	2.8	16.8	0
Superior Land Fastening Systems, Inc	GMSG-88	06/11/04	8:24 AM	28.77	55	0	0	1.9	17.8	0
Superior Land Fastening Systems, Inc	GMSG-88	06/11/04	11:52 AM	28.79	58	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	06/11/04	3:43 PM	28.77	61	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	06/12/04	9:13 AM	28.74	55	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	06/12/04	1:27 PM	28.68	72	0	0	3	16.7	--
Superior Land Fastening Systems, Inc	GMSG-88	06/12/04	4:27 PM	28.65	78	0	0	2.3	17.5	--
Superior Land Fastening Systems, Inc	GMSG-88	06/13/04	7:30 AM	28.57	65	0	0	2.3	17.6	--
Superior Land Fastening Systems, Inc	GMSG-88	06/13/04	2:28 PM	28.49	64	0	0	4	15.7	--
Superior Land Fastening Systems, Inc	GMSG-88	06/13/04	5:54 PM	28.45	73	0	0	2.7	16.8	--
Superior Land Fastening Systems, Inc	GMSG-88	06/14/04	9:45 AM	28.59	67	0	0	1.4	18.3	0
Superior Land Fastening Systems, Inc	GMSG-88	06/14/04	12:00 PM	28.59	68	0.01	0	1.1	19.3	0
Superior Land Fastening Systems, Inc	GMSG-88	06/14/04	2:28 PM	28.57	72	T	0	1.3	18.7	0
Superior Land Fastening Systems, Inc	GMSG-88	06/14/04	8:09 PM	28.67	64	0	0	0.9	19.4	0
Superior Land Fastening Systems, Inc	GMSG-88	06/15/04	8:03 AM	28.85	58	0	0	0.9	19.5	0
Superior Land Fastening Systems, Inc	GMSG-88	06/15/04	11:59 AM	28.86	67	0	0	0	19.6	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Superior Land Fastening Systems, Inc	GMSG-88	06/15/04	3:23 PM	28.84	70	0	0	2	18.2	0
Superior Land Fastening Systems, Inc	GMSG-88	06/16/04	8:05 AM	28.82	67	0	0	1.1	19	0
Superior Land Fastening Systems, Inc	GMSG-88	06/16/04	11:29 AM	28.80	79	0	0	1.2	19	0
Superior Land Fastening Systems, Inc	GMSG-88	06/16/04	2:14 PM	28.76	82	0	0	1	19.2	0
Superior Land Fastening Systems, Inc	GMSG-88	06/17/04	7:45 AM	28.82	59	T	0	1.1	19.1	0
Superior Land Fastening Systems, Inc	GMSG-88	06/17/04	2:12 PM	28.81	75	0	0	2.3	17.6	0
Superior Land Fastening Systems, Inc	GMSG-88	06/17/04	6:02 PM	28.81	71	0	0	2.1	17.9	0
Superior Land Fastening Systems, Inc	GMSG-88	06/18/04	7:50 AM	28.85	69	0	0	1.2	18.7	0
Superior Land Fastening Systems, Inc	GMSG-88	06/18/04	11:06 AM	28.82	74	0	0	1.2	18.6	0
Superior Land Fastening Systems, Inc	GMSG-88	06/18/04	8:09 PM	28.96	53	0	0	0.9	19.4	0
Superior Land Fastening Systems, Inc	GMSG-88	06/19/04	8:10 AM	29.07	55	0	0	1	19.3	0
Superior Land Fastening Systems, Inc	GMSG-88	06/19/04	11:50 AM	29.03	65	0	0	2.2	18	0
Superior Land Fastening Systems, Inc	GMSG-88	06/19/04	3:36 PM	28.95	66	0	0	3.2	17.1	0
Superior Land Fastening Systems, Inc	GMSG-88	06/20/04	8:33 AM	28.77	66	0	0	3.3	17	0
Superior Land Fastening Systems, Inc	GMSG-88	06/20/04	1:35 PM	28.68	74	0	0	2.1	17.9	0
Superior Land Fastening Systems, Inc	GMSG-88	06/21/04	8:33 AM	28.48	69	0	0	2	18.4	0
Superior Land Fastening Systems, Inc	GMSG-88	06/21/04	12:29 PM	28.44	74	0	0	1.6	18.2	0
Superior Land Fastening Systems, Inc	GMSG-88	06/21/04	5:17 PM	28.43	59	0.13	0	1.9	18.4	0
Superior Land Fastening Systems, Inc	GMSG-88	06/22/04	8:02 AM	28.59	57	0	0	2.1	18	0
Superior Land Fastening Systems, Inc	GMSG-88	06/22/04	2:00 PM	28.61	66	0	0	0.8	19.9	0
Superior Land Fastening Systems, Inc	GMSG-88	06/22/04	4:53 PM	28.60	67	0	0	0.8	19.9	0
Superior Land Fastening Systems, Inc	GMSG-88	06/23/04	7:51 AM	28.68	56	0	0	1.1	19.4	0
Superior Land Fastening Systems, Inc	GMSG-88	06/23/04	2:12 PM	28.65	66	0	0	1.4	18.8	0
Superior Land Fastening Systems, Inc	GMSG-88	06/24/04	7:50 AM	28.63	52	0	0	1.4	18.7	0
Superior Land Fastening Systems, Inc	GMSG-88	06/24/04	1:25 PM	28.74	55	0	0	0.7	19.5	0
Superior Land Fastening Systems, Inc	GMSG-88	06/24/04	3:14 PM	28.78	55	T	0	0.7	19.6	0
Superior Land Fastening Systems, Inc	GMSG-88	06/25/04	7:44 AM	28.79	58	0	0	1.9	17.9	0
Superior Land Fastening Systems, Inc	GMSG-88	06/25/04	2:05 PM	28.76	62	0	0	1.7	18.1	0
Superior Land Fastening Systems, Inc	GMSG-88	06/25/04	5:07 PM	28.76	61	0	0	1	18.7	0
Superior Land Fastening Systems, Inc	GMSG-88	06/26/04	8:04 AM	28.84	56	0	0	1.1	18.7	0
Superior Land Fastening Systems, Inc	GMSG-88	06/26/04	12:14 PM	28.83	61	0	0	0.7	19.1	0
Superior Land Fastening Systems, Inc	GMSG-88	06/26/04	1:25 PM	28.82	64	0	0	0.7	19.1	0
Superior Land Fastening Systems, Inc	GMSG-88	06/26/04	5:29 PM	28.81	66	0	0	0.8	19.1	0
Superior Land Fastening Systems, Inc	GMSG-88	06/27/04	10:04 AM	28.88	66	0	0	0.9	19	0
Superior Land Fastening Systems, Inc	GMSG-88	06/27/04	3:37 PM	28.84	64	T	0	0.9	19	0
Superior Land Fastening Systems, Inc	GMSG-88	06/28/04	10:56 AM	28.83	72	0	0	0.8	19	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Superior Land Fastening Systems, Inc	GMSG-88	06/28/04	1:44 PM	28.80	72	0	0	1	18.5	0
Superior Land Fastening Systems, Inc	GMSG-88	06/29/04	6:14 PM	28.83	67	0.01	0	1.4	19.1	0
Superior Land Fastening Systems, Inc	GMSG-88	06/30/04	8:14 AM	28.80	73	0	0	1.2	18.4	0
Superior Land Fastening Systems, Inc	GMSG-88	07/02/04	10:35 AM	28.93	71	0	0	2.1	17.1	--
Superior Land Fastening Systems, Inc	GMSG-88	07/06/04	10:55 AM	28.66	54	0.08	0	2.1	17.4	0
Superior Land Fastening Systems, Inc	GMSG-88	07/07/04	5:14 PM	28.57	56	T	0	1.3	18.2	0
Superior Land Fastening Systems, Inc	GMSG-88	07/08/04	11:45 AM	28.72	61	0	0	0.9	18.6	0
Superior Land Fastening Systems, Inc	GMSG-88	07/09/04	11:42 AM	28.88	70	0	0	1.3	18.4	0
Superior Land Fastening Systems, Inc	GMSG-88	07/11/04	9:42 AM	28.82	70	0	0	1.4	18.2	0
Superior Land Fastening Systems, Inc	GMSG-88	07/12/04	2:50 PM	28.70	82	0	0	1.8	17.7	--
Superior Land Fastening Systems, Inc	GMSG-88	08/03/04	5:28 PM	28.71	75	0	0	0.6	19.4	--
Superior Land Fastening Systems, Inc	GMSG-88	08/04/04	1:38 PM	28.83	72	0	0	0.7	19	--
Superior Land Fastening Systems, Inc	GMSG-88	08/07/04	3:10 PM	28.83	70	0	0	0.7	18.6	--
Superior Land Fastening Systems, Inc	GMSG-88	08/08/04	1:53 PM	28.81	66	T	0	0.5	18.5	--
Superior Land Fastening Systems, Inc	GMSG-88	08/17/04	12:48 PM	28.69	70	0	0	2.4	17.3	0
Superior Land Fastening Systems, Inc	GMSG-88	08/18/04	11:38 AM	28.37	77	0	0	2.4	17.5	0
Superior Land Fastening Systems, Inc	GMSG-88	10/20/04	12:57 PM	28.88	54	0	0	1.8	17.9	0
Superior Land Fastening Systems, Inc	GMSG-88	01/27/05	12:21 PM	29.34	10	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	04/01/05	2:39 PM	28.73	52	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	07/05/05	10:11 AM	28.86	60	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	10/10/05	9:55 AM	29.00	51	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	02/22/06	9:35 AM	28.50	26	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	04/03/06	10:39 AM	28.59	41	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	07/07/06	11:16 AM	29.05	80	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	10/02/06	12:25 PM	28.65	76	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	01/02/07	11:34 AM	28.89	37	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	04/02/07	4:00 PM	28.71	46	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	07/17/07	12:48 PM	29.94	81	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	10/22/07	1:30 PM	30.01	52	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	01/03/08	2:21 PM	30.07	22	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	04/23/08	2:55 PM	30.15	73	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	07/09/08	2:45 PM	29.90	76	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	10/02/08	2:53 PM	29.75	55	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	01/23/09	11:32 AM	28.58	17	T	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	03/30/09	2:58 PM	28.75	44	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	07/29/09	10:54 AM	28.54	71	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Superior Land Fastening Systems, Inc	GMSG-88	10/19/09	11:57 AM	28.47	63	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	04/23/10	11:11 AM	28.63	63	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	10/28/10	11:55 AM	28.69	40	T	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	07/10/11	9:19 AM	28.60	79	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	11/01/12	2:40 PM	28.54	41	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	11/09/13	12:05 PM	28.38	40	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	08/13/14	4:14 PM	28.77	71	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-88	08/04/15	2:12 PM	28.68	70	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	07/15/02	10:37 AM	28.86	87	0	0	1.5	19.8	0
Superior Land Fastening Systems, Inc	GMSG-89	07/22/02	2:26 PM	28.68	82	0	0	2.2	18.3	0
Superior Land Fastening Systems, Inc	GMSG-89	08/12/02	12:00 PM	28.66	80	0	0	4.3	16.2	0
Superior Land Fastening Systems, Inc	GMSG-89	09/27/02	1:10 PM	28.70	62	0	0	2.7	17.3	0
Superior Land Fastening Systems, Inc	GMSG-89	10/29/02	10:26 AM	28.99	38	0	0	3.8	16.3	0
Superior Land Fastening Systems, Inc	GMSG-89	11/19/02	11:57 AM	28.54	44	0	0	4.6	15.4	0
Superior Land Fastening Systems, Inc	GMSG-89	01/28/03	12:28 PM	28.76	22	0	0	2.5	17.5	0
Superior Land Fastening Systems, Inc	GMSG-89	04/15/03	2:58 PM	28.59	51	0	0	2.5	17.4	0
Superior Land Fastening Systems, Inc	GMSG-89	08/04/03	10:22 AM	28.75	69	0	0	1.7	16.9	0
Superior Land Fastening Systems, Inc	GMSG-89	10/14/03	6:15 PM	28.54	46	0	0	1.9	17.6	0
Superior Land Fastening Systems, Inc	GMSG-89	01/20/04	8:17 AM	29.06	-13	0	0	0.5	18.8	0
Superior Land Fastening Systems, Inc	GMSG-89	04/17/04	10:03 AM	28.92	56	0	0	0.8	17.4	0
Superior Land Fastening Systems, Inc	GMSG-89	06/07/04	10:08 AM	28.62	80	0	0	3.8	16.3	0
Superior Land Fastening Systems, Inc	GMSG-89	06/07/04	1:50 PM	28.54	84	0	0	4.2	15.7	0
Superior Land Fastening Systems, Inc	GMSG-89	06/07/04	5:28 PM	28.51	84	0	0	3.9	16.2	0
Superior Land Fastening Systems, Inc	GMSG-89	06/08/04	8:31 AM	28.66	80	0	0	1.7	18.2	0
Superior Land Fastening Systems, Inc	GMSG-89	06/08/04	1:45 PM	28.69	87	0	0	0	20	0
Superior Land Fastening Systems, Inc	GMSG-89	06/08/04	5:47 PM	28.72	82	0	0	1.2	18.8	0
Superior Land Fastening Systems, Inc	GMSG-89	06/09/04	7:38 AM	28.86	57	0.01	0	1.3	18.6	0
Superior Land Fastening Systems, Inc	GMSG-89	06/09/04	10:11 AM	28.90	55	0.04	0	1.2	18.7	0
Superior Land Fastening Systems, Inc	GMSG-89	06/09/04	2:16 PM	28.91	54	T	0	1.1	18.5	0
Superior Land Fastening Systems, Inc	GMSG-89	06/09/04	6:13 PM	28.90	52	0	0	1.1	18.5	0
Superior Land Fastening Systems, Inc	GMSG-89	06/10/04	8:42 AM	28.90	59	0	0	1.2	18.3	0
Superior Land Fastening Systems, Inc	GMSG-89	06/10/04	11:51 AM	28.86	65	0	0	1.3	18.6	0
Superior Land Fastening Systems, Inc	GMSG-89	06/10/04	2:24 PM	28.83	67	0	0	1.3	18.9	0
Superior Land Fastening Systems, Inc	GMSG-89	06/10/04	4:14 PM	28.81	65	0	0	1.2	18.1	0
Superior Land Fastening Systems, Inc	GMSG-89	06/11/04	8:20 AM	28.77	55	0	0	1.6	18.1	0
Superior Land Fastening Systems, Inc	GMSG-89	06/11/04	11:48 AM	28.79	58	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Superior Land Fastening Systems, Inc	GMSG-89	06/11/04	3:38 PM	28.77	61	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	06/12/04	9:09 AM	28.74	55	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	06/12/04	1:29 PM	28.68	72	0	0	3.4	16.6	--
Superior Land Fastening Systems, Inc	GMSG-89	06/12/04	4:31 PM	28.65	79	0	0	2.3	17.7	--
Superior Land Fastening Systems, Inc	GMSG-89	06/13/04	7:34 AM	28.57	65	0	0	2.5	17.4	--
Superior Land Fastening Systems, Inc	GMSG-89	06/13/04	2:31 PM	28.49	69	0	0	3.3	16.7	--
Superior Land Fastening Systems, Inc	GMSG-89	06/13/04	5:59 PM	28.45	73	0	0	3	16.9	--
Superior Land Fastening Systems, Inc	GMSG-89	06/14/04	9:49 AM	28.59	67	0	0	1.2	19	0
Superior Land Fastening Systems, Inc	GMSG-89	06/14/04	11:57 AM	28.59	68	0.01	0	1.4	18.6	0
Superior Land Fastening Systems, Inc	GMSG-89	06/14/04	2:25 PM	28.57	72	T	0	1.6	18.4	0
Superior Land Fastening Systems, Inc	GMSG-89	06/14/04	8:05 PM	28.67	64	0	0	1.3	18.8	0
Superior Land Fastening Systems, Inc	GMSG-89	06/15/04	7:58 AM	28.85	58	0	0	1.3	18.8	0
Superior Land Fastening Systems, Inc	GMSG-89	06/15/04	11:54 AM	28.86	67	0	0	1.7	19.7	0
Superior Land Fastening Systems, Inc	GMSG-89	06/15/04	3:19 PM	28.84	70	0	0	1.3	18.7	0
Superior Land Fastening Systems, Inc	GMSG-89	06/16/04	8:01 AM	28.82	67	0	0	1.4	18.4	0
Superior Land Fastening Systems, Inc	GMSG-89	06/16/04	11:33 AM	28.77	81	0	0	1.5	18.4	0
Superior Land Fastening Systems, Inc	GMSG-89	06/16/04	2:09 PM	28.76	82	0	0	1.5	18.4	0
Superior Land Fastening Systems, Inc	GMSG-89	06/17/04	7:41 AM	28.82	59	T	0	1.6	18.3	0
Superior Land Fastening Systems, Inc	GMSG-89	06/17/04	2:08 PM	28.81	75	0	0	1.1	18.8	0
Superior Land Fastening Systems, Inc	GMSG-89	06/17/04	5:58 PM	28.81	71	0	0	1	18.9	0
Superior Land Fastening Systems, Inc	GMSG-89	06/18/04	7:55 AM	28.85	69	0	0	1.3	18.4	0
Superior Land Fastening Systems, Inc	GMSG-89	06/18/04	11:04 AM	28.82	74	0	0	1.6	19.6	0
Superior Land Fastening Systems, Inc	GMSG-89	06/18/04	8:05 PM	28.96	53	0	0	1.2	19.1	0
Superior Land Fastening Systems, Inc	GMSG-89	06/19/04	8:02 AM	29.07	55	0	0	1.2	18.8	0
Superior Land Fastening Systems, Inc	GMSG-89	06/19/04	11:44 AM	29.03	65	0	0	1.2	18.9	0
Superior Land Fastening Systems, Inc	GMSG-89	06/19/04	3:20 PM	28.97	69	0	0	1.1	19.3	0
Superior Land Fastening Systems, Inc	GMSG-89	06/20/04	8:26 AM	28.80	64	0	0	1.9	18.4	0
Superior Land Fastening Systems, Inc	GMSG-89	06/20/04	1:31 PM	28.68	74	0	0	2.3	17.9	0
Superior Land Fastening Systems, Inc	GMSG-89	06/21/04	8:29 AM	28.49	66	0	0	1.4	18.6	0
Superior Land Fastening Systems, Inc	GMSG-89	06/21/04	12:25 PM	28.44	74	0	0	0.6	19.4	0
Superior Land Fastening Systems, Inc	GMSG-89	06/21/04	5:13 PM	28.43	59	0.13	0	0.7	19.2	0
Superior Land Fastening Systems, Inc	GMSG-89	06/22/04	7:58 AM	28.59	57	0	0	2.4	17.6	0
Superior Land Fastening Systems, Inc	GMSG-89	06/22/04	1:55 PM	28.61	66	0	0	1.1	19.3	0
Superior Land Fastening Systems, Inc	GMSG-89	06/22/04	4:50 PM	28.60	67	0	0	1.1	19.3	0
Superior Land Fastening Systems, Inc	GMSG-89	06/23/04	7:44 AM	28.68	56	0	0	1.3	18.9	0
Superior Land Fastening Systems, Inc	GMSG-89	06/23/04	2:07 PM	28.65	66	0	0	1.4	18.9	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Superior Land Fastening Systems, Inc	GMSG-89	06/24/04	7:55 AM	28.63	52	0	0	1.4	18.8	0
Superior Land Fastening Systems, Inc	GMSG-89	06/24/04	1:29 PM	28.74	55	0	0	1.2	18.6	0
Superior Land Fastening Systems, Inc	GMSG-89	06/24/04	3:10 PM	28.78	55	T	0	1.2	18.7	0
Superior Land Fastening Systems, Inc	GMSG-89	06/25/04	7:43 AM	28.79	58	0	0	1.2	18.6	0
Superior Land Fastening Systems, Inc	GMSG-89	06/25/04	2:00 PM	28.76	62	0	0	1.4	18.5	0
Superior Land Fastening Systems, Inc	GMSG-89	06/25/04	5:03 PM	28.76	61	0	0	1.3	18.2	0
Superior Land Fastening Systems, Inc	GMSG-89	06/26/04	8:00 AM	28.84	56	0	0	1.3	18.2	0
Superior Land Fastening Systems, Inc	GMSG-89	06/26/04	12:11 PM	28.83	61	0	0	1.1	18.6	0
Superior Land Fastening Systems, Inc	GMSG-89	06/26/04	1:20 PM	28.82	64	0	0	1.1	18.5	0
Superior Land Fastening Systems, Inc	GMSG-89	06/26/04	5:24 PM	28.81	66	0	0	1.1	18.9	0
Superior Land Fastening Systems, Inc	GMSG-89	06/27/04	10:01 AM	28.88	66	0	0	1.1	18.9	0
Superior Land Fastening Systems, Inc	GMSG-89	06/27/04	3:32 PM	28.84	64	T	0	1.1	18.8	8
Superior Land Fastening Systems, Inc	GMSG-89	06/28/04	10:52 AM	28.83	72	0	0	1.2	18.8	0
Superior Land Fastening Systems, Inc	GMSG-89	06/28/04	1:41 PM	28.80	72	0	0	1.1	18.7	0
Superior Land Fastening Systems, Inc	GMSG-89	06/29/04	6:10 PM	28.83	67	0.01	0	1.2	18.6	0
Superior Land Fastening Systems, Inc	GMSG-89	06/30/04	8:09 AM	28.80	73	0	0	1.1	18.6	0
Superior Land Fastening Systems, Inc	GMSG-89	07/02/04	10:40 AM	28.93	71	0	0	1.1	18.2	--
Superior Land Fastening Systems, Inc	GMSG-89	07/06/04	10:49 AM	28.66	54	0.08	0	1.6	17.7	0
Superior Land Fastening Systems, Inc	GMSG-89	07/07/04	5:10 PM	28.57	56	T	0	1.2	18.2	0
Superior Land Fastening Systems, Inc	GMSG-89	07/08/04	11:49 AM	28.72	61	0	0	1	18.4	0
Superior Land Fastening Systems, Inc	GMSG-89	07/09/04	11:38 AM	28.88	70	0	0	1.1	18.7	0
Superior Land Fastening Systems, Inc	GMSG-89	07/11/04	9:37 AM	28.82	70	0	0	1.3	18.3	0
Superior Land Fastening Systems, Inc	GMSG-89	07/12/04	2:54 PM	28.70	82	0	0	1.4	18	--
Superior Land Fastening Systems, Inc	GMSG-89	08/03/04	5:23 PM	28.71	75	0	0	0.8	19.3	--
Superior Land Fastening Systems, Inc	GMSG-89	08/04/04	1:33 PM	28.83	72	0	0	1	18.8	--
Superior Land Fastening Systems, Inc	GMSG-89	08/07/04	3:05 PM	28.83	70	0	0	1	18.3	--
Superior Land Fastening Systems, Inc	GMSG-89	08/08/04	1:49 PM	28.81	66	T	0	0.5	18.3	--
Superior Land Fastening Systems, Inc	GMSG-89	08/17/04	12:43 PM	28.69	70	0	0	1.1	18.8	0
Superior Land Fastening Systems, Inc	GMSG-89	08/18/04	11:30 AM	28.37	77	0	0	3.3	16.9	0
Superior Land Fastening Systems, Inc	GMSG-89	10/20/04	1:03 PM	28.88	54	0	0	1.4	18.1	0
Superior Land Fastening Systems, Inc	GMSG-89	01/27/05	12:12 PM	29.34	10	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	04/01/05	2:41 PM	28.73	52	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	07/05/05	10:07 AM	28.86	60	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	10/10/05	9:50 AM	29.00	51	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	02/22/06	9:25 AM	28.49	23	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	04/03/06	10:36 AM	28.59	41	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Superior Land Fastening Systems, Inc	GMSG-89	07/07/06	11:11 AM	29.05	80	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	10/02/06	12:21 PM	28.65	76	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	01/02/07	11:31 AM	28.89	37	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	04/02/07	3:56 PM	28.71	46	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	07/17/07	12:44 PM	29.94	81	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	10/22/07	1:26 PM	29.99	51	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	01/03/08	2:17 PM	30.07	22	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	04/23/08	2:52 PM	30.15	73	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	07/09/08	2:42 PM	29.90	76	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	10/02/08	2:45 PM	29.75	55	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	01/29/09	4:40 PM	28.48	15	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	03/30/09	2:56 PM	28.75	44	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	07/29/09	10:52 AM	28.54	71	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	10/19/09	11:54 AM	28.47	63	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	04/23/10	11:02 AM	28.63	63	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	10/28/10	11:58 AM	28.69	40	T	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	07/10/11	9:15 AM	28.60	79	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	11/01/12	2:37 PM	28.54	41	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	11/12/13	11:15 AM	29.28	26	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	08/13/14	4:07 PM	28.77	71	0	--	--	--	0
Superior Land Fastening Systems, Inc	GMSG-89	08/04/15	2:09 PM	28.68	70	0	--	--	--	0
Tavonatti	GMSG-453	06/21/05	11:35 AM	28.88	82	0	--	--	--	0
Tavonatti	GMSG-453	06/27/05	4:14 PM	28.74	91	0	--	--	--	0
Tavonatti	GMSG-453	07/05/05	9:30 AM	28.86	60	0	--	--	--	0
Tavonatti	GMSG-453	07/09/05	12:18 PM	28.88	86	0	--	--	--	0
Tavonatti	GMSG-453	08/01/05	11:25 AM	28.86	84	0	--	--	--	5
Tavonatti	GMSG-453	08/09/05	8:56 AM	28.74	77	0	--	--	--	0
Tavonatti	GMSG-453	08/17/05	2:21 PM	28.83	75	0	--	--	--	0
Tavonatti	GMSG-453	08/24/05	1:15 PM	29.01	72	0	--	--	--	0
Tavonatti	GMSG-453	09/01/05	2:11 PM	28.57	79	0	--	--	--	0
Tavonatti	GMSG-453	09/07/05	1:40 PM	29.02	68	0	--	--	--	0
Tavonatti	GMSG-453	09/12/05	11:01 AM	28.76	87	0	--	--	--	0
Tavonatti	GMSG-453	09/20/05	2:54 PM	28.78	79	0	--	--	--	0
Tavonatti	GMSG-453	10/21/05	9:40 AM	28.91	41	0	--	--	--	0
Tavonatti	GMSG-453	02/22/06	9:10 AM	28.49	23	0	--	--	--	0
Tavonatti	GMSG-453	04/03/06	1:52 PM	28.65	43	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Tavonatti	GMSG-453	07/07/06	11:24 AM	29.05	80	0	--	--	--	0
Tavonatti	GMSG-453	10/02/06	11:03 AM	28.66	73	0	--	--	--	0
Tavonatti	GMSG-453	01/02/07	11:04 AM	28.92	34	0	--	--	--	0
Tavonatti	GMSG-453	04/03/07	9:33 AM	28.67	35	T	--	--	--	0
Tavonatti	GMSG-453	07/17/07	12:26 PM	29.95	80	0	--	--	--	0
Tavonatti	GMSG-453	10/18/07	2:19 PM	29.16	68	0	--	--	--	0
Tavonatti	GMSG-453	01/03/08	2:34 PM	30.05	22	0	--	--	--	0
Tavonatti	GMSG-453	04/24/08	9:31 AM	30.11	63	0	--	--	--	0
Tavonatti	GMSG-453	07/10/08	11:45 AM	29.94	74	0	--	--	--	0
Tavonatti	GMSG-453	10/13/08	12:46 PM	30.07	74	0	--	--	--	0
Tavonatti	GMSG-453	01/27/09	11:12 AM	29.02	1	0	--	--	--	0
Tavonatti	GMSG-453	03/30/09	2:03 PM	28.75	43	0	--	--	--	0
Tavonatti	GMSG-453	07/30/09	10:35 AM	28.56	61	T	--	--	--	0
Tavonatti	GMSG-453	10/19/09	11:34 AM	28.47	63	0	--	--	--	0
Tavonatti	GMSG-453	04/23/10	10:50 AM	28.63	63	0	--	--	--	0
Tavonatti	GMSG-453	10/28/10	12:15 PM	28.69	40	T	--	--	--	0
Tavonatti	GMSG-453	07/10/11	10:26 AM	28.61	79	0	--	--	--	0
Tavonatti	GMSG-453	11/01/12	2:04 PM	28.52	44	0	--	--	--	0
Tavonatti	GMSG-453	11/09/13	2:00 PM	28.41	39	T	--	--	--	0
Tavonatti	GMSG-453	08/14/14	12:03 PM	28.84	69	0	--	--	--	0
Tavonatti	GMSG-453	08/07/15	3:42 PM	28.65	64	T	--	--	--	0
Tavonatti	GMSG-454	06/21/05	11:37 AM	28.88	82	0	--	--	--	0
Tavonatti	GMSG-454	06/27/05	4:17 PM	28.74	91	0	--	--	--	0
Tavonatti	GMSG-454	07/05/05	9:33 AM	28.86	60	0	--	--	--	0
Tavonatti	GMSG-454	07/09/05	12:20 PM	28.88	86	0	--	--	--	0
Tavonatti	GMSG-454	08/01/05	11:29 AM	28.86	84	0	--	--	--	5
Tavonatti	GMSG-454	08/09/05	8:53 AM	28.74	77	0	--	--	--	0
Tavonatti	GMSG-454	08/17/05	2:25 PM	28.83	75	0	--	--	--	0
Tavonatti	GMSG-454	08/24/05	1:18 PM	29.01	72	0	--	--	--	0
Tavonatti	GMSG-454	09/01/05	2:14 PM	28.57	79	0	--	--	--	0
Tavonatti	GMSG-454	09/07/05	1:43 PM	29.02	68	0	--	--	--	0
Tavonatti	GMSG-454	09/12/05	11:05 AM	28.76	87	0	--	--	--	0
Tavonatti	GMSG-454	09/20/05	2:56 PM	28.78	79	0	--	--	--	0
Tavonatti	GMSG-454	10/10/05	1:45 PM	28.96	62	0	--	--	--	0
Tavonatti	GMSG-454	04/03/06	1:55 PM	28.65	43	0	--	--	--	0
Tavonatti	GMSG-454	07/07/06	11:41 AM	29.03	83	0	--	--	--	4

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Tavonatti	GMSG-454	10/02/06	11:05 AM	28.66	73	0	--	--	--	0
Tavonatti	GMSG-454	01/02/07	11:07 AM	28.92	34	0	--	--	--	0
Tavonatti	GMSG-454	04/03/07	9:35 AM	28.67	35	T	--	--	--	0
Tavonatti	GMSG-454	07/17/07	12:29 PM	29.95	80	0	--	--	--	0
Tavonatti	GMSG-454	10/18/07	2:31 PM	29.16	66	0	--	--	--	0
Tavonatti	GMSG-454	01/03/08	2:39 PM	30.05	22	0	--	--	--	0
Tavonatti	GMSG-454	04/24/08	9:33 AM	30.11	63	0	--	--	--	0
Tavonatti	GMSG-454	07/10/08	11:47 AM	29.94	74	0	--	--	--	0
Tavonatti	GMSG-454	10/13/08	12:48 PM	30.07	74	0	--	--	--	0
Tavonatti	GMSG-454	03/30/09	2:04 PM	28.75	43	0	--	--	--	0
Tavonatti	GMSG-454	07/30/09	10:33 AM	28.56	61	T	--	--	--	0
Tavonatti	GMSG-454	10/19/09	11:35 AM	28.47	63	0	--	--	--	0
Tavonatti	GMSG-454	04/23/10	10:52 AM	28.63	63	0	--	--	--	0
Tavonatti	GMSG-454	10/28/10	12:17 PM	28.69	40	T	--	--	--	0
Tavonatti	GMSG-454	07/10/11	10:28 AM	28.61	79	0	--	--	--	0
Tavonatti	GMSG-454	11/01/12	2:05 PM	28.54	41	0	--	--	--	0
Tavonatti	GMSG-454	11/09/13	2:00 PM	28.41	39	T	--	--	--	0
Tavonatti	GMSG-454	08/14/14	12:00 PM	28.84	69	0	--	--	--	0
Tavonatti	GMSG-454	08/07/15	3:47 PM	28.65	64	T	--	--	--	0
Tavonatti	GMSG-455	06/21/05	11:40 AM	28.88	82	0	--	--	--	7
Tavonatti	GMSG-455	06/21/05	1:40 PM	28.88	83	0	0.3	6.8	10.6	--
Tavonatti	GMSG-455	06/21/05	4:50 PM	28.88	80	0	--	--	--	8
Tavonatti	GMSG-455	06/22/05	7:30 AM	29.01	68	0	0.6	8.1	8.5	--
Tavonatti	GMSG-455	06/22/05	7:32 AM	29.01	68	0	0.6	7.2	11.5	--
Tavonatti	GMSG-455	06/27/05	4:08 PM	28.74	91	0	--	--	--	16
Tavonatti	GMSG-455	07/05/05	9:37 AM	28.86	60	0	--	--	--	7
Tavonatti	GMSG-455	07/09/05	12:10 PM	28.88	86	0	--	--	--	4
Tavonatti	GMSG-455	08/01/05	11:33 AM	28.85	86	0	--	--	--	7
Tavonatti	GMSG-455	08/09/05	8:49 AM	28.74	77	0	--	--	--	3
Tavonatti	GMSG-455	08/17/05	2:29 PM	28.83	75	0	--	--	--	0
Tavonatti	GMSG-455	08/24/05	1:08 PM	29.01	72	0	--	--	--	3
Tavonatti	GMSG-455	09/01/05	2:06 PM	28.57	79	0	--	--	--	4
Tavonatti	GMSG-455	09/07/05	1:34 PM	29.02	68	0	--	--	--	3
Tavonatti	GMSG-455	09/12/05	10:55 AM	28.76	87	0	--	--	--	0
Tavonatti	GMSG-455	09/20/05	2:48 PM	28.78	79	0	--	--	--	3
Tavonatti	GMSG-455	09/29/05	11:33 AM	28.82	53	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Tavonatti	GMSG-455	10/07/05	12:48 PM	29.02	47	T	--	--	--	4
Tavonatti	GMSG-455	10/10/05	1:30 PM	28.96	62	0	--	--	--	0
Tavonatti	GMSG-455	10/18/05	11:05 AM	28.64	53	0	--	--	--	3
Tavonatti	GMSG-455	10/25/05	1:20 PM	28.91	44	0	--	--	--	4
Tavonatti	GMSG-455	10/25/05	2:02 PM	28.90	45	0	--	--	--	--
Tavonatti	GMSG-455	10/25/05	3:40 PM	28.89	43	0	--	--	--	--
Tavonatti	GMSG-455	10/31/05	3:45 PM	28.70	51	0	--	--	--	3
Tavonatti	GMSG-455	12/07/05	10:44 AM	29.27	21	0	--	--	--	0
Tavonatti	GMSG-455	02/22/06	8:43 AM	28.49	23	0	--	--	--	0
Tavonatti	GMSG-455	04/03/06	1:47 PM	28.65	43	0	--	--	--	0
Tavonatti	GMSG-455	07/07/06	11:33 AM	29.03	83	0	--	--	--	4
Tavonatti	GMSG-455	10/02/06	10:58 AM	28.66	73	0	--	--	--	0
Tavonatti	GMSG-455	01/02/07	10:59 AM	28.92	34	0	--	--	--	0
Tavonatti	GMSG-455	04/03/07	9:28 AM	28.70	36	0	--	--	--	0
Tavonatti	GMSG-455	07/17/07	12:22 PM	29.95	80	0	--	--	--	0
Tavonatti	GMSG-455	10/18/07	2:26 PM	29.16	68	0	--	--	--	0
Tavonatti	GMSG-455	01/03/08	2:27 PM	30.07	22	0	--	--	--	0
Tavonatti	GMSG-455	04/24/08	9:27 AM	30.12	58	0	--	--	--	0
Tavonatti	GMSG-455	07/10/08	11:40 AM	29.94	74	0	--	--	--	0
Tavonatti	GMSG-455	10/13/08	12:42 PM	30.07	74	0	--	--	--	0
Tavonatti	GMSG-455	01/27/09	11:03 AM	29.02	1	0	--	--	--	0
Tavonatti	GMSG-455	03/30/09	1:59 PM	28.75	43	0	--	--	--	0
Tavonatti	GMSG-455	07/30/09	10:30 AM	28.56	61	T	--	--	--	0
Tavonatti	GMSG-455	10/19/09	11:30 AM	28.47	63	0	--	--	--	0
Tavonatti	GMSG-455	04/23/10	10:54 AM	28.63	63	0	--	--	--	0
Tavonatti	GMSG-455	10/28/10	12:19 PM	28.69	40	T	--	--	--	0
Tavonatti	GMSG-455	07/10/11	10:30 AM	28.61	76	T	--	--	--	0
Tavonatti	GMSG-455	11/01/12	2:09 PM	28.52	44	0	--	--	--	0
Tavonatti	GMSG-455	11/09/13	2:00 PM	28.41	39	T	--	--	--	0
Tavonatti	GMSG-455	08/14/14	12:10 PM	28.84	69	0	--	--	--	0
Tavonatti	GMSG-455	08/07/15	3:35 PM	28.65	64	T	--	--	--	0
Tavonatti	GMSG-456	06/21/05	11:33 AM	28.88	82	0	--	--	--	0
Tavonatti	GMSG-456	06/21/05	4:53 PM	28.88	80	0	--	--	--	0
Tavonatti	GMSG-456	06/27/05	4:11 PM	28.74	91	0	--	--	--	0
Tavonatti	GMSG-456	07/05/05	9:28 AM	28.84	60	0	--	--	--	0
Tavonatti	GMSG-456	07/09/05	12:14 PM	28.88	86	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Tavonatti	GMSG-456	08/01/05	11:36 AM	28.85	86	0	--	--	--	0
Tavonatti	GMSG-456	08/17/05	2:16 PM	28.83	75	0	--	--	--	0
Tavonatti	GMSG-456	08/24/05	1:12 PM	29.01	72	0	--	--	--	0
Tavonatti	GMSG-456	09/01/05	2:09 PM	28.57	79	0	--	--	--	0
Tavonatti	GMSG-456	09/07/05	1:37 PM	29.02	68	0	--	--	--	0
Tavonatti	GMSG-456	09/12/05	10:58 AM	28.76	87	0	--	--	--	0
Tavonatti	GMSG-456	09/20/05	2:51 PM	28.78	79	0	--	--	--	0
Tavonatti	GMSG-456	10/10/05	1:35 PM	28.96	62	0	--	--	--	0
Tavonatti	GMSG-456	04/03/06	1:50 PM	28.65	43	0	--	--	--	0
Tavonatti	GMSG-456	07/07/06	11:27 AM	29.05	80	0	--	--	--	0
Tavonatti	GMSG-456	10/02/06	11:01 AM	28.66	73	0	--	--	--	0
Tavonatti	GMSG-456	01/02/07	11:01 AM	28.92	34	0	--	--	--	0
Tavonatti	GMSG-456	04/03/07	9:31 AM	28.67	35	T	--	--	--	0
Tavonatti	GMSG-456	07/17/07	12:24 PM	29.95	80	0	--	--	--	0
Tavonatti	GMSG-456	10/18/07	2:23 PM	29.16	68	0	--	--	--	0
Tavonatti	GMSG-456	01/03/08	2:31 PM	30.05	22	0	--	--	--	0
Tavonatti	GMSG-456	04/24/08	9:29 AM	30.12	58	0	--	--	--	0
Tavonatti	GMSG-456	07/10/08	11:43 AM	29.94	74	0	--	--	--	0
Tavonatti	GMSG-456	10/13/08	12:44 PM	30.07	74	0	--	--	--	0
Tavonatti	GMSG-456	01/27/09	11:07 AM	29.02	1	0	--	--	--	0
Tavonatti	GMSG-456	03/30/09	2:01 PM	28.75	43	0	--	--	--	0
Tavonatti	GMSG-456	07/30/09	10:37 AM	28.56	61	T	--	--	--	0
Tavonatti	GMSG-456	10/19/09	11:32 AM	28.47	63	0	--	--	--	0
Tavonatti	GMSG-456	04/23/10	10:48 AM	28.63	63	0	--	--	--	0
Tavonatti	GMSG-456	10/28/10	12:20 PM	28.69	40	T	--	--	--	0
Tavonatti	GMSG-456	07/10/11	10:24 AM	28.61	79	0	--	--	--	0
Tavonatti	GMSG-456	11/01/12	2:07 PM	28.52	44	0	--	--	--	0
Tavonatti	GMSG-456	11/09/13	2:00 PM	28.41	39	T	--	--	--	0
Tavonatti	GMSG-456	08/14/14	12:05 PM	28.84	69	0	--	--	--	0
Tavonatti	GMSG-456	08/07/15	3:38 PM	28.65	64	T	--	--	--	0
Timber Products Office	GMSG-437	06/06/05	8:03 AM	28.47	65	0	--	--	--	0
Timber Products Office	GMSG-437	06/13/05	10:08 AM	28.56	77	0	--	--	--	0
Timber Products Office	GMSG-437	06/20/05	10:04 AM	28.88	83	0	--	--	--	0
Timber Products Office	GMSG-437	06/21/05	10:03 AM	28.89	80	0	--	--	--	0
Timber Products Office	GMSG-437	07/10/05	10:02 AM	28.93	87	0	--	--	--	0
Timber Products Office	GMSG-437	08/01/05	10:00 AM	28.87	81	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Timber Products Office	GMSG-437	09/12/05	8:40 AM	28.78	79	0	--	--	--	0
Timber Products Office	GMSG-437	10/13/05	12:45 PM	28.80	59	0	--	--	--	0
Timber Products Office	GMSG-437	03/01/06	3:30 PM	28.67	31	0	--	--	--	0
Timber Products Office	GMSG-437	04/11/06	8:36 AM	28.68	59	0	--	--	--	0
Timber Products Office	GMSG-437	07/11/06	1:17 PM	28.79	73	0	--	--	--	0
Timber Products Office	GMSG-437	10/10/06	3:00 PM	28.74	52	0	--	--	--	0
Timber Products Office	GMSG-437	02/05/07	8:40 AM	29.07	-9	0	--	--	--	0
Timber Products Office	GMSG-437	04/04/07	10:08 AM	28.61	20	T	--	--	--	0
Timber Products Office	GMSG-437	07/19/07	11:11 AM	29.99	67	0	--	--	--	0
Timber Products Office	GMSG-437	11/01/07	3:17 PM	30.14	48	0	--	--	--	0
Timber Products Office	GMSG-437	01/11/08	3:24 PM	29.59	34	0	--	--	--	0
Timber Products Office	GMSG-437	04/15/08	1:21 PM	29.90	54	0	--	--	--	0
Timber Products Office	GMSG-437	07/14/08	2:08 PM	29.89	76	0	--	--	--	0
Timber Products Office	GMSG-440	06/06/05	7:59 AM	28.47	65	0	--	--	--	0
Timber Products Office	GMSG-440	06/13/05	10:05 AM	28.56	77	0	--	--	--	0
Timber Products Office	GMSG-440	06/20/05	10:07 AM	28.88	83	0	--	--	--	0
Timber Products Office	GMSG-440	06/21/05	10:05 AM	28.89	80	0	--	--	--	0
Timber Products Office	GMSG-440	07/10/05	10:05 AM	28.93	87	0	--	--	--	0
Timber Products Office	GMSG-440	08/01/05	10:10 AM	28.87	81	0	--	--	--	0
Timber Products Office	GMSG-440	09/12/05	8:49 AM	28.78	79	0	--	--	--	0
Timber Products Office	GMSG-440	10/13/05	12:57 PM	28.80	59	0	--	--	--	0
Timber Products Office	GMSG-440	03/01/06	3:18 PM	28.69	31	0	--	--	--	0
Timber Products Office	GMSG-440	04/11/06	8:33 AM	28.68	59	0	--	--	--	0
Timber Products Office	GMSG-440	07/11/06	1:14 PM	28.79	73	0	--	--	--	0
Timber Products Office	GMSG-440	10/10/06	3:04 PM	28.74	52	0	--	--	--	0
Timber Products Office	GMSG-440	02/05/07	8:26 AM	29.06	-13	0	--	--	--	0
Timber Products Office	GMSG-440	04/04/07	10:04 AM	28.61	20	T	--	--	--	0
Timber Products Office	GMSG-440	07/19/07	11:13 AM	29.99	67	0	--	--	--	0
Timber Products Office	GMSG-440	11/01/07	3:19 PM	30.14	48	0	--	--	--	0
Timber Products Office	GMSG-440	01/11/08	3:27 PM	29.59	34	0	--	--	--	0
Timber Products Office	GMSG-440	04/15/08	1:11 PM	29.90	54	0	--	--	--	0
Timber Products Office	GMSG-440	07/14/08	1:48 PM	29.89	76	0	--	--	--	0
Trico Opportunities	GMSG-429	11/02/03	3:40 PM	28.91	42	0	0	0.4	18.9	0
Trico Opportunities	GMSG-429	11/10/03	1:20 PM	28.86	33	T	0	0.8	18.4	0
Trico Opportunities	GMSG-429	11/17/03	2:00 PM	28.73	46	0	0	0.7	18.5	0
Trico Opportunities	GMSG-429	12/18/03	10:10 AM	28.58	24	0	0	0.4	18.5	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Trico Opportunities	GMSG-429	01/20/04	3:34 PM	28.99	14	0	0	0.2	18.6	0
Trico Opportunities	GMSG-429	02/11/04	5:10 PM	28.79	19	T	0	0.2	18.9	0
Trico Opportunities	GMSG-429	04/18/04	2:38 PM	28.38	55	0	0	0.7	16.6	0
Trico Opportunities	GMSG-429	07/13/04	1:47 PM	28.51	69	0.1	0	0	19.5	0
Trico Opportunities	GMSG-429	10/29/04	12:27 PM	28.40	56	0	0	0.9	18.7	0
Trico Opportunities	GMSG-429	01/28/05	9:53 AM	29.26	13	0	--	--	--	0
Trico Opportunities	GMSG-429	04/02/05	3:38 PM	28.77	51	0	--	--	--	0
Trico Opportunities	GMSG-429	07/06/05	10:57 AM	28.95	70	0	--	--	--	0
Trico Opportunities	GMSG-429	10/11/05	11:40 AM	29.01	60	0	--	--	--	0
Trico Opportunities	GMSG-429	03/01/06	9:28 AM	28.77	12	0	--	--	--	0
Trico Opportunities	GMSG-429	04/10/06	10:38 AM	28.81	56	0	--	--	--	0
Trico Opportunities	GMSG-429	07/10/06	2:57 PM	28.76	74	0	--	--	--	0
Trico Opportunities	GMSG-429	10/09/06	3:33 PM	29.09	48	0	--	--	--	0
Trico Opportunities	GMSG-429	02/02/07	10:57 AM	28.32	4	0	--	--	--	0
Trico Opportunities	GMSG-429	04/04/07	3:18 PM	28.68	21	T	--	--	--	0
Trico Opportunities	GMSG-429	07/18/07	12:00 PM	29.87	82	0	--	--	--	0
Trico Opportunities	GMSG-429	11/01/07	2:20 PM	30.14	48	0	--	--	--	0
Trico Opportunities	GMSG-429	01/14/08	3:47 PM	29.96	23	0	--	--	--	0
Trico Opportunities	GMSG-429	04/24/08	2:39 PM	29.97	63	T	--	--	--	0
Trico Opportunities	GMSG-429	07/16/08	10:23 AM	30.11	80	0	--	--	--	0
Trico Opportunities	GMSG-429	10/14/08	10:51 AM	30.18	51	0	--	--	--	0
Trico Opportunities	GMSG-429	01/22/09	11:19 AM	28.57	22	0	--	--	--	0
Trico Opportunities	GMSG-429	04/21/09	3:12 PM	28.30	35	T	--	--	--	0
Trico Opportunities	GMSG-429	07/29/09	3:26 PM	28.56	70	0	--	--	--	0
Trico Opportunities	GMSG-429	10/20/09	9:25 AM	28.85	44	0	--	--	--	0
Trico Opportunities	GMSG-429	04/22/10	2:08 PM	28.58	56	0	--	--	--	0
Trico Opportunities	GMSG-429	11/01/10	2:45 PM	29.11	50	0	--	--	--	0
Trico Opportunities	GMSG-429	07/09/11	1:05 PM	28.64	75	T	--	--	--	0
Trico Opportunities	GMSG-429	10/24/12	1:26 PM	28.60	59	0	--	--	--	0
Trico Opportunities	GMSG-429	11/11/13	9:00 AM	28.91	23	0	--	--	--	0
Trico Opportunities	GMSG-429	08/22/14	2:32 PM	28.72	74	0	--	--	--	0
Trico Opportunities	GMSG-429	08/03/15	10:46 AM	28.50	73	0	--	--	--	0
Trico Opportunities	GMSG-430	11/02/03	3:35 PM	28.91	42	0	0	1.2	18.1	0
Trico Opportunities	GMSG-430	11/10/03	1:15 PM	28.86	33	T	0	2.2	16.8	0
Trico Opportunities	GMSG-430	11/17/03	1:54 PM	28.73	46	0	0	2.1	17.6	0
Trico Opportunities	GMSG-430	12/18/03	10:02 AM	28.58	24	0	0	2	16.7	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Trico Opportunities	GMSG-430	01/29/04	9:35 AM	28.80	-5	0	0	1.9	17.9	0
Trico Opportunities	GMSG-430	02/11/04	4:50 PM	28.79	19	T	0	0.7	18.7	0
Trico Opportunities	GMSG-430	04/18/04	2:31 PM	28.38	55	0	0	1.4	15.6	0
Trico Opportunities	GMSG-430	07/13/04	1:42 PM	28.51	69	0.1	0	0	19.5	0
Trico Opportunities	GMSG-430	10/29/04	12:33 PM	28.37	57	T	0	1.9	17	0
Trico Opportunities	GMSG-430	01/28/05	10:12 AM	29.26	13	0	--	--	--	0
Trico Opportunities	GMSG-430	04/02/05	3:43 PM	28.77	51	0	--	--	--	0
Trico Opportunities	GMSG-430	07/06/05	10:50 AM	28.95	70	0	--	--	--	0
Trico Opportunities	GMSG-430	10/11/05	11:35 AM	29.01	60	0	--	--	--	0
Trico Opportunities	GMSG-430	03/01/06	9:47 AM	28.76	19	0	--	--	--	0
Trico Opportunities	GMSG-430	04/10/06	10:40 AM	28.81	56	0	--	--	--	0
Trico Opportunities	GMSG-430	07/10/06	3:06 PM	28.76	74	0	--	--	--	0
Trico Opportunities	GMSG-430	10/09/06	3:24 PM	29.10	48	0	--	--	--	0
Trico Opportunities	GMSG-430	02/02/07	10:55 AM	28.40	13	0	--	--	--	0
Trico Opportunities	GMSG-430	04/04/07	3:24 PM	28.68	21	T	--	--	--	0
Trico Opportunities	GMSG-430	07/18/07	12:05 PM	29.87	82	0	--	--	--	0
Trico Opportunities	GMSG-430	11/01/07	2:25 PM	30.14	48	0	--	--	--	0
Trico Opportunities	GMSG-430	01/14/08	3:55 PM	29.96	23	0	--	--	--	0
Trico Opportunities	GMSG-430	04/24/08	2:48 PM	29.97	63	T	--	--	--	0
Trico Opportunities	GMSG-430	07/16/08	10:29 AM	30.11	80	0	--	--	--	0
Trico Opportunities	GMSG-430	10/14/08	10:46 AM	30.18	51	0	--	--	--	0
Trico Opportunities	GMSG-430	01/22/09	11:06 AM	28.57	22	0	--	--	--	0
Trico Opportunities	GMSG-430	04/21/09	3:20 PM	28.30	35	T	--	--	--	0
Trico Opportunities	GMSG-430	07/29/09	3:32 PM	28.56	73	0	--	--	--	0
Trico Opportunities	GMSG-430	10/20/09	9:28 AM	28.85	44	0	--	--	--	0
Trico Opportunities	GMSG-430	04/22/10	2:12 PM	28.58	56	0	--	--	--	0
Trico Opportunities	GMSG-430	11/01/10	2:49 PM	29.11	50	0	--	--	--	0
Trico Opportunities	GMSG-430	07/09/11	12:58 PM	28.64	75	T	--	--	--	0
Trico Opportunities	GMSG-430	10/24/12	1:30 PM	28.59	60	0	--	--	--	0
Trico Opportunities	GMSG-430	11/11/13	9:00 AM	28.91	23	0	--	--	--	0
Trico Opportunities	GMSG-430	08/22/14	2:23 PM	28.71	74	0	--	--	--	0
Trico Opportunities	GMSG-430	08/03/15	10:52 AM	28.50	73	0	--	--	--	0
Trico Opportunities	GMSG-572	05/16/06	9:57 AM	28.63	67	0	--	--	--	0
Trico Opportunities	GMSG-572	05/25/06	9:12 AM	28.33	66	0	--	--	--	0
Trico Opportunities	GMSG-572	06/01/06	10:40 AM	28.91	75	0	--	--	--	0
Trico Opportunities	GMSG-572	07/10/06	3:11 PM	28.76	74	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Trico Opportunities	GMSG-572	08/11/06	9:22 AM	28.97	64	0	--	--	--	0
Trico Opportunities	GMSG-572	09/06/06	3:27 PM	28.87	73	0	--	--	--	0
Trico Opportunities	GMSG-572	10/09/06	3:36 PM	29.09	48	0	--	--	--	0
Trico Opportunities	GMSG-572	02/02/07	11:02 AM	28.40	13	0	--	--	--	0
Trico Opportunities	GMSG-572	04/04/07	3:15 PM	28.68	21	T	--	--	--	0
Trico Opportunities	GMSG-572	07/18/07	11:58 AM	29.87	82	0	--	--	--	0
Trico Opportunities	GMSG-572	11/01/07	2:18 PM	30.14	48	0	--	--	--	0
Trico Opportunities	GMSG-572	01/14/08	3:43 PM	29.96	23	0	--	--	--	0
Trico Opportunities	GMSG-572	04/24/08	2:50 PM	29.97	63	T	--	--	--	0
Trico Opportunities	GMSG-572	07/16/08	10:20 AM	30.11	80	0	--	--	--	0
Trico Opportunities	GMSG-572	10/14/08	10:43 AM	30.18	51	0	--	--	--	0
Trico Opportunities	GMSG-572	01/22/09	11:28 AM	28.57	22	0	--	--	--	0
Trico Opportunities	GMSG-572	04/21/09	3:16 PM	28.30	35	T	--	--	--	0
Trico Opportunities	GMSG-572	07/29/09	3:30 PM	28.56	73	0	--	--	--	0
Trico Opportunities	GMSG-572	10/20/09	9:22 AM	28.85	44	0	--	--	--	0
Trico Opportunities	GMSG-572	04/22/10	2:06 PM	28.58	56	0	--	--	--	0
Trico Opportunities	GMSG-572	11/01/10	2:51 PM	29.11	50	0	--	--	--	0
Trico Opportunities	GMSG-572	07/09/11	1:09 PM	28.64	75	T	--	--	--	0
Trico Opportunities	GMSG-572	10/24/12	1:24 PM	28.60	59	0	--	--	--	0
Trico Opportunities	GMSG-572	11/11/13	9:00 AM	28.91	23	0	--	--	--	0
Trico Opportunities	GMSG-572	08/22/14	2:18 PM	28.71	74	0	--	--	--	0
Trico Opportunities	GMSG-572	08/03/15	10:43 AM	28.50	73	0	--	--	--	0
Trico Opportunities	GMSG-573	05/16/06	9:59 AM	28.63	67	0	--	--	--	0
Trico Opportunities	GMSG-573	05/25/06	9:14 AM	28.33	66	0	--	--	--	0
Trico Opportunities	GMSG-573	06/01/06	10:43 AM	28.91	75	0	--	--	--	0
Trico Opportunities	GMSG-573	07/10/06	3:02 PM	28.76	74	0	--	--	--	0
Trico Opportunities	GMSG-573	08/11/06	9:27 AM	28.97	64	0	--	--	--	0
Trico Opportunities	GMSG-573	09/06/06	3:37 PM	28.86	73	0	--	--	--	0
Trico Opportunities	GMSG-573	10/09/06	3:29 PM	29.10	48	0	--	--	--	0
Trico Opportunities	GMSG-573	02/02/07	10:47 AM	28.32	4	0	--	--	--	0
Trico Opportunities	GMSG-573	04/04/07	3:21 PM	28.68	21	T	--	--	--	0
Trico Opportunities	GMSG-573	07/18/07	12:03 PM	29.87	82	0	--	--	--	0
Trico Opportunities	GMSG-573	11/01/07	2:23 PM	30.14	48	0	--	--	--	0
Trico Opportunities	GMSG-573	01/14/08	3:52 PM	29.96	23	0	--	--	--	0
Trico Opportunities	GMSG-573	04/24/08	2:44 PM	29.97	63	T	--	--	--	0
Trico Opportunities	GMSG-573	07/16/08	10:26 AM	30.11	80	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Trico Opportunities	GMSG-573	10/14/08	10:49 AM	30.18	51	0	--	--	--	0
Trico Opportunities	GMSG-573	04/21/09	3:07 PM	28.30	35	T	--	--	--	0
Trico Opportunities	GMSG-573	10/20/09	9:27 AM	28.85	44	0	--	--	--	0
Trico Opportunities	GMSG-573	04/22/10	2:10 PM	28.58	56	0	--	--	--	0
Trico Opportunities	GMSG-573	11/01/10	2:48 PM	29.11	50	0	--	--	--	0
Trico Opportunities	GMSG-573	07/09/11	1:00 PM	28.64	75	T	--	--	--	0
Trico Opportunities	GMSG-573	10/24/12	1:28 PM	28.60	59	0	--	--	--	0
Trico Opportunities	GMSG-573	11/11/13	9:00 AM	28.91	23	0	--	--	--	0
Trico Opportunities	GMSG-573	08/22/14	2:28 PM	28.71	74	0	--	--	--	0
Trico Opportunities	GMSG-573	08/03/15	10:49 AM	28.50	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	08/01/01	9:48 AM	28.83	73	T	0	0.1	19.8	--
U.S. Regional Post Office	GMSG-43	08/09/01	1:47 PM	28.55	84	0	0	0.1	20.1	--
U.S. Regional Post Office	GMSG-43	10/21/01	11:40 AM	28.81	51	0	0	0.1	20.2	--
U.S. Regional Post Office	GMSG-43	11/13/01	10:32 AM	28.79	44	0	0	0	20.3	--
U.S. Regional Post Office	GMSG-43	02/13/02	10:13 AM	28.92	15	0	0	0	19.9	--
U.S. Regional Post Office	GMSG-43	06/26/02	1:37 PM	28.54	82	0	0	0.1	20.7	--
U.S. Regional Post Office	GMSG-43	09/30/02	11:28 AM	28.59	70	0	0	0.1	20.6	0
U.S. Regional Post Office	GMSG-43	11/20/02	2:07 PM	28.68	32	0.01	0	0.1	19.5	0
U.S. Regional Post Office	GMSG-43	01/28/03	2:50 PM	28.76	23	T	0	0	19.6	0
U.S. Regional Post Office	GMSG-43	04/21/03	2:58 PM	28.59	37	T	0	0	19.9	0
U.S. Regional Post Office	GMSG-43	07/22/03	9:58 AM	28.81	63	0	0	0.3	19.2	0
U.S. Regional Post Office	GMSG-43	11/02/03	3:05 PM	28.91	43	0	0	0.1	19.4	0
U.S. Regional Post Office	GMSG-43	02/02/04	11:52 AM	28.92	27	T	0	0	18.9	0
U.S. Regional Post Office	GMSG-43	04/18/04	1:56 PM	28.42	52	0	0	0	17.7	0
U.S. Regional Post Office	GMSG-43	07/13/04	2:03 PM	28.51	69	0.1	0	0	19	0
U.S. Regional Post Office	GMSG-43	10/29/04	12:47 PM	28.37	57	T	0	0	19.9	0
U.S. Regional Post Office	GMSG-43	02/07/05	1:13 PM	28.87	28	T	--	--	--	0
U.S. Regional Post Office	GMSG-43	04/02/05	3:55 PM	28.77	51	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	07/07/05	8:24 AM	28.97	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	10/11/05	10:35 AM	29.04	54	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	02/22/06	3:37 PM	28.48	31	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	04/06/06	12:45 PM	28.54	56	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	07/10/06	3:55 PM	28.76	75	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	10/09/06	9:28 AM	29.13	46	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	02/01/07	12:14 PM	28.38	15	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	04/04/07	2:21 PM	28.66	21	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
U.S. Regional Post Office	GMSG-43	07/18/07	1:01 PM	29.85	84	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	11/01/07	2:30 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	01/15/08	10:28 AM	30.05	22	T	--	--	--	0
U.S. Regional Post Office	GMSG-43	04/24/08	2:55 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-43	07/16/08	9:33 AM	30.11	80	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	10/17/08	2:55 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-43	01/22/09	1:10 PM	28.54	23	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	04/20/09	3:15 PM	28.27	34	T	--	--	--	0
U.S. Regional Post Office	GMSG-43	07/28/09	8:42 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	10/22/09	2:18 PM	28.85	41	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	04/22/10	1:44 PM	28.58	56	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	11/05/10	12:42 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	07/09/11	10:04 AM	28.66	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	10/24/12	2:09 PM	28.59	60	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	11/06/13	3:10 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-43	08/24/14	2:24 PM	28.76	78	0	--	--	--	0
U.S. Regional Post Office	GMSG-43	08/24/15	11:45 AM	28.50	54	T	--	--	--	0
U.S. Regional Post Office	GMSG-44	08/01/01	9:43 AM	28.83	73	T	0	0	20.1	--
U.S. Regional Post Office	GMSG-44	08/09/01	1:38 PM	28.55	84	0	0	0	20.8	--
U.S. Regional Post Office	GMSG-44	09/11/01	1:55 PM	28.98	61	0.01	0	0.3	20.2	--
U.S. Regional Post Office	GMSG-44	09/25/01	8:24 AM	29.03	43	0	0	0	0	--
U.S. Regional Post Office	GMSG-44	10/21/01	11:56 AM	28.81	51	0	0	0	20.8	--
U.S. Regional Post Office	GMSG-44	11/13/01	10:27 AM	28.80	42	0.01	0	0	20.3	--
U.S. Regional Post Office	GMSG-44	02/13/02	10:18 AM	28.92	15	0	0	0	19.8	--
U.S. Regional Post Office	GMSG-44	06/26/02	1:31 PM	28.54	82	0	0	0.3	20.7	--
U.S. Regional Post Office	GMSG-44	09/30/02	11:32 AM	28.56	73	0	0	0.5	20	0
U.S. Regional Post Office	GMSG-44	11/21/02	10:03 AM	28.68	32	0	0	0	20.7	0
U.S. Regional Post Office	GMSG-44	01/28/03	3:04 PM	28.76	23	T	0	0	19.6	0
U.S. Regional Post Office	GMSG-44	04/21/03	3:03 PM	28.59	37	T	0	0	20.1	0
U.S. Regional Post Office	GMSG-44	07/22/03	9:50 AM	28.81	63	0	0	0.3	19.3	0
U.S. Regional Post Office	GMSG-44	11/02/03	3:15 PM	28.91	43	0	0	0.3	19.2	0
U.S. Regional Post Office	GMSG-44	01/20/04	4:05 PM	28.99	14	0	0	0.1	18.8	0
U.S. Regional Post Office	GMSG-44	04/18/04	1:44 PM	28.42	52	0	0	0.4	17.2	0
U.S. Regional Post Office	GMSG-44	07/13/04	2:08 PM	28.51	69	0.1	0	0.3	18.8	0
U.S. Regional Post Office	GMSG-44	10/29/04	12:53 PM	28.37	57	T	0	0.3	19.5	0
U.S. Regional Post Office	GMSG-44	10/31/04	12:16 PM	--	--	--	0	0	20.1	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
U.S. Regional Post Office	GMSG-44	01/28/05	10:42 AM	29.25	21	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	04/02/05	3:52 PM	28.77	51	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	07/07/05	8:20 AM	28.97	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	10/11/05	10:30 AM	29.04	54	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	02/22/06	3:42 PM	28.48	31	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	04/06/06	12:48 PM	28.54	56	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	07/10/06	3:44 PM	28.76	75	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	10/09/06	2:32 PM	29.10	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	02/01/07	12:20 PM	28.38	15	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	04/04/07	2:34 PM	28.68	21	T	--	--	--	0
U.S. Regional Post Office	GMSG-44	07/18/07	1:32 PM	29.84	86	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	11/01/07	2:37 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	01/15/08	10:46 AM	30.04	22	T	--	--	--	0
U.S. Regional Post Office	GMSG-44	04/24/08	3:01 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-44	07/16/08	9:40 AM	30.11	80	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	10/17/08	3:02 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-44	01/22/09	1:40 PM	28.55	23	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	04/20/09	2:51 PM	28.27	34	T	--	--	--	0
U.S. Regional Post Office	GMSG-44	07/28/09	8:48 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	10/22/09	2:25 PM	28.85	41	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	04/22/10	1:25 PM	28.60	53	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	11/05/10	12:51 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	07/09/11	10:01 AM	28.66	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	10/24/12	1:59 PM	28.59	60	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	11/06/13	3:01 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-44	08/24/14	2:18 PM	28.76	78	0	--	--	--	0
U.S. Regional Post Office	GMSG-44	08/03/15	3:13 PM	28.54	71	0	--	--	--	0
U.S. Regional Post Office	GMSG-59	02/13/02	10:02 AM	28.92	15	0	0	0.4	19.5	--
U.S. Regional Post Office	GMSG-59	02/16/02	1:48 PM	28.59	32	0	0	0.4	19.4	--
U.S. Regional Post Office	GMSG-59	03/01/02	3:17 PM	29.07	19	0	0	0.3	20	--
U.S. Regional Post Office	GMSG-59	03/12/02	10:57 AM	28.76	29	0	0	0.3	20.2	--
U.S. Regional Post Office	GMSG-59	04/15/02	10:00 AM	28.49	74	0	0	0.3	20.1	--
U.S. Regional Post Office	GMSG-59	05/16/02	11:48 AM	28.74	48	0	0	0.4	20.2	--
U.S. Regional Post Office	GMSG-59	09/30/02	11:39 AM	28.56	73	0	0	0.4	20.3	0
U.S. Regional Post Office	GMSG-59	11/20/02	3:00 PM	28.69	32	T	0	0.3	19.3	0
U.S. Regional Post Office	GMSG-59	01/28/03	2:37 PM	28.76	23	T	0	0.3	18.9	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
U.S. Regional Post Office	GMSG-59	04/21/03	2:50 PM	28.59	37	T	0	0.3	19.8	0
U.S. Regional Post Office	GMSG-59	07/22/03	10:13 AM	28.81	63	0	0	0.2	19.4	0
U.S. Regional Post Office	GMSG-59	11/02/03	3:25 PM	28.91	43	0	0	0.1	19.4	0
U.S. Regional Post Office	GMSG-59	01/20/04	3:55 PM	28.99	14	0	0	0.2	18.7	0
U.S. Regional Post Office	GMSG-59	04/18/04	1:26 PM	28.50	50	0	0	0.1	17.6	0
U.S. Regional Post Office	GMSG-59	07/13/04	1:54 PM	28.51	69	0.1	0	0	19.5	0
U.S. Regional Post Office	GMSG-59	10/29/04	12:40 PM	28.37	57	T	0	0.1	19.8	0
U.S. Regional Post Office	GMSG-59	01/28/05	10:22 AM	29.26	13	0	--	--	--	0
U.S. Regional Post Office	GMSG-59	04/02/05	4:01 PM	28.77	51	0	--	--	--	0
U.S. Regional Post Office	GMSG-59	07/06/05	10:07 AM	28.96	69	0	--	--	--	0
U.S. Regional Post Office	GMSG-59	10/11/05	10:25 AM	29.05	45	0	--	--	--	0
U.S. Regional Post Office	GMSG-59	02/22/06	3:49 PM	28.48	31	0	--	--	--	0
U.S. Regional Post Office	GMSG-59	04/06/06	12:53 PM	28.54	56	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	05/25/06	10:10 AM	28.34	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	06/01/06	1:53 PM	28.86	75	T	--	--	--	0
U.S. Regional Post Office	GMSG-577	06/06/06	3:06 PM	28.55	65	0.19	--	--	--	0
U.S. Regional Post Office	GMSG-577	07/10/06	3:19 PM	28.76	74	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	08/11/06	9:34 AM	28.97	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	09/19/06	1:22 PM	28.56	53	T	--	--	--	0
U.S. Regional Post Office	GMSG-577	10/09/06	2:52 PM	29.10	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	02/01/07	12:37 PM	28.38	17	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	04/04/07	2:50 PM	28.68	21	T	--	--	--	0
U.S. Regional Post Office	GMSG-577	07/18/07	1:50 PM	29.84	86	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	11/01/07	2:49 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	01/15/08	11:14 AM	30.04	22	T	--	--	--	0
U.S. Regional Post Office	GMSG-577	04/24/08	3:12 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-577	07/16/08	9:53 AM	30.11	80	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	10/17/08	3:13 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-577	01/22/09	1:55 PM	28.55	23	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	04/20/09	2:14 PM	28.28	34	0.02	--	--	--	0
U.S. Regional Post Office	GMSG-577	07/28/09	9:04 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	10/22/09	2:37 PM	28.87	41	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	04/22/10	1:55 PM	28.58	56	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	11/05/10	1:01 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	07/09/11	9:35 AM	28.66	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	10/24/12	1:42 PM	28.59	60	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
U.S. Regional Post Office	GMSG-577	11/06/13	2:42 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-577	08/24/14	1:59 PM	28.76	78	0	--	--	--	0
U.S. Regional Post Office	GMSG-577	08/03/15	2:58 PM	28.54	71	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	05/25/06	10:06 AM	28.34	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	06/01/06	1:49 PM	28.86	75	T	--	--	--	0
U.S. Regional Post Office	GMSG-578A	06/06/06	3:03 PM	28.55	65	0.19	--	--	--	0
U.S. Regional Post Office	GMSG-578A	07/10/06	3:24 PM	28.76	74	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	08/11/06	9:40 AM	28.97	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	09/19/06	1:18 PM	28.56	53	T	--	--	--	0
U.S. Regional Post Office	GMSG-578A	10/09/06	2:48 PM	29.10	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	02/01/07	12:45 PM	28.38	17	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	04/04/07	2:46 PM	28.68	21	T	--	--	--	0
U.S. Regional Post Office	GMSG-578A	07/18/07	1:44 PM	29.84	86	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	11/01/07	2:46 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	01/15/08	11:10 AM	30.04	22	T	--	--	--	0
U.S. Regional Post Office	GMSG-578A	04/24/08	3:10 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-578A	07/16/08	9:49 AM	30.11	80	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	10/17/08	3:10 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-578A	04/20/09	2:18 PM	28.28	34	0.02	--	--	--	0
U.S. Regional Post Office	GMSG-578A	07/28/09	8:59 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	10/22/09	2:33 PM	28.87	41	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	04/22/10	1:52 PM	28.58	56	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	11/05/10	12:58 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	07/09/11	9:38 AM	28.66	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	10/24/12	1:46 PM	28.59	60	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	11/06/13	2:57 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-578A	08/24/14	2:03 PM	28.76	78	0	--	--	--	0
U.S. Regional Post Office	GMSG-578A	08/03/15	3:02 PM	28.54	71	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	05/25/06	10:07 AM	28.34	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	06/01/06	1:50 PM	28.86	75	T	--	--	--	0
U.S. Regional Post Office	GMSG-578B	06/06/06	3:04 PM	28.55	65	0.19	--	--	--	0
U.S. Regional Post Office	GMSG-578B	07/10/06	3:26 PM	28.76	74	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	08/11/06	9:41 AM	28.97	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	09/19/06	1:19 PM	28.56	53	T	--	--	--	0
U.S. Regional Post Office	GMSG-578B	10/09/06	2:50 PM	29.10	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	02/01/07	12:35 PM	28.38	17	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
U.S. Regional Post Office	GMSG-578B	04/04/07	2:47 PM	28.68	21	T	--	--	--	0
U.S. Regional Post Office	GMSG-578B	07/18/07	1:45 PM	29.84	86	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	11/01/07	2:47 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	01/15/08	11:11 AM	30.04	22	T	--	--	--	0
U.S. Regional Post Office	GMSG-578B	04/24/08	3:11 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-578B	07/16/08	9:50 AM	30.11	80	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	10/17/08	3:11 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-578B	04/20/09	2:20 PM	28.28	34	0.02	--	--	--	0
U.S. Regional Post Office	GMSG-578B	07/28/09	9:00 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	10/22/09	2:34 PM	28.87	41	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	04/22/10	1:53 PM	28.58	56	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	11/05/10	12:59 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	07/09/11	9:39 AM	28.66	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	10/24/12	1:49 PM	28.59	60	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	11/06/13	2:57 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-578B	08/24/14	2:05 PM	28.76	78	0	--	--	--	0
U.S. Regional Post Office	GMSG-578B	08/03/15	3:03 PM	28.54	71	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	05/25/06	10:00 AM	28.34	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	06/01/06	1:46 PM	28.86	75	T	--	--	--	0
U.S. Regional Post Office	GMSG-579A	06/06/06	2:58 PM	28.55	65	0.19	--	--	--	0
U.S. Regional Post Office	GMSG-579A	07/10/06	3:29 PM	28.76	74	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	08/11/06	9:44 AM	28.97	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	09/19/06	1:15 PM	28.56	53	T	--	--	--	0
U.S. Regional Post Office	GMSG-579A	10/09/06	2:43 PM	29.10	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	02/01/07	12:29 PM	28.38	15	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	04/04/07	2:41 PM	28.68	21	T	--	--	--	0
U.S. Regional Post Office	GMSG-579A	07/18/07	1:39 PM	29.84	86	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	11/01/07	2:43 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	01/15/08	11:00 AM	30.04	22	T	--	--	--	0
U.S. Regional Post Office	GMSG-579A	04/24/08	3:07 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-579A	07/16/08	9:46 AM	30.11	80	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	10/17/08	3:07 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-579A	01/22/09	1:50 PM	28.55	23	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	04/20/09	2:25 PM	28.28	34	0.02	--	--	--	0
U.S. Regional Post Office	GMSG-579A	07/28/09	8:54 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	10/22/09	2:29 PM	28.85	41	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
U.S. Regional Post Office	GMSG-579A	04/22/10	1:47 PM	28.58	56	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	11/05/10	12:55 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	07/09/11	9:43 AM	28.66	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	10/24/12	1:50 PM	28.59	60	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	11/06/13	2:52 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-579A	08/24/14	2:09 PM	28.76	78	0	--	--	--	0
U.S. Regional Post Office	GMSG-579A	08/03/15	3:05 PM	28.54	71	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	05/25/06	10:01 AM	28.34	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	06/01/06	1:47 PM	28.86	75	T	--	--	--	0
U.S. Regional Post Office	GMSG-579B	06/06/06	2:59 PM	28.55	65	0.19	--	--	--	0
U.S. Regional Post Office	GMSG-579B	07/10/06	3:31 PM	28.76	75	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	08/11/06	9:45 AM	28.97	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	09/19/06	1:16 PM	28.56	53	T	--	--	--	0
U.S. Regional Post Office	GMSG-579B	10/09/06	2:45 PM	29.10	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	02/01/07	12:30 PM	28.38	17	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	04/04/07	2:42 PM	28.68	21	T	--	--	--	0
U.S. Regional Post Office	GMSG-579B	07/18/07	1:40 PM	29.84	86	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	11/01/07	2:44 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	01/15/08	11:01 AM	30.04	22	T	--	--	--	0
U.S. Regional Post Office	GMSG-579B	04/24/08	3:08 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-579B	07/16/08	9:47 AM	30.11	80	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	10/17/08	3:08 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-579B	01/22/09	1:51 PM	28.55	23	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	04/20/09	2:27 PM	28.28	34	0.02	--	--	--	0
U.S. Regional Post Office	GMSG-579B	07/28/09	8:55 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	10/22/09	2:30 PM	28.87	41	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	04/22/10	1:48 PM	28.58	56	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	11/05/10	12:56 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	07/09/11	9:44 AM	28.66	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	10/24/12	1:52 PM	28.59	60	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	11/06/13	2:52 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-579B	08/24/14	2:10 PM	28.76	78	0	--	--	--	0
U.S. Regional Post Office	GMSG-579B	08/03/15	3:07 PM	28.54	71	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	05/25/06	9:56 AM	28.34	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	06/01/06	1:43 PM	28.86	75	T	--	--	--	0
U.S. Regional Post Office	GMSG-580A	06/06/06	2:55 PM	28.55	65	0.19	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
U.S. Regional Post Office	GMSG-580A	07/10/06	3:36 PM	28.76	75	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	08/11/06	9:49 AM	28.97	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	09/19/06	1:12 PM	28.56	53	T	--	--	--	0
U.S. Regional Post Office	GMSG-580A	10/09/06	2:36 PM	29.10	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	02/01/07	12:23 PM	28.38	15	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	04/04/07	2:37 PM	28.68	21	T	--	--	--	0
U.S. Regional Post Office	GMSG-580A	07/18/07	1:35 PM	29.84	86	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	11/01/07	2:39 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	02/06/08	11:04 AM	29.82	20	T	--	--	--	0
U.S. Regional Post Office	GMSG-580A	04/24/08	3:03 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-580A	07/16/08	9:42 AM	30.11	80	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	10/17/08	3:04 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-580A	04/20/09	2:35 PM	28.27	34	T	--	--	--	0
U.S. Regional Post Office	GMSG-580A	07/28/09	8:51 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	10/22/09	2:27 PM	28.85	41	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	04/22/10	1:27 PM	28.60	53	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	11/05/10	12:53 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	07/09/11	9:50 AM	28.66	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	10/24/12	1:55 PM	28.59	60	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	11/06/13	2:59 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-580A	08/24/14	2:13 PM	28.76	78	0	--	--	--	0
U.S. Regional Post Office	GMSG-580A	08/03/15	3:10 PM	28.54	71	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	05/25/06	9:57 AM	28.34	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	06/01/06	1:44 PM	28.86	75	T	--	--	--	0
U.S. Regional Post Office	GMSG-580B	06/06/06	2:56 PM	28.55	65	0.19	--	--	--	0
U.S. Regional Post Office	GMSG-580B	07/10/06	3:38 PM	28.76	75	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	08/11/06	9:50 AM	28.97	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	09/19/06	1:13 PM	28.56	53	T	--	--	--	0
U.S. Regional Post Office	GMSG-580B	10/09/06	2:38 PM	29.10	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	02/01/07	12:24 PM	28.38	15	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	04/04/07	2:38 PM	28.68	21	T	--	--	--	0
U.S. Regional Post Office	GMSG-580B	07/18/07	1:36 PM	29.84	86	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	11/01/07	2:40 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	02/06/08	11:05 AM	29.82	20	T	--	--	--	0
U.S. Regional Post Office	GMSG-580B	04/24/08	3:04 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-580B	07/16/08	9:43 AM	30.11	80	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
U.S. Regional Post Office	GMSG-580B	10/17/08	3:05 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-580B	04/20/09	2:37 PM	28.27	34	T	--	--	--	0
U.S. Regional Post Office	GMSG-580B	07/28/09	8:52 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	10/22/09	2:28 PM	28.85	41	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	04/22/10	1:28 PM	28.60	53	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	11/05/10	12:54 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	07/09/11	9:51 AM	28.66	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	10/24/12	1:57 PM	28.59	60	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	11/06/13	2:59 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-580B	08/24/14	2:14 PM	28.76	78	0	--	--	--	0
U.S. Regional Post Office	GMSG-580B	08/03/15	3:11 PM	28.54	71	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	05/25/06	9:53 AM	28.34	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	06/01/06	1:39 PM	28.86	75	T	--	--	--	0
U.S. Regional Post Office	GMSG-581A	06/06/06	2:52 PM	28.55	65	0.19	--	--	--	0
U.S. Regional Post Office	GMSG-581A	07/10/06	3:49 PM	28.76	75	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	08/11/06	9:53 AM	28.97	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	09/19/06	1:09 PM	28.56	53	T	--	--	--	0
U.S. Regional Post Office	GMSG-581A	10/09/06	2:27 PM	29.11	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	02/01/07	12:12 PM	28.38	15	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	04/04/07	2:30 PM	28.68	21	T	--	--	--	0
U.S. Regional Post Office	GMSG-581A	07/18/07	1:07 PM	29.85	84	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	11/01/07	2:34 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	01/15/08	10:39 AM	30.04	22	T	--	--	--	0
U.S. Regional Post Office	GMSG-581A	04/24/08	2:59 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-581A	07/16/08	9:37 AM	30.11	80	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	10/17/08	2:59 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-581A	01/22/09	1:30 PM	28.55	23	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	04/20/09	3:02 PM	28.27	34	T	--	--	--	0
U.S. Regional Post Office	GMSG-581A	07/28/09	8:45 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	10/22/09	2:22 PM	28.85	41	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	04/22/10	1:21 PM	28.60	53	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	11/05/10	12:48 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	07/09/11	9:57 AM	28.66	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	10/24/12	2:02 PM	28.59	60	0	--	--	--	0
U.S. Regional Post Office	GMSG-581A	11/06/13	3:03 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-581A	08/24/15	11:50 AM	28.50	54	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
U.S. Regional Post Office	GMSG-581B	05/25/06	9:54 AM	28.34	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	06/01/06	1:40 PM	28.86	75	T	--	--	--	0
U.S. Regional Post Office	GMSG-581B	06/06/06	2:53 PM	28.55	65	0.19	--	--	--	0
U.S. Regional Post Office	GMSG-581B	07/10/06	3:51 PM	28.76	75	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	08/11/06	9:54 AM	28.97	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	09/19/06	1:10 PM	28.56	53	T	--	--	--	0
U.S. Regional Post Office	GMSG-581B	10/09/06	2:29 PM	29.11	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	02/01/07	12:13 PM	28.38	15	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	04/04/07	2:31 PM	28.68	21	T	--	--	--	0
U.S. Regional Post Office	GMSG-581B	07/18/07	1:08 PM	29.85	84	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	11/01/07	2:35 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	01/15/08	10:40 AM	30.04	22	T	--	--	--	0
U.S. Regional Post Office	GMSG-581B	04/24/08	3:00 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-581B	07/16/08	9:38 AM	30.11	80	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	10/17/08	3:00 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-581B	01/22/09	1:31 PM	28.55	23	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	04/20/09	3:04 PM	28.27	34	T	--	--	--	0
U.S. Regional Post Office	GMSG-581B	07/28/09	8:46 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	10/22/09	2:23 PM	28.85	41	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	04/22/10	1:22 PM	28.60	53	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	11/05/10	12:49 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	07/09/11	9:58 AM	28.66	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	10/24/12	2:05 PM	28.59	60	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	11/06/13	3:03 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-581B	09/30/14	2:40 PM	28.77	57	0	--	--	--	0
U.S. Regional Post Office	GMSG-581B	08/24/15	11:53 AM	28.50	54	T	--	--	--	0
U.S. Regional Post Office	GMSG-582	10/09/06	9:23 AM	29.13	46	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	10/20/06	3:20 PM	28.54	44	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	10/25/06	2:28 PM	28.95	44	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	11/15/06	2:07 PM	28.72	43	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	12/19/06	12:29 PM	29.00	37	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	02/01/07	12:05 PM	28.38	15	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	04/04/07	2:27 PM	28.66	21	T	--	--	--	0
U.S. Regional Post Office	GMSG-582	07/18/07	1:03 PM	29.85	84	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	11/01/07	2:32 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	02/05/08	3:24 PM	29.94	35	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
U.S. Regional Post Office	GMSG-582	04/24/08	2:56 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-582	07/16/08	9:35 AM	30.11	80	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	10/17/08	2:57 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-582	01/22/09	1:15 PM	28.54	23	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	04/20/09	3:08 PM	28.27	34	T	--	--	--	0
U.S. Regional Post Office	GMSG-582	07/28/09	8:40 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	10/22/09	2:20 PM	28.85	41	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	04/22/10	1:17 PM	28.60	53	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	11/05/10	12:46 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	07/09/11	10:06 AM	28.66	73	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	10/24/12	2:07 PM	28.59	60	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	11/06/13	3:12 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-582	08/24/14	2:28 PM	28.76	78	0	--	--	--	0
U.S. Regional Post Office	GMSG-582	08/03/15	3:15 PM	28.54	71	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	05/25/06	10:15 AM	28.34	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	06/01/06	1:56 PM	28.86	75	T	--	--	--	0
U.S. Regional Post Office	GMSG-583	06/06/06	3:09 PM	28.55	65	0.19	--	--	--	0
U.S. Regional Post Office	GMSG-583	07/10/06	4:01 PM	28.76	75	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	08/11/06	10:00 AM	28.97	65	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	09/19/06	1:25 PM	28.56	53	T	--	--	--	0
U.S. Regional Post Office	GMSG-583	10/09/06	3:06 PM	29.10	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	02/01/07	12:43 PM	28.38	17	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	04/04/07	2:53 PM	28.68	21	T	--	--	--	0
U.S. Regional Post Office	GMSG-583	07/18/07	1:54 PM	29.84	86	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	11/01/07	3:01 PM	30.14	48	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	01/15/08	11:19 AM	30.04	22	T	--	--	--	0
U.S. Regional Post Office	GMSG-583	04/24/08	3:16 PM	29.97	63	T	--	--	--	0
U.S. Regional Post Office	GMSG-583	07/16/08	9:58 AM	30.11	80	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	10/17/08	3:17 PM	30.26	46	T	--	--	--	0
U.S. Regional Post Office	GMSG-583	01/22/09	2:02 PM	28.55	23	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	04/20/09	2:10 PM	28.28	34	0.02	--	--	--	0
U.S. Regional Post Office	GMSG-583	07/28/09	9:08 AM	28.45	68	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	10/22/09	2:40 PM	28.87	41	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	04/22/10	1:58 PM	28.58	56	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	11/05/10	1:04 PM	28.74	34	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	07/09/11	10:08 AM	28.66	73	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
U.S. Regional Post Office	GMSG-583	10/24/12	1:38 PM	28.59	60	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	11/06/13	3:12 PM	28.61	36	T	--	--	--	0
U.S. Regional Post Office	GMSG-583	08/24/14	1:54 PM	28.76	78	0	--	--	--	0
U.S. Regional Post Office	GMSG-583	08/03/15	2:55 PM	28.54	71	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	10/14/03	5:35 PM	28.54	46	0	0	0.4	19.1	0
United Graphics Sign Corp	GMSG-411	10/29/03	2:51 PM	28.51	41	0	0	0	19.4	0
United Graphics Sign Corp	GMSG-411	11/11/03	2:24 PM	28.48	48	0	0	0	19.5	0
United Graphics Sign Corp	GMSG-411	12/18/03	10:37 AM	28.57	24	0	0	0.1	19.2	0
United Graphics Sign Corp	GMSG-411	01/21/04	10:01 AM	28.43	14	T	0	0.2	18.7	0
United Graphics Sign Corp	GMSG-411	04/18/04	4:22 PM	28.35	58	0	0	0.3	17.6	0
United Graphics Sign Corp	GMSG-411	07/14/04	11:35 AM	28.67	76	0	0	0.4	19.1	0
United Graphics Sign Corp	GMSG-411	10/29/04	2:34 PM	28.35	58	0	0	0.4	19.3	0
United Graphics Sign Corp	GMSG-411	01/28/05	1:37 PM	29.16	26	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	04/05/05	7:59 AM	28.57	45	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	07/05/05	11:44 AM	28.88	64	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	10/12/05	3:25 PM	28.87	56	0.02	--	--	--	0
United Graphics Sign Corp	GMSG-411	02/27/06	3:13 PM	28.83	23	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	04/10/06	11:31 AM	28.78	62	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	07/13/06	11:28 AM	28.78	89	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	10/11/06	11:49 AM	28.05	43	0.01	--	--	--	0
United Graphics Sign Corp	GMSG-411	02/01/07	11:11 AM	28.40	13	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	04/06/07	11:43 AM	28.75	20	T	--	--	--	0
United Graphics Sign Corp	GMSG-411	07/20/07	2:17 PM	30.21	73	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	10/17/07	11:35 AM	29.89	57	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	01/16/08	2:13 PM	29.89	29	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	04/14/08	9:55 AM	30.29	41	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	07/09/08	8:38 AM	29.88	67	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	10/21/08	2:28 PM	30.42	42	T	--	--	--	0
United Graphics Sign Corp	GMSG-411	01/06/09	11:45 AM	28.39	13	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	07/31/09	9:50 AM	28.65	68	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	10/23/09	10:30 AM	28.42	35	0.04	--	--	--	0
United Graphics Sign Corp	GMSG-411	04/19/10	12:50 PM	28.92	61	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	11/03/10	1:38 PM	28.48	53	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	07/08/11	10:54 AM	28.64	79	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	10/22/12	3:23 PM	28.72	63	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	11/06/13	9:57 AM	28.57	36	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
United Graphics Sign Corp	GMSG-411	08/12/14	10:20 AM	28.63	56	0	--	--	--	0
United Graphics Sign Corp	GMSG-411	08/04/15	1:55 PM	28.68	70	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	10/14/03	5:39 PM	28.54	46	0	0	0.8	18.7	0
United Graphics Sign Corp	GMSG-412	10/29/03	2:48 PM	28.51	41	0	0	0.6	18.8	0
United Graphics Sign Corp	GMSG-412	11/11/03	2:29 PM	28.48	48	0	0	0.4	19.1	0
United Graphics Sign Corp	GMSG-412	12/18/03	10:32 AM	28.57	24	0	0	0.4	19	0
United Graphics Sign Corp	GMSG-412	01/21/04	9:55 AM	28.43	14	T	0	0.3	18.5	0
United Graphics Sign Corp	GMSG-412	04/18/04	4:31 PM	28.30	61	0	0	0.3	17.6	0
United Graphics Sign Corp	GMSG-412	07/14/04	11:40 AM	28.67	76	0	0	0.7	18.8	0
United Graphics Sign Corp	GMSG-412	10/29/04	2:40 PM	28.35	58	0	0	0.5	19.4	0
United Graphics Sign Corp	GMSG-412	01/28/05	1:42 PM	29.16	26	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	04/05/05	8:00 AM	28.57	45	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	07/05/05	11:40 AM	28.88	64	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	10/12/05	3:28 PM	28.87	56	0.02	--	--	--	0
United Graphics Sign Corp	GMSG-412	02/27/06	3:03 PM	28.83	23	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	04/10/06	11:33 AM	28.78	62	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	07/13/06	11:23 AM	28.78	89	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	10/11/06	11:52 AM	28.05	43	0.01	--	--	--	0
United Graphics Sign Corp	GMSG-412	02/01/07	11:05 AM	28.40	13	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	04/06/07	11:41 AM	28.75	20	T	--	--	--	0
United Graphics Sign Corp	GMSG-412	07/20/07	2:15 PM	30.21	73	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	10/17/07	11:40 AM	29.89	57	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	01/16/08	2:16 PM	29.89	29	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	04/14/08	9:57 AM	30.29	41	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	07/09/08	8:36 AM	29.88	67	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	10/21/08	2:26 PM	30.42	42	T	--	--	--	0
United Graphics Sign Corp	GMSG-412	07/31/09	9:46 AM	28.65	68	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	10/23/09	10:32 AM	28.42	35	0.04	--	--	--	0
United Graphics Sign Corp	GMSG-412	04/19/10	12:52 PM	28.92	61	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	11/03/10	1:36 PM	28.48	53	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	07/08/11	11:05 AM	28.64	79	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	10/22/12	3:21 PM	28.72	63	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	11/06/13	9:59 AM	28.57	36	T	--	--	--	0
United Graphics Sign Corp	GMSG-412	08/22/14	12:23 PM	28.73	69	0	--	--	--	0
United Graphics Sign Corp	GMSG-412	08/04/15	1:59 PM	28.68	70	0	--	--	--	0
Universal Plumbing	GMSG-417	01/02/03	2:10 PM	28.92	27	0	0	4.1	15.6	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Universal Plumbing	GMSG-417	10/14/03	10:05 AM	28.50	51	0	10.3	11.5	0	12
Universal Plumbing	GMSG-417	10/14/03	3:30 PM	28.50	50	T	10.2	11.3	0	--
Universal Plumbing	GMSG-417	10/27/03	8:21 AM	28.69	30	0	8.9	12.3	0	--
Universal Plumbing	GMSG-417	10/28/03	1:53 PM	28.08	44	T	12.8	11.1	1.2	--
Universal Plumbing	GMSG-417	10/29/03	8:02 AM	28.36	38	T	9.1	12.3	0	--
Universal Plumbing	GMSG-417	10/30/03	10:34 AM	28.69	41	T	8.3	12.2	0	--
Universal Plumbing	GMSG-417	10/31/03	2:42 PM	28.81	46	0	7.1	12	0	--
Universal Plumbing	GMSG-417	11/01/03	9:05 AM	29.12	34	0	6.3	11.8	0	--
Universal Plumbing	GMSG-417	11/02/03	11:10 AM	28.95	38	0	5.3	11.8	0	--
Universal Plumbing	GMSG-417	11/03/03	8:45 AM	29.06	35	0	4.4	11.6	0	--
Universal Plumbing	GMSG-417	11/04/03	10:13 AM	28.69	33	T	3.6	11.7	0	--
Universal Plumbing	GMSG-417	11/05/03	8:47 AM	28.83	35	0	3.1	11.7	0	--
Universal Plumbing	GMSG-417	11/06/03	10:12 AM	29.02	25	0	2.1	11.4	0	--
Universal Plumbing	GMSG-417	11/07/03	9:46 AM	29.00	21	0	1.2	11.3	0	--
Universal Plumbing	GMSG-417	11/10/03	9:15 AM	28.95	31	0	0	11.5	0.2	--
Universal Plumbing	GMSG-417	11/11/03	8:38 AM	28.50	39	0	0	11.5	1	--
Universal Plumbing	GMSG-417	11/13/03	10:34 AM	28.93	29	T	0	10.7	3.6	--
Universal Plumbing	GMSG-417	11/21/03	11:36 AM	28.87	32	0	0	9.1	8.3	--
Universal Plumbing	GMSG-417	12/03/03	9:23 AM	29.25	14	0	0	6.8	13.1	--
Universal Plumbing	GMSG-417	12/04/03	8:47 AM	29.05	18	0	0	6.8	13.1	--
Universal Plumbing	GMSG-417	12/05/03	1:57 PM	29.00	39	0	0	6.8	13.2	--
Universal Plumbing	GMSG-417	12/06/03	8:21 AM	29.11	19	0	0	5	5.8	--
Universal Plumbing	GMSG-417	12/08/03	9:05 AM	28.69	33	0	0	6.8	13.3	--
Universal Plumbing	GMSG-417	12/17/03	2:58 PM	28.56	25	0	0	5.9	14.4	0
Universal Plumbing	GMSG-417	01/12/04	11:30 AM	28.70	28	T	0	3.6	16.3	--
Universal Plumbing	GMSG-417	01/20/04	7:55 AM	29.06	-13	0	0	3.2	16.9	0
Universal Plumbing	GMSG-417	01/22/04	7:55 AM	28.74	-12	0	0	3.2	16.9	0
Universal Plumbing	GMSG-417	01/30/04	10:20 AM	28.65	0	T	0	2.3	17.4	--
Universal Plumbing	GMSG-417	02/03/04	11:06 AM	28.66	20	0	0	2.2	17.7	--
Universal Plumbing	GMSG-417	02/12/04	1:55 PM	28.88	23	T	0	1.8	18.1	--
Universal Plumbing	GMSG-417	02/19/04	9:55 AM	28.72	26	0	0	1.6	18.2	--
Universal Plumbing	GMSG-417	02/27/04	11:44 AM	29.16	30	0	0	1.4	18.2	--
Universal Plumbing	GMSG-417	03/02/04	1:24 PM	28.76	39	0	0	1.4	18.2	--
Universal Plumbing	GMSG-417	03/03/04	10:12 AM	28.99	34	0	0	1.4	18.4	--
Universal Plumbing	GMSG-417	03/03/04	2:27 PM	28.88	35	0	0	1.6	18.1	--
Universal Plumbing	GMSG-417	03/04/04	8:49 AM	28.89	31	0	0	1.3	18.4	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Universal Plumbing	GMSG-417	03/05/04	10:30 AM	28.20	31	T	0	1.4	18.4	--
Universal Plumbing	GMSG-417	03/06/04	7:54 AM	28.57	25	T	0	1.4	18.2	--
Universal Plumbing	GMSG-417	03/07/04	8:12 AM	28.34	29	T	0	1.4	18.2	--
Universal Plumbing	GMSG-417	03/08/04	9:19 AM	28.78	24	0	0	1.4	18.2	--
Universal Plumbing	GMSG-417	03/09/04	2:05 PM	28.98	34	0	0	1.4	18.2	--
Universal Plumbing	GMSG-417	03/10/04	9:36 AM	28.75	35	0	0	1.4	18.3	--
Universal Plumbing	GMSG-417	03/11/04	9:40 AM	28.43	26	0.02	0	1.6	17.9	--
Universal Plumbing	GMSG-417	03/12/04	11:25 AM	28.89	17	T	0	1.4	18.2	--
Universal Plumbing	GMSG-417	03/13/04	7:43 AM	29.06	2	0	0	1.6	18.1	--
Universal Plumbing	GMSG-417	03/14/04	1:45 PM	28.41	31	0	0	1.4	18.1	--
Universal Plumbing	GMSG-417	03/15/04	9:58 AM	29.11	26	0	0	1.5	18.2	--
Universal Plumbing	GMSG-417	03/16/04	9:55 AM	28.97	26	0	0	1.6	17.6	--
Universal Plumbing	GMSG-417	03/17/04	9:47 AM	28.68	27	0	0	1.4	17.9	--
Universal Plumbing	GMSG-417	03/18/04	9:03 AM	28.70	30	0	0	1.4	17.8	--
Universal Plumbing	GMSG-417	03/19/04	9:11 AM	28.98	28	0	0	1.5	18	--
Universal Plumbing	GMSG-417	03/20/04	8:00 AM	28.52	44	0	0	1.4	17.9	--
Universal Plumbing	GMSG-417	03/21/04	11:54 AM	29.25	20	0	0	1.5	17.8	--
Universal Plumbing	GMSG-417	03/22/04	8:46 AM	29.08	18	0	0	1.6	17.6	--
Universal Plumbing	GMSG-417	03/23/04	3:42 PM	28.90	38	0	0	1.4	17.5	--
Universal Plumbing	GMSG-417	03/24/04	2:46 PM	28.65	41	0	0	1.4	17.4	--
Universal Plumbing	GMSG-417	03/26/04	11:45 AM	--	--	--	0	1.4	17.2	--
Universal Plumbing	GMSG-417	03/28/04	5:40 PM	--	--	--	0	1.4	16.8	--
Universal Plumbing	GMSG-417	03/29/04	2:25 PM	--	--	--	0	1.4	16.9	--
Universal Plumbing	GMSG-417	03/30/04	3:03 PM	--	--	--	0	1.6	16.6	--
Universal Plumbing	GMSG-417	03/31/04	5:10 PM	--	--	--	0	1.7	16.3	--
Universal Plumbing	GMSG-417	04/01/04	5:32 PM	28.88	45	0	0	1.6	16.3	--
Universal Plumbing	GMSG-417	04/02/04	10:10 AM	28.95	47	0	0	1.6	16.4	--
Universal Plumbing	GMSG-417	04/03/04	8:56 AM	28.65	40	0	0	1.6	16.3	--
Universal Plumbing	GMSG-417	04/04/04	9:42 AM	28.94	34	0	0	1.7	16.2	--
Universal Plumbing	GMSG-417	04/05/04	8:18 AM	28.96	29	0	0	1.7	16	--
Universal Plumbing	GMSG-417	04/06/04	7:50 AM	28.56	34	0	0	1.7	16	--
Universal Plumbing	GMSG-417	04/06/04	10:50 AM	28.58	53	0	0	1.7	15.9	--
Universal Plumbing	GMSG-417	04/07/04	7:26 AM	28.68	38	0	0	1.7	16.1	--
Universal Plumbing	GMSG-417	04/16/04	11:30 AM	28.64	74	0	0	1.4	16.6	--
Universal Plumbing	GMSG-417	04/19/04	4:30 PM	28.92	-	0	0	1.6	15.5	--
Universal Plumbing	GMSG-417	04/28/04	3:27 PM	28.28	73	0	0	1.3	18.4	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Universal Plumbing	GMSG-417	04/30/04	8:51 AM	28.86	39	0	0	1.7	18.4	--
Universal Plumbing	GMSG-417	05/01/04	4:00 PM	28.84	50	0	0	0	20.8	--
Universal Plumbing	GMSG-417	05/02/04	10:16 AM	28.90	36	T	0	1.5	18.4	--
Universal Plumbing	GMSG-417	05/03/04	1:33 PM	28.81	50	0	0	1.6	18.5	--
Universal Plumbing	GMSG-417	05/04/04	9:57 AM	28.47	55	T	0	1.8	18.6	--
Universal Plumbing	GMSG-417	05/05/04	9:40 AM	28.75	48	0	0	1.7	18.8	--
Universal Plumbing	GMSG-417	05/14/04	3:31 PM	28.83	43	0	0	1.9	17.7	--
Universal Plumbing	GMSG-417	05/17/04	9:05 AM	28.67	63	0	0	2	17.4	--
Universal Plumbing	GMSG-417	05/19/04	11:55 AM	28.91	71	0	0	2	17.3	--
Universal Plumbing	GMSG-417	05/20/04	6:15 PM	28.85	63	0	0	0.2	17.4	--
Universal Plumbing	GMSG-417	05/22/04	4:34 PM	28.60	50	0	0	2.1	17.3	--
Universal Plumbing	GMSG-417	05/24/04	9:39 AM	28.70	46	0	0	2.1	16.7	--
Universal Plumbing	GMSG-417	05/25/04	4:14 PM	28.47	63	0	0	2.1	16.7	--
Universal Plumbing	GMSG-417	05/28/04	1:17 PM	28.72	59	0	0	2	16.7	--
Universal Plumbing	GMSG-417	06/01/04	11:30 AM	28.36	56	0	0	2.2	16.1	--
Universal Plumbing	GMSG-417	06/06/04	10:12 AM	28.65	71	0	0	2.2	15.8	--
Universal Plumbing	GMSG-417	06/07/04	10:18 AM	28.62	80	0	0	2.1	15.8	0
Universal Plumbing	GMSG-417	06/07/04	2:20 PM	28.54	84	0	0	2	16	0
Universal Plumbing	GMSG-417	06/07/04	5:40 PM	28.50	84	0	0	2	16	0
Universal Plumbing	GMSG-417	06/08/04	8:17 AM	28.63	80	0	0	1.4	16.6	0
Universal Plumbing	GMSG-417	06/08/04	1:31 PM	28.69	87	0	0	2	16.1	0
Universal Plumbing	GMSG-417	06/08/04	5:54 PM	28.72	82	0	0	1.9	16.2	0
Universal Plumbing	GMSG-417	06/09/04	8:00 AM	28.86	57	0.01	0	2	16.3	0
Universal Plumbing	GMSG-417	06/09/04	10:22 AM	28.90	55	0.04	0	1.3	16.9	0
Universal Plumbing	GMSG-417	06/09/04	2:29 PM	28.91	54	T	0	2.3	16	0
Universal Plumbing	GMSG-417	06/09/04	6:24 PM	28.90	52	0	0	1.6	16.6	0
Universal Plumbing	GMSG-417	06/10/04	8:33 AM	28.90	59	0	0	1.9	16.1	0
Universal Plumbing	GMSG-417	06/10/04	12:13 PM	28.86	65	0	0	2.2	16.3	0
Universal Plumbing	GMSG-417	06/10/04	2:51 PM	28.82	67	0	0	2.1	16.1	0
Universal Plumbing	GMSG-417	06/10/04	4:36 PM	28.80	65	0	0	0.4	19.8	0
Universal Plumbing	GMSG-417	06/11/04	8:40 AM	28.78	56	0	0	2.3	15.8	0
Universal Plumbing	GMSG-417	06/11/04	12:06 PM	28.79	58	0	--	--	--	0
Universal Plumbing	GMSG-417	06/11/04	3:55 PM	28.77	61	0	--	--	--	0
Universal Plumbing	GMSG-417	06/12/04	9:29 AM	28.74	55	0	--	--	--	0
Universal Plumbing	GMSG-417	06/12/04	2:18 PM	28.66	75	0	0	2.1	15.9	0
Universal Plumbing	GMSG-417	06/12/04	4:54 PM	28.65	79	0	0	2.1	16.2	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Universal Plumbing	GMSG-417	06/13/04	7:55 AM	28.57	65	0	0	2.2	16.2	--
Universal Plumbing	GMSG-417	06/13/04	2:50 PM	28.49	69	0	0	2.3	16	--
Universal Plumbing	GMSG-417	06/13/04	6:20 PM	28.45	73	0	0	2.2	16.3	--
Universal Plumbing	GMSG-417	06/14/04	10:03 AM	28.59	67	0	0	2.3	16.5	0
Universal Plumbing	GMSG-417	06/14/04	12:18 PM	28.59	68	0.01	0	2	16.5	0
Universal Plumbing	GMSG-417	06/14/04	2:13 PM	28.57	72	T	0	2.3	16.5	0
Universal Plumbing	GMSG-417	06/14/04	8:21 PM	28.67	64	0	0	2.2	16.5	0
Universal Plumbing	GMSG-417	06/15/04	8:17 AM	28.85	58	0	0	2.4	16.4	0
Universal Plumbing	GMSG-417	06/15/04	12:12 PM	28.86	67	0	0	0	20.1	0
Universal Plumbing	GMSG-417	06/15/04	3:37 PM	28.83	71	0	0	2.2	16.6	0
Universal Plumbing	GMSG-417	06/16/04	8:17 AM	28.82	67	0	0	2.3	16.5	0
Universal Plumbing	GMSG-417	06/16/04	11:14 AM	28.80	79	0	0	2.1	16.9	0
Universal Plumbing	GMSG-417	06/16/04	2:28 PM	28.76	82	0	0	2.4	16.3	0
Universal Plumbing	GMSG-417	06/17/04	8:04 AM	28.82	59	T	0	0	20.4	0
Universal Plumbing	GMSG-417	06/17/04	2:26 PM	28.81	75	0	0	2.2	19	0
Universal Plumbing	GMSG-417	06/17/04	6:16 PM	28.81	71	0	0	2.1	19.5	0
Universal Plumbing	GMSG-417	06/18/04	8:06 AM	28.85	69	0	0	2.3	17.9	0
Universal Plumbing	GMSG-417	06/18/04	11:24 AM	28.82	74	0	0	0	20	0
Universal Plumbing	GMSG-417	06/18/04	8:25 PM	28.96	53	0	0	0	20.4	0
Universal Plumbing	GMSG-417	06/19/04	8:30 AM	29.06	60	0	0	2.4	16.5	0
Universal Plumbing	GMSG-417	06/19/04	12:10 PM	29.03	65	0	0	2.4	16.7	0
Universal Plumbing	GMSG-417	06/19/04	4:00 PM	28.95	66	0	0	2.3	16.9	0
Universal Plumbing	GMSG-417	06/20/04	8:47 AM	28.77	66	0	0	2.5	16.6	0
Universal Plumbing	GMSG-417	06/20/04	1:50 PM	28.68	74	0	0	2.2	17.9	0
Universal Plumbing	GMSG-417	06/21/04	8:46 AM	28.48	69	0	0	2.4	16.6	--
Universal Plumbing	GMSG-417	06/21/04	12:42 PM	28.42	74	0	0	0.6	19.4	0
Universal Plumbing	GMSG-417	06/21/04	5:29 PM	28.43	59	0.13	0	0.4	19.6	0
Universal Plumbing	GMSG-417	06/22/04	8:14 AM	28.59	57	0	0	2.5	16.8	0
Universal Plumbing	GMSG-417	06/22/04	1:39 PM	28.61	66	0	0	2.4	16.9	0
Universal Plumbing	GMSG-417	06/22/04	4:37 PM	28.60	67	0	0	2.3	17.1	0
Universal Plumbing	GMSG-417	06/25/04	5:26 PM	28.76	61	0	0	2.4	16.3	0
Universal Plumbing	GMSG-417	06/26/04	8:16 AM	28.84	56	0	0	2.4	16.3	0
Universal Plumbing	GMSG-417	06/26/04	11:59 AM	28.83	61	0	0	2.4	16.5	0
Universal Plumbing	GMSG-417	06/26/04	1:36 PM	28.81	65	0	0	2.4	16.7	0
Universal Plumbing	GMSG-417	06/26/04	5:43 PM	28.81	63	0	0	2.6	16.2	0
Universal Plumbing	GMSG-417	06/27/04	10:17 AM	28.88	66	0	0	2.4	16.5	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Universal Plumbing	GMSG-417	06/28/04	11:10 AM	28.83	72	0	0	2.4	16.5	0
Universal Plumbing	GMSG-417	06/28/04	1:57 PM	28.80	72	0	0	7.4	16.6	0
Universal Plumbing	GMSG-417	06/29/04	6:20 PM	28.83	67	0.01	0	2.4	16.7	0
Universal Plumbing	GMSG-417	06/30/04	8:32 AM	28.78	77	0	0	2.5	16.2	0
Universal Plumbing	GMSG-417	07/02/04	9:30 AM	28.93	68	0	0	2.5	16.2	--
Universal Plumbing	GMSG-417	07/06/04	11:17 AM	28.66	54	0.08	0	2.9	16	0
Universal Plumbing	GMSG-417	07/07/04	4:54 PM	28.57	56	T	0	2.4	16.7	0
Universal Plumbing	GMSG-417	07/08/04	11:30 AM	28.72	61	0	0	2.5	16.5	0
Universal Plumbing	GMSG-417	07/09/04	11:25 AM	28.88	68	0	0	2.5	16.8	0
Universal Plumbing	GMSG-417	07/11/04	9:59 AM	28.82	70	0	0	2.9	16.3	0
Universal Plumbing	GMSG-417	07/12/04	2:30 PM	28.70	82	0	0	2.4	16.7	--
Universal Plumbing	GMSG-417	07/19/04	3:22 PM	28.54	79	T	0	2.6	16.5	--
Universal Plumbing	GMSG-417	07/26/04	10:39 AM	28.96	79	0	0	2.6	16.5	--
Universal Plumbing	GMSG-417	08/02/04	10:55 AM	28.68	79	0.04	0	2.7	16.4	--
Universal Plumbing	GMSG-417	08/03/04	5:45 PM	28.69	72	0	0	2.8	17.1	--
Universal Plumbing	GMSG-417	08/04/04	1:53 PM	28.83	72	0	0	2.8	16.7	--
Universal Plumbing	GMSG-417	08/07/04	3:23 PM	28.83	70	0	0	2.8	16.4	--
Universal Plumbing	GMSG-417	08/08/04	2:04 PM	28.81	66	T	0	2.7	16.2	--
Universal Plumbing	GMSG-417	08/11/04	3:14 PM	28.59	57	0	0	3.3	16.6	--
Universal Plumbing	GMSG-417	08/12/04	8:54 AM	28.81	59	0	0	3.4	16.5	--
Universal Plumbing	GMSG-417	08/17/04	1:02 PM	28.69	70	0	0	2.9	17.1	0
Universal Plumbing	GMSG-417	08/18/04	11:56 AM	28.37	77	0	0	2.7	17.3	0
Universal Plumbing	GMSG-417	09/03/04	12:43 PM	28.83	82	0	0	3	17	--
Universal Plumbing	GMSG-417	10/20/04	12:46 PM	28.88	54	0	0	2.1	17.8	0
Universal Plumbing	GMSG-417	10/26/04	3:16 PM	29.03	47	0	0	2	18.1	--
Universal Plumbing	GMSG-417	11/04/04	10:12 AM	28.50	39	0	0	0	20.1	--
Universal Plumbing	GMSG-417	11/11/04	11:55 AM	29.20	34	0	0	1.6	18.4	--
Universal Plumbing	GMSG-417	11/18/04	11:23 AM	28.96	51	0	0	0	20.1	--
Universal Plumbing	GMSG-417	01/27/05	1:24 PM	29.31	13	0	--	--	--	0
Universal Plumbing	GMSG-417	03/14/05	2:55 PM	28.78	34	0	0	0.4	19.8	--
Universal Plumbing	GMSG-417	04/01/05	2:52 PM	28.73	52	0	--	--	--	0
Universal Plumbing	GMSG-417	04/04/05	3:06 PM	28.72	56	0	0	0	20.3	--
Universal Plumbing	GMSG-417	05/17/05	11:55 AM	28.85	54	0	0	0.8	19	--
Universal Plumbing	GMSG-417	06/09/05	12:03 PM	28.66	84	0	0	1.1	18.5	--
Universal Plumbing	GMSG-417	07/05/05	10:27 AM	28.86	60	0	--	--	--	0
Universal Plumbing	GMSG-417	07/07/05	8:50 AM	28.96	73	0	0	1.8	17.5	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Universal Plumbing	GMSG-417	08/12/05	11:55 AM	28.61	77	0	0	0	19.8	--
Universal Plumbing	GMSG-417	09/08/05	10:42 AM	28.96	67	0	0	2.3	17.3	--
Universal Plumbing	GMSG-417	10/10/05	10:05 AM	29.00	51	0	--	--	--	0
Universal Plumbing	GMSG-417	03/03/06	10:28 AM	29.13	22	0	--	--	--	0
Universal Plumbing	GMSG-417	04/03/06	10:42 AM	28.59	41	0	--	--	--	0
Universal Plumbing	GMSG-417	07/07/06	10:36 AM	29.05	80	0	--	--	--	0
Universal Plumbing	GMSG-417	10/02/06	11:23 AM	28.66	73	0	--	--	--	0
Universal Plumbing	GMSG-417	01/02/07	11:21 AM	28.92	34	0	--	--	--	0
Universal Plumbing	GMSG-417	02/09/07	12:53 PM	28.88	15	T	--	--	--	0
Universal Plumbing	GMSG-417	04/02/07	3:51 PM	28.71	46	0	--	--	--	0
Universal Plumbing	GMSG-417	07/17/07	1:03 PM	29.94	81	0	--	--	--	0
Universal Plumbing	GMSG-417	10/22/07	1:03 PM	29.99	51	0	--	--	--	0
Universal Plumbing	GMSG-417	01/03/08	1:59 PM	30.07	22	0	--	--	--	0
Universal Plumbing	GMSG-417	04/23/08	2:47 PM	30.15	73	0	--	--	--	0
Universal Plumbing	GMSG-417	07/09/08	2:28 PM	29.89	75	0	--	--	--	0
Universal Plumbing	GMSG-417	10/02/08	2:40 PM	29.75	55	0	--	--	--	0
Universal Plumbing	GMSG-417	01/23/09	11:02 AM	28.53	22	T	--	--	--	0
Universal Plumbing	GMSG-417	03/30/09	2:51 PM	28.75	44	0	--	--	--	0
Universal Plumbing	GMSG-417	07/29/09	10:48 AM	28.54	71	0	--	--	--	0
Universal Plumbing	GMSG-417	10/19/09	12:01 PM	28.47	63	0	--	--	--	0
Universal Plumbing	GMSG-417	03/30/10	1:52 PM	28.45	55	0	--	--	--	0
Universal Plumbing	GMSG-417	04/23/10	11:17 AM	28.63	63	0	--	--	--	0
Universal Plumbing	GMSG-417	07/08/10	11:59 AM	28.75	80	0	0	1.7	16.9	--
Universal Plumbing	GMSG-417	07/09/10	12:21 PM	28.72	80	0	0	0.9	16.5	--
Universal Plumbing	GMSG-417	10/28/10	11:41 AM	27.89	42	T	--	--	--	0
Universal Plumbing	GMSG-417	07/10/11	10:07 AM	28.61	79	0	--	--	--	0
Universal Plumbing	GMSG-417	11/01/12	2:44 PM	28.54	41	0	--	--	--	0
Universal Plumbing	GMSG-417	11/09/13	12:10 PM	28.38	40	0	--	--	--	0
Universal Plumbing	GMSG-417	08/13/14	3:48 PM	28.77	71	0	--	--	--	0
Universal Plumbing	GMSG-417	08/05/15	2:31 PM	28.81	74	0	--	--	--	0
Universal Plumbing	GMSG-417C	10/29/03	7:55 AM	28.36	38	T	0	0	19.6	--
Universal Plumbing	GMSG-417C	10/30/03	10:38 AM	28.69	41	T	0	0.1	18.9	--
Universal Plumbing	GMSG-417C	11/21/03	11:31 AM	28.87	32	0	0	1.8	13.8	--
Universal Plumbing	GMSG-417C	12/03/03	9:33 AM	29.25	22	0	0	4	8.3	--
Universal Plumbing	GMSG-417C	12/04/03	8:59 AM	29.05	18	0	0	5	6	--
Universal Plumbing	GMSG-417C	12/05/03	1:54 PM	29.00	39	0	0	5.4	6.3	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Universal Plumbing	GMSG-417C	12/06/03	8:25 AM	29.11	19	0	0	6.9	13.2	--
Universal Plumbing	GMSG-417C	12/08/03	9:22 AM	28.69	33	0	0	6	3.9	--
Universal Plumbing	GMSG-431	01/02/03	1:59 PM	28.92	27	0	2.6	7.2	8.9	--
Universal Plumbing	GMSG-431	10/28/03	1:46 PM	28.08	44	T	22	11.5	0	--
Universal Plumbing	GMSG-431	10/29/03	7:58 AM	28.36	38	T	1.1	1	16.9	--
Universal Plumbing	GMSG-431	11/13/03	10:09 AM	28.92	27	T	0.5	7.4	9.3	--
Universal Plumbing	GMSG-431	12/03/03	9:27 AM	29.25	14	0	0	0.4	19.2	--
Universal Plumbing	GMSG-431	12/04/03	8:50 AM	29.05	18	0	0.6	8.3	6.2	--
Universal Plumbing	GMSG-431	12/06/03	8:12 AM	29.11	19	0	0	1	7.3	--
Universal Plumbing	GMSG-431	12/08/03	9:15 AM	28.69	33	0	7.9	10.7	2.1	--
Universal Plumbing	GMSG-431	12/19/03	9:05 AM	28.69	20	0	0	4.1	13.8	--
Universal Plumbing	GMSG-431	01/12/04	11:22 AM	28.73	27	T	0	0	19.4	--
Universal Plumbing	GMSG-431	01/20/04	8:02 AM	29.06	-13	0	0	0	19.6	0
Universal Plumbing	GMSG-431	01/22/04	8:02 AM	28.74	-12	0	0	0	19.6	0
Universal Plumbing	GMSG-431	01/30/04	10:06 AM	28.65	0	T	0	0	19.2	--
Universal Plumbing	GMSG-431	02/03/04	10:57 AM	28.66	20	0	0	0	19.4	--
Universal Plumbing	GMSG-431	02/12/04	2:10 PM	28.88	23	T	0	0	19.4	--
Universal Plumbing	GMSG-431	02/19/04	9:46 AM	28.72	26	0	0	0	19.3	--
Universal Plumbing	GMSG-431	02/27/04	11:33 AM	29.16	30	0	0	0	19.2	--
Universal Plumbing	GMSG-431	03/02/04	1:12 PM	28.76	39	0	0	0.1	16	--
Universal Plumbing	GMSG-431	03/03/04	10:00 AM	28.99	34	0	0	0.9	15.3	--
Universal Plumbing	GMSG-431	03/03/04	2:19 PM	28.88	35	0	0	0.4	15.3	--
Universal Plumbing	GMSG-431	03/04/04	8:35 AM	28.89	31	0	0	0.8	15.2	--
Universal Plumbing	GMSG-431	03/05/04	10:13 AM	28.22	30	0.06	0	3.1	14	--
Universal Plumbing	GMSG-431	03/06/04	8:01 AM	28.57	25	T	0	2.4	14.8	--
Universal Plumbing	GMSG-431	03/07/04	8:18 AM	28.34	29	T	0	3.1	14	--
Universal Plumbing	GMSG-431	03/08/04	9:10 AM	28.78	24	0	0	2.6	14	--
Universal Plumbing	GMSG-431	03/09/04	1:52 PM	28.98	34	0	0	2.9	13.6	--
Universal Plumbing	GMSG-431	03/10/04	9:23 AM	28.77	31	0	0	4.4	11.5	--
Universal Plumbing	GMSG-431	03/11/04	9:10 AM	28.42	30	0.01	0	0.5	12.2	--
Universal Plumbing	GMSG-431	03/12/04	11:31 AM	28.91	17	0	0	2.2	13.3	--
Universal Plumbing	GMSG-431	03/13/04	7:46 AM	29.06	2	0	0	2.5	13.1	--
Universal Plumbing	GMSG-431	03/14/04	1:50 PM	28.41	31	0	0	4.7	10.2	--
Universal Plumbing	GMSG-431	03/15/04	9:45 AM	29.11	26	0	0	0.7	18	--
Universal Plumbing	GMSG-431	03/16/04	10:00 AM	28.97	26	0	0	4.8	9.7	--
Universal Plumbing	GMSG-431	03/17/04	9:51 AM	28.68	27	0	0	5.4	9	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Universal Plumbing	GMSG-431	03/18/04	9:08 AM	28.70	30	0	0	4	11.9	--
Universal Plumbing	GMSG-431	03/19/04	4:16 AM	28.97	14	0	0	3.7	11.1	--
Universal Plumbing	GMSG-431	03/20/04	8:04 AM	28.52	44	0	0	5.6	8.1	--
Universal Plumbing	GMSG-431	03/21/04	11:46 AM	29.25	20	0	0	2.8	8.8	--
Universal Plumbing	GMSG-431	03/22/04	8:50 AM	29.08	18	0	0	5.2	6.3	--
Universal Plumbing	GMSG-431	03/23/04	3:47 PM	28.90	38	0	0	3.4	10.2	--
Universal Plumbing	GMSG-431	03/24/04	2:50 PM	28.65	41	0	0	4.2	7	--
Universal Plumbing	GMSG-431	03/26/04	11:53 AM	--	--	--	0	0	9.5	--
Universal Plumbing	GMSG-431	03/28/04	5:45 PM	--	--	--	0	0.1	7.6	--
Universal Plumbing	GMSG-431	03/29/04	2:05 PM	--	--	--	0	0.3	7.4	--
Universal Plumbing	GMSG-431	03/30/04	3:07 PM	--	--	--	0	1	7.5	--
Universal Plumbing	GMSG-431	03/31/04	5:15 PM	--	--	--	0	3.7	7	--
Universal Plumbing	GMSG-431	04/01/04	5:38 PM	28.88	45	0	0	4.8	5.6	--
Universal Plumbing	GMSG-431	04/02/04	10:15 AM	28.95	47	0	0	4.9	5.7	--
Universal Plumbing	GMSG-431	04/03/04	8:45 AM	28.65	40	0	0.2	5.8	4.1	--
Universal Plumbing	GMSG-431	04/04/04	9:45 AM	28.94	34	0	0	2	14.1	--
Universal Plumbing	GMSG-431	04/05/04	8:20 AM	28.96	29	0	0	4.3	8.9	--
Universal Plumbing	GMSG-431	04/06/04	7:55 AM	28.56	34	0	0.7	8.6	0.7	--
Universal Plumbing	GMSG-431	04/06/04	11:00 AM	28.58	53	0	0.4	7.7	3.1	--
Universal Plumbing	GMSG-431	04/07/04	7:40 AM	28.67	46	0	0	0.4	19.2	--
Universal Plumbing	GMSG-431	04/16/04	11:26 AM	28.63	72	0	0	0	19.1	--
Universal Plumbing	GMSG-431	04/19/04	4:22 PM	28.89	-	0	0	0.2	15.9	--
Universal Plumbing	GMSG-431	04/28/04	3:24 PM	28.28	73	0	0	0	20.1	--
Universal Plumbing	GMSG-431	04/30/04	8:48 AM	28.86	39	0	0	0.4	18.5	--
Universal Plumbing	GMSG-431	05/01/04	3:50 PM	28.84	50	0	0	3.1	14.5	--
Universal Plumbing	GMSG-431	05/02/04	10:21 AM	28.90	36	T	0	1.9	16	--
Universal Plumbing	GMSG-431	05/03/04	1:25 PM	28.84	52	0	0	4.6	13	--
Universal Plumbing	GMSG-431	05/04/04	10:02 AM	28.47	55	T	0	5.8	12.4	--
Universal Plumbing	GMSG-431	05/05/04	9:34 AM	28.75	48	0	0	0.8	18.5	--
Universal Plumbing	GMSG-431	05/14/04	3:34 PM	28.83	43	0	0	1	15.9	--
Universal Plumbing	GMSG-431	05/17/04	9:01 AM	28.67	63	0	0	7.1	8.2	--
Universal Plumbing	GMSG-431	05/19/04	12:15 PM	28.91	71	0	0	4.1	12.1	--
Universal Plumbing	GMSG-431	05/20/04	6:11 PM	28.85	63	0	0	0	20.3	--
Universal Plumbing	GMSG-431	05/22/04	4:38 PM	28.60	50	0	0	0.4	19.7	--
Universal Plumbing	GMSG-431	05/24/04	9:34 AM	28.70	46	0	0	0.2	18.3	--
Universal Plumbing	GMSG-431	05/25/04	4:11 PM	28.47	63	0	0	7.7	4.3	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Universal Plumbing	GMSG-431	05/28/04	1:14 PM	28.72	59	0	0	3.7	9.9	--
Universal Plumbing	GMSG-431	06/01/04	11:25 AM	28.35	55	0	0	0	19.9	--
Universal Plumbing	GMSG-431	06/06/04	10:15 AM	28.65	71	0	0	5.5	8.6	--
Universal Plumbing	GMSG-431	06/07/04	10:15 AM	28.62	80	0	0	0	19.8	0
Universal Plumbing	GMSG-431	06/07/04	2:11 PM	28.54	84	0	0	0	19.8	--
Universal Plumbing	GMSG-431	06/07/04	5:35 PM	28.50	84	0	0	0	19.8	0
Universal Plumbing	GMSG-431	06/08/04	8:27 AM	28.63	80	0	0	0.7	19.3	0
Universal Plumbing	GMSG-431	06/08/04	1:27 PM	28.69	87	0	0	0	19.9	0
Universal Plumbing	GMSG-431	06/08/04	6:00 PM	28.72	82	0	0	0.1	19.3	0
Universal Plumbing	GMSG-431	06/09/04	8:05 AM	28.86	57	0.01	0	0	19.8	0
Universal Plumbing	GMSG-431	06/09/04	10:26 AM	28.90	55	0.04	0	0.1	19.4	0
Universal Plumbing	GMSG-431	06/09/04	2:32 PM	28.91	53	0.01	0	0	19.5	0
Universal Plumbing	GMSG-431	06/09/04	6:30 PM	28.90	52	0	0	0	19.1	0
Universal Plumbing	GMSG-431	06/10/04	8:37 AM	28.90	59	0	0	0	19.6	0
Universal Plumbing	GMSG-431	06/10/04	12:18 PM	28.86	65	0	0	0	20	0
Universal Plumbing	GMSG-431	06/10/04	2:46 PM	28.82	67	0	0	0.1	20.1	0
Universal Plumbing	GMSG-431	06/10/04	4:41 PM	28.80	65	0	0	0.2	20.1	0
Universal Plumbing	GMSG-431	06/11/04	8:45 AM	28.78	56	0	0	0	19.7	0
Universal Plumbing	GMSG-431	06/11/04	12:10 PM	28.79	58	0	--	--	--	0
Universal Plumbing	GMSG-431	06/11/04	4:00 PM	28.77	61	0	--	--	--	0
Universal Plumbing	GMSG-431	06/12/04	9:35 AM	28.74	57	0	--	--	--	0
Universal Plumbing	GMSG-431	06/12/04	2:15 PM	28.66	75	0	0	0	19.7	0
Universal Plumbing	GMSG-431	06/12/04	4:50 PM	28.65	79	0	0	0	20.3	--
Universal Plumbing	GMSG-431	06/13/04	7:52 AM	28.57	65	0	0	0	20	--
Universal Plumbing	GMSG-431	06/13/04	2:47 PM	28.49	69	0	0	0	19.7	--
Universal Plumbing	GMSG-431	06/13/04	6:15 PM	28.45	73	0	0	0	20.1	--
Universal Plumbing	GMSG-431	06/14/04	10:07 AM	28.59	67	0	0	0	20.2	0
Universal Plumbing	GMSG-431	06/14/04	12:14 PM	28.59	68	0.01	0	1	18.4	0
Universal Plumbing	GMSG-431	06/14/04	2:09 PM	28.57	72	T	0	0	20.4	0
Universal Plumbing	GMSG-431	06/14/04	8:26 PM	28.67	64	0	0	0	2.4	0
Universal Plumbing	GMSG-431	06/15/04	8:25 AM	28.85	58	0	0	0	20.4	0
Universal Plumbing	GMSG-431	06/15/04	12:16 PM	28.86	67	0	0	0	20.4	0
Universal Plumbing	GMSG-431	06/15/04	3:43 PM	28.83	71	0	0	0	20.5	0
Universal Plumbing	GMSG-431	06/16/04	8:21 AM	28.82	67	0	0	0	20.2	0
Universal Plumbing	GMSG-431	06/16/04	11:10 AM	28.80	79	0	0	0	20.3	0
Universal Plumbing	GMSG-431	06/16/04	2:33 PM	28.76	80	0	0	0	20.4	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Universal Plumbing	GMSG-431	06/17/04	7:59 AM	28.82	59	T	0	2.2	16.4	0
Universal Plumbing	GMSG-431	06/17/04	2:30 PM	28.80	75	0	0	0	20.6	0
Universal Plumbing	GMSG-431	06/17/04	6:22 PM	28.81	71	0	0	0	20.1	0
Universal Plumbing	GMSG-431	06/18/04	8:02 AM	28.85	69	0	0	0	20.1	0
Universal Plumbing	GMSG-431	06/18/04	11:20 AM	28.82	74	0	0	2.6	17.6	0
Universal Plumbing	GMSG-431	06/18/04	8:21 PM	28.96	53	0	0	0.9	18.8	0
Universal Plumbing	GMSG-431	06/19/04	8:35 AM	29.06	60	0	0	0	20	0
Universal Plumbing	GMSG-431	06/19/04	12:13 PM	29.03	65	0	0	0	20.4	--
Universal Plumbing	GMSG-431	06/19/04	4:05 PM	28.95	66	0	0	0	20.7	0
Universal Plumbing	GMSG-431	06/20/04	8:52 AM	28.77	66	0	0	0	20.2	0
Universal Plumbing	GMSG-431	06/20/04	1:55 PM	28.68	74	0	0	0	20.5	0
Universal Plumbing	GMSG-431	06/21/04	8:50 AM	28.48	69	0	0	0	20.2	0
Universal Plumbing	GMSG-431	06/21/04	12:46 PM	28.42	74	0	0	0	20.4	0
Universal Plumbing	GMSG-431	06/21/04	5:54 PM	28.41	59	0.03	0	0	20.2	0
Universal Plumbing	GMSG-431	06/22/04	6:33 AM	28.59	53	0	0	0	20.8	0
Universal Plumbing	GMSG-431	06/22/04	9:18 AM	28.59	59	0	0	0	20.4	0
Universal Plumbing	GMSG-431	06/22/04	1:36 PM	28.61	66	0	0	0	20.5	0
Universal Plumbing	GMSG-431	06/25/04	5:21 PM	28.76	61	0	0	0	19.8	0
Universal Plumbing	GMSG-431	06/26/04	8:20 AM	28.84	56	0	0	0	19.8	0
Universal Plumbing	GMSG-431	06/26/04	11:54 AM	28.83	61	0	0	0	19.8	0
Universal Plumbing	GMSG-431	06/26/04	1:43 PM	28.81	65	0	0	0	19.8	0
Universal Plumbing	GMSG-431	06/26/04	5:48 PM	28.81	63	0	0	0	19.7	0
Universal Plumbing	GMSG-431	06/27/04	10:21 AM	28.88	66	0	0	0	19.7	0
Universal Plumbing	GMSG-431	06/28/04	11:15 AM	28.83	72	0	0	0	19.8	0
Universal Plumbing	GMSG-431	06/28/04	2:01 PM	28.80	72	0	0	0	20	0
Universal Plumbing	GMSG-431	06/29/04	6:36 PM	28.84	65	0	0	0	20.1	0
Universal Plumbing	GMSG-431	06/30/04	8:37 AM	28.78	77	0	0	0	19.7	0
Universal Plumbing	GMSG-431	07/02/04	10:15 AM	28.93	68	0	0	0	19.4	--
Universal Plumbing	GMSG-431	07/06/04	11:22 AM	28.66	54	0.08	0	0	19.2	0
Universal Plumbing	GMSG-431	07/07/04	4:48 PM	28.57	56	T	0	0	19.7	0
Universal Plumbing	GMSG-431	07/08/04	11:25 AM	28.71	61	0	0	0	19.6	0
Universal Plumbing	GMSG-431	07/09/04	11:21 AM	28.88	68	0	0	0	20	0
Universal Plumbing	GMSG-431	07/11/04	10:04 AM	28.82	70	0	0	0	19.8	0
Universal Plumbing	GMSG-431	07/12/04	2:33 PM	28.70	82	0	0	0	19.5	0
Universal Plumbing	GMSG-431	07/19/04	3:18 PM	28.54	79	T	0	0	19.7	--
Universal Plumbing	GMSG-431	07/26/04	10:34 AM	28.96	79	0	0	0.3	19.5	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Universal Plumbing	GMSG-431	08/02/04	10:51 AM	28.68	79	0.04	0	0	19.5	--
Universal Plumbing	GMSG-431	08/03/04	5:41 PM	28.69	72	0	0	0	20.6	--
Universal Plumbing	GMSG-431	08/04/04	1:57 PM	28.83	72	0	0	0	20	--
Universal Plumbing	GMSG-431	08/07/04	3:28 PM	28.83	70	0	0	0	19.7	--
Universal Plumbing	GMSG-431	08/08/04	2:09 PM	28.81	66	T	0	0	19.5	--
Universal Plumbing	GMSG-431	08/11/04	3:09 PM	28.59	57	0	0	0	19.6	--
Universal Plumbing	GMSG-431	08/12/04	8:50 AM	28.81	59	0	0	0	20	--
Universal Plumbing	GMSG-431	08/17/04	1:06 PM	28.69	70	0	0	0	20	0
Universal Plumbing	GMSG-431	08/18/04	12:00 PM	28.37	77	0	0	0	20.2	0
Universal Plumbing	GMSG-431	09/03/04	3:07 PM	28.81	82	0	0	0	20.3	--
Universal Plumbing	GMSG-431	10/20/04	12:40 PM	28.88	54	0	0	0	20	0
Universal Plumbing	GMSG-431	10/26/04	3:10 PM	29.03	47	0	0	0	20.1	--
Universal Plumbing	GMSG-431	11/04/04	10:15 AM	28.50	39	0	0	2	18.1	--
Universal Plumbing	GMSG-431	11/11/04	11:51 AM	29.20	34	0	0	0	20.1	--
Universal Plumbing	GMSG-431	11/18/04	11:28 AM	28.96	51	0	0	1.4	18.5	--
Universal Plumbing	GMSG-431	01/27/05	1:16 PM	29.31	13	0	--	--	--	0
Universal Plumbing	GMSG-431	03/14/05	2:50 PM	28.78	34	0	0	0	20.3	--
Universal Plumbing	GMSG-431	04/01/05	2:54 PM	28.73	52	0	--	--	--	0
Universal Plumbing	GMSG-431	04/04/05	3:00 PM	28.72	56	0	0	0	20.4	--
Universal Plumbing	GMSG-431	05/17/05	11:52 AM	28.85	54	0	0	0	20	--
Universal Plumbing	GMSG-431	06/09/05	12:09 PM	28.66	84	0	0	0	20	--
Universal Plumbing	GMSG-431	07/05/05	10:23 AM	28.86	60	0	--	--	--	0
Universal Plumbing	GMSG-431	07/07/05	8:45 AM	28.96	73	0	0	0	19.6	--
Universal Plumbing	GMSG-431	08/12/05	11:50 AM	28.61	77	0	0	0	19.7	--
Universal Plumbing	GMSG-431	09/08/05	10:37 AM	28.96	67	0	0	0	19.5	--
Universal Plumbing	GMSG-431	10/10/05	10:00 AM	29.00	51	0	--	--	--	0
Universal Plumbing	GMSG-431	02/22/06	9:42 AM	28.50	26	0	--	--	--	0
Universal Plumbing	GMSG-431	04/03/06	10:45 AM	28.59	41	0	--	--	--	0
Universal Plumbing	GMSG-431	07/07/06	10:30 AM	29.05	80	0	--	--	--	0
Universal Plumbing	GMSG-431	10/02/06	11:26 AM	28.66	73	0	--	--	--	0
Universal Plumbing	GMSG-431	01/02/07	11:24 AM	28.92	34	0	--	--	--	0
Universal Plumbing	GMSG-431	02/09/07	1:00 PM	28.88	15	T	--	--	--	0
Universal Plumbing	GMSG-431	04/02/07	3:49 PM	28.71	46	0	--	--	--	0
Universal Plumbing	GMSG-431	07/17/07	1:05 PM	29.94	81	0	--	--	--	0
Universal Plumbing	GMSG-431	10/22/07	1:06 PM	29.99	51	0	--	--	--	0
Universal Plumbing	GMSG-431	01/03/08	2:07 PM	30.07	22	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Universal Plumbing	GMSG-431	04/23/08	2:49 PM	30.15	73	0	--	--	--	0
Universal Plumbing	GMSG-431	07/09/08	2:30 PM	29.90	76	0	--	--	--	0
Universal Plumbing	GMSG-431	10/02/08	2:43 PM	29.75	55	0	--	--	--	0
Universal Plumbing	GMSG-431	01/23/09	11:06 AM	28.53	22	T	--	--	--	0
Universal Plumbing	GMSG-431	03/30/09	2:53 PM	28.75	44	0	--	--	--	0
Universal Plumbing	GMSG-431	07/29/09	10:46 AM	28.54	71	0	--	--	--	0
Universal Plumbing	GMSG-431	10/19/09	12:03 PM	28.47	63	0	--	--	--	0
Universal Plumbing	GMSG-431	03/30/10	1:49 PM	28.45	55	0	--	--	--	0
Universal Plumbing	GMSG-431	04/23/10	11:14 AM	28.63	63	0	--	--	--	0
Universal Plumbing	GMSG-431	07/08/10	11:57 AM	28.75	80	0	0	0.8	16.7	--
Universal Plumbing	GMSG-431	07/09/10	12:23 PM	28.72	80	0	0	1.9	16.1	--
Universal Plumbing	GMSG-431	10/28/10	11:39 AM	27.89	42	T	--	--	--	0
Universal Plumbing	GMSG-431	07/10/11	10:02 AM	28.61	79	0	--	--	--	0
Universal Plumbing	GMSG-431	11/01/12	2:46 PM	28.54	41	0	--	--	--	0
Universal Plumbing	GMSG-431	11/09/13	12:10 PM	28.38	40	0	--	--	--	0
Universal Plumbing	GMSG-431	08/13/14	3:44 PM	28.77	71	0	--	--	--	0
Universal Plumbing	GMSG-431	08/05/15	2:34 PM	28.81	74	0	--	--	--	0
UP Dance Academy	GMSG-415	10/14/03	5:00 PM	28.52	49	0	0	0.4	19.1	0
UP Dance Academy	GMSG-415	10/29/03	2:01 PM	28.48	43	0	0	0.3	18.8	0
UP Dance Academy	GMSG-415	11/11/03	2:10 PM	28.48	48	0	0	0.2	19.1	0
UP Dance Academy	GMSG-415	12/18/03	10:22 AM	28.58	24	0	0	0.2	18.7	0
UP Dance Academy	GMSG-415	01/20/04	4:51 PM	28.97	12	0	0	0.3	18.7	0
UP Dance Academy	GMSG-415	04/18/04	2:20 PM	28.42	52	0	0	0.3	17	0
UP Dance Academy	GMSG-415	07/14/04	10:48 AM	28.68	75	0	0	0.8	18.6	0
UP Dance Academy	GMSG-415	10/29/04	1:55 PM	28.35	57	0	0	0	18.9	0
UP Dance Academy	GMSG-415	01/28/05	12:41 PM	29.18	24	0	--	--	--	0
UP Dance Academy	GMSG-415	04/05/05	8:26 AM	28.57	45	0	--	--	--	0
UP Dance Academy	GMSG-415	07/06/05	10:43 AM	28.95	70	0	--	--	--	0
UP Dance Academy	GMSG-415	10/11/05	11:15 AM	29.04	54	0	--	--	--	0
UP Dance Academy	GMSG-415	10/21/05	9:25 AM	28.91	35	0	--	--	--	0
UP Dance Academy	GMSG-415	02/22/06	4:16 PM	28.48	31	0	--	--	--	0
UP Dance Academy	GMSG-415	04/11/06	8:19 AM	28.69	53	0	--	--	--	0
UP Dance Academy	GMSG-415	07/11/06	11:17 AM	28.80	71	0	--	--	--	0
UP Dance Academy	GMSG-415	10/09/06	12:59 PM	29.11	49	0	--	--	--	0
UP Dance Academy	GMSG-415	02/04/07	2:05 PM	28.85	-6	T	--	--	--	0
UP Dance Academy	GMSG-415	04/04/07	11:23 AM	28.62	19	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
UP Dance Academy	GMSG-415	07/19/07	11:34 AM	30.00	69	0	--	--	--	0
UP Dance Academy	GMSG-415	10/18/07	10:48 AM	29.23	62	0.01	--	--	--	0
UP Dance Academy	GMSG-415	01/14/08	3:36 PM	29.96	23	0	--	--	--	0
UP Dance Academy	GMSG-415	04/15/08	1:55 PM	29.87	55	0	--	--	--	0
UP Dance Academy	GMSG-415	07/16/08	9:22 AM	30.09	77	0	--	--	--	0
UP Dance Academy	GMSG-415	10/16/08	2:50 PM	30.25	54	0	--	--	--	0
UP Dance Academy	GMSG-415	01/22/09	10:32 AM	28.57	22	0	--	--	--	0
UP Dance Academy	GMSG-415	04/20/09	12:38 PM	28.29	34	T	--	--	--	0
UP Dance Academy	GMSG-415	07/27/09	3:33 PM	28.48	78	0	--	--	--	0
UP Dance Academy	GMSG-415	10/22/09	1:46 PM	28.85	41	0	--	--	--	0
UP Dance Academy	GMSG-415	04/22/10	11:14 AM	28.63	48	0	--	--	--	0
UP Dance Academy	GMSG-415	11/05/10	1:46 PM	28.74	34	0	--	--	--	0
UP Dance Academy	GMSG-415	07/08/11	5:15 PM	28.64	79	0	--	--	--	0
UP Dance Academy	GMSG-415	10/24/12	2:24 PM	28.59	60	0	--	--	--	0
UP Dance Academy	GMSG-415	11/07/13	12:28 PM	28.80	34	T	--	--	--	0
UP Dance Academy	GMSG-415	08/23/14	2:17 PM	28.80	67	0.13	--	--	--	0
UP Dance Academy	GMSG-415	08/04/15	12:57 PM	28.66	72	0	--	--	--	0
UP Dance Academy	GMSG-515	04/26/06	1:11 PM	28.59	67	0	--	--	--	0
UP Dance Academy	GMSG-515	05/05/06	10:29 AM	28.76	45	T	--	--	--	0
UP Dance Academy	GMSG-515	05/16/06	9:11 AM	28.64	61	0	--	--	--	0
UP Dance Academy	GMSG-515	06/01/06	11:40 AM	28.89	77	0	--	--	--	0
UP Dance Academy	GMSG-515	07/11/06	11:21 AM	28.80	71	0	--	--	--	0
UP Dance Academy	GMSG-515	08/11/06	10:33 AM	28.97	68	0	--	--	--	0
UP Dance Academy	GMSG-515	10/09/06	12:54 PM	29.11	49	0	--	--	--	0
UP Dance Academy	GMSG-515	02/04/07	2:15 PM	28.85	-6	T	--	--	--	0
UP Dance Academy	GMSG-515	04/04/07	11:26 AM	28.62	19	T	--	--	--	0
UP Dance Academy	GMSG-515	07/19/07	11:36 AM	30.00	69	0	--	--	--	0
UP Dance Academy	GMSG-515	10/18/07	10:42 AM	29.23	62	0.01	--	--	--	0
UP Dance Academy	GMSG-515	01/14/08	3:30 PM	29.96	23	0	--	--	--	0
UP Dance Academy	GMSG-515	04/15/08	1:59 PM	29.87	55	0	--	--	--	0
UP Dance Academy	GMSG-515	07/16/08	9:26 AM	30.09	77	0	--	--	--	0
UP Dance Academy	GMSG-515	10/16/08	2:52 PM	30.25	54	0	--	--	--	0
UP Dance Academy	GMSG-515	01/22/09	10:38 AM	28.57	22	0	--	--	--	0
UP Dance Academy	GMSG-515	04/20/09	12:35 PM	28.29	34	T	--	--	--	0
UP Dance Academy	GMSG-515	07/27/09	3:30 PM	28.48	78	0	--	--	--	0
UP Dance Academy	GMSG-515	10/22/09	1:48 PM	28.85	41	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
UP Dance Academy	GMSG-515	04/22/10	11:16 AM	28.63	48	0	--	--	--	0
UP Dance Academy	GMSG-515	11/05/10	1:48 PM	28.74	34	0	--	--	--	0
UP Dance Academy	GMSG-515	07/08/11	5:12 PM	28.64	79	0	--	--	--	0
UP Dance Academy	GMSG-515	10/24/12	2:21 PM	28.59	60	0	--	--	--	0
UP Dance Academy	GMSG-515	11/07/13	12:25 PM	28.80	34	T	--	--	--	0
UP Dance Academy	GMSG-515	08/23/14	2:20 PM	28.80	67	0.13	--	--	--	0
UP Dance Academy	GMSG-515	08/04/15	12:54 PM	28.66	72	0	--	--	--	0
UP Dance Academy	GMSG-516	04/26/06	1:07 PM	28.59	67	0	--	--	--	0
UP Dance Academy	GMSG-516	05/05/06	10:31 AM	28.76	46	T	--	--	--	0
UP Dance Academy	GMSG-516	05/16/06	9:08 AM	28.64	61	0	--	--	--	0
UP Dance Academy	GMSG-516	06/01/06	11:38 AM	28.89	77	0	--	--	--	0
UP Dance Academy	GMSG-516	07/11/06	11:25 AM	28.80	71	0	--	--	--	0
UP Dance Academy	GMSG-516	08/11/06	10:36 AM	28.97	68	0	--	--	--	0
UP Dance Academy	GMSG-516	10/09/06	12:50 PM	29.11	49	0	--	--	--	0
UP Dance Academy	GMSG-516	02/04/07	1:50 PM	28.85	-6	T	--	--	--	0
UP Dance Academy	GMSG-516	04/04/07	11:29 AM	28.62	19	T	--	--	--	0
UP Dance Academy	GMSG-516	07/19/07	11:38 AM	30.00	69	0	--	--	--	0
UP Dance Academy	GMSG-516	10/18/07	10:38 AM	29.23	62	0.01	--	--	--	0
UP Dance Academy	GMSG-516	01/14/08	3:26 PM	29.94	25	0	--	--	--	0
UP Dance Academy	GMSG-516	04/15/08	2:02 PM	29.87	55	0	--	--	--	0
UP Dance Academy	GMSG-516	07/16/08	9:28 AM	30.09	77	0	--	--	--	0
UP Dance Academy	GMSG-516	10/16/08	2:55 PM	30.25	54	0	--	--	--	0
UP Dance Academy	GMSG-516	01/22/09	10:42 AM	28.57	22	0	--	--	--	0
UP Dance Academy	GMSG-516	04/20/09	12:50 PM	28.29	34	T	--	--	--	0
UP Dance Academy	GMSG-516	07/27/09	3:26 PM	28.48	80	0	--	--	--	0
UP Dance Academy	GMSG-516	10/22/09	1:50 PM	28.85	41	0	--	--	--	0
UP Dance Academy	GMSG-516	04/22/10	11:18 AM	28.63	48	0	--	--	--	0
UP Dance Academy	GMSG-516	11/05/10	1:50 PM	28.74	34	0	--	--	--	0
UP Dance Academy	GMSG-516	07/08/11	5:09 PM	28.64	79	0	--	--	--	0
UP Dance Academy	GMSG-516	10/24/12	2:18 PM	28.59	60	0	--	--	--	0
UP Dance Academy	GMSG-516	11/07/13	12:22 PM	28.80	34	T	--	--	--	0
UP Dance Academy	GMSG-516	08/23/14	2:23 PM	28.80	67	0.13	--	--	--	0
UP Dance Academy	GMSG-516	08/04/15	12:50 PM	28.66	72	0	--	--	--	0
UP Dance Academy	GMSG-517	05/05/06	10:34 AM	28.76	46	T	--	--	--	0
UP Dance Academy	GMSG-517	05/16/06	9:05 AM	28.64	61	0	--	--	--	0
UP Dance Academy	GMSG-517	05/25/06	9:01 AM	28.33	66	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
UP Dance Academy	GMSG-517	06/01/06	11:36 AM	28.89	77	0	--	--	--	0
UP Dance Academy	GMSG-517	07/11/06	11:12 AM	28.80	71	0	--	--	--	0
UP Dance Academy	GMSG-517	08/11/06	10:28 AM	28.97	65	0	--	--	--	0
UP Dance Academy	GMSG-517	10/09/06	1:02 PM	29.11	49	0	--	--	--	0
UP Dance Academy	GMSG-517	02/04/07	1:58 PM	28.85	-6	T	--	--	--	0
UP Dance Academy	GMSG-517	04/04/07	11:20 AM	28.62	19	T	--	--	--	0
UP Dance Academy	GMSG-517	07/19/07	11:32 AM	30.00	69	0	--	--	--	0
UP Dance Academy	GMSG-517	10/18/07	10:54 AM	29.23	62	0.01	--	--	--	0
UP Dance Academy	GMSG-517	01/14/08	3:21 PM	29.94	25	0	--	--	--	0
UP Dance Academy	GMSG-517	04/15/08	1:53 PM	29.87	55	0	--	--	--	0
UP Dance Academy	GMSG-517	07/16/08	9:20 AM	30.09	77	0	--	--	--	0
UP Dance Academy	GMSG-517	10/16/08	2:48 PM	30.25	54	0	--	--	--	0
UP Dance Academy	GMSG-517	01/22/09	10:28 AM	28.56	21	0	--	--	--	0
UP Dance Academy	GMSG-517	04/20/09	12:30 PM	28.29	34	T	--	--	--	0
UP Dance Academy	GMSG-517	07/27/09	3:24 PM	28.48	80	0	--	--	--	0
UP Dance Academy	GMSG-517	10/22/09	1:44 PM	28.85	41	0	--	--	--	0
UP Dance Academy	GMSG-517	04/22/10	11:12 AM	28.63	48	0	--	--	--	0
UP Dance Academy	GMSG-517	11/05/10	1:44 PM	28.74	34	0	--	--	--	0
UP Dance Academy	GMSG-517	07/08/11	5:18 PM	28.64	79	0	--	--	--	0
UP Dance Academy	GMSG-517	10/24/12	2:14 PM	28.59	60	0	--	--	--	0
UP Dance Academy	GMSG-517	11/07/13	1:35 PM	28.80	35	0	--	--	--	0
UP Dance Academy	GMSG-517	08/23/14	2:13 PM	28.80	67	0.13	--	--	--	0
UP Dance Academy	GMSG-517	08/04/15	12:47 PM	28.66	72	0	--	--	--	0
UP Security	GMSG-99	06/05/03	3:54 PM	28.69	74	0	--	0.2	20.1	0
UP Security	GMSG-99	06/06/03	9:01 AM	28.69	71	0	--	0.2	19.8	--
UP Security	GMSG-99	06/13/03	12:57 PM	28.62	77	0	--	0.4	19.3	0
UP Security	GMSG-99	06/19/03	12:46 PM	28.97	68	0	0	0.3	19.2	0
UP Security	GMSG-99	07/21/03	11:45 AM	28.57	71	0	0	0.4	19.4	0
UP Security	GMSG-99	08/05/03	2:17 PM	28.70	81	0	0	0.6	18.8	0
UP Security	GMSG-99	09/26/03	1:45 PM	28.36	54	T	0	0.4	19.1	0
UP Security	GMSG-99	11/02/03	4:05 PM	28.91	42	0	0	0.4	19	0
UP Security	GMSG-99	01/21/04	10:34 AM	28.40	20	T	0	0	18.8	0
UP Security	GMSG-99	04/19/04	8:22 AM	28.50	41	T	0	0.2	17.5	0
UP Security	GMSG-99	06/07/04	5:44 PM	28.50	84	0	0	0.8	18.7	0
UP Security	GMSG-99	07/14/04	2:13 PM	28.67	78	0	0	0.4	19.4	0
UP Security	GMSG-99	10/30/04	9:11 AM	27.94	55	0	0	0.4	19.5	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
UP Security	GMSG-99	02/07/05	3:46 PM	28.88	25	0	--	--	--	0
UP Security	GMSG-99	04/04/05	3:23 PM	28.72	56	0	--	--	--	0
UP Security	GMSG-99	07/05/05	1:04 PM	28.88	66	0	--	--	--	0
UP Security	GMSG-99	10/11/05	4:22 PM	28.99	56	0	--	--	--	0
UP Security	GMSG-99	02/27/06	2:27 PM	28.83	22	0	--	--	--	0
UP Security	GMSG-99	04/06/06	3:30 PM	28.49	54	0	--	--	--	0
UP Security	GMSG-99	07/13/06	9:58 AM	28.78	87	0	--	--	--	0
UP Security	GMSG-99	10/11/06	10:46 AM	28.06	42	0.03	--	--	--	0
UP Security	GMSG-99	01/31/07	2:59 PM	28.49	22	0	--	--	--	0
UP Security	GMSG-99	04/05/07	2:47 PM	28.87	25	T	--	--	--	0
UP Security	GMSG-99	07/19/07	3:12 PM	30.06	62	T	--	--	--	0
UP Security	GMSG-99	10/22/07	11:56 AM	30.03	51	0	--	--	--	0
UP Security	GMSG-99	01/16/08	11:35 AM	29.93	27	0	--	--	--	0
UP Security	GMSG-99	04/14/08	11:06 AM	30.26	42	0	--	--	--	0
UP Security	GMSG-99	07/09/08	9:28 AM	29.88	67	0	--	--	--	0
UP Security	GMSG-99	10/22/08	1:20 PM	30.45	48	0	--	--	--	0
UP Security	GMSG-99	01/05/09	2:22 PM	28.59	11	0	--	--	--	0
UP Security	GMSG-99	04/02/09	1:27 PM	28.46	42	0	--	--	--	0
UP Security	GMSG-99	10/23/09	11:37 AM	28.38	35	0.1	--	--	--	0
UP Security	GMSG-99	04/19/10	2:15 PM	28.91	63	0	--	--	--	0
UP Security	GMSG-99	11/03/10	12:54 PM	28.48	55	0	--	--	--	0
UP Security	GMSG-99	07/08/11	12:57 PM	28.63	82	0	--	--	--	0
UP Security	GMSG-99	07/10/11	6:02 PM	28.57	84	0	--	--	--	0
UP Security	GMSG-99	10/22/12	2:40 PM	28.72	63	0	--	--	--	0
UP Security	GMSG-99	11/06/13	9:31 AM	28.57	36	T	--	--	--	0
UP Security	GMSG-99	08/22/14	12:40 PM	28.72	71	0	--	--	--	0
UP Security	GMSG-99	08/03/15	1:48 PM	28.53	68	T	--	--	--	0
UP Security	GMSG-623	08/11/06	10:47 AM	28.97	68	0	--	--	--	0
UP Security	GMSG-623	08/18/06	9:44 AM	28.88	74	0	--	--	--	0
UP Security	GMSG-623	08/25/06	10:57 AM	28.71	61	T	--	--	--	0
UP Security	GMSG-623	09/19/06	9:42 AM	28.50	50	0	--	--	--	0
UP Security	GMSG-623	10/11/06	10:44 AM	28.06	42	0.03	--	--	--	0
UP Security	GMSG-623	11/15/06	1:28 PM	28.74	42	0	--	--	--	0
UP Security	GMSG-623	02/01/07	8:30 AM	28.39	11	0	--	--	--	0
UP Security	GMSG-623	04/05/07	2:44 PM	28.87	25	T	--	--	--	0
UP Security	GMSG-623	07/19/07	3:14 PM	30.06	62	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
UP Security	GMSG-623	10/22/07	11:54 AM	30.03	51	0	--	--	--	0
UP Security	GMSG-623	01/16/08	11:30 AM	29.93	27	0	--	--	--	0
UP Security	GMSG-623	04/14/08	11:03 AM	30.26	42	0	--	--	--	0
UP Security	GMSG-623	07/09/08	9:29 AM	29.88	67	0	--	--	--	0
UP Security	GMSG-623	10/22/08	1:18 PM	30.45	48	0	--	--	--	0
UP Security	GMSG-623	01/05/09	2:17 PM	28.59	11	0	--	--	--	0
UP Security	GMSG-623	04/02/09	1:25 PM	28.46	42	0	--	--	--	0
UP Security	GMSG-623	07/31/09	8:44 AM	28.64	63	0	--	--	--	0
UP Security	GMSG-623	10/23/09	11:39 AM	28.38	35	0.1	--	--	--	0
UP Security	GMSG-623	04/19/10	2:17 PM	28.91	63	0	--	--	--	0
UP Security	GMSG-623	11/03/10	12:56 PM	28.48	55	0	--	--	--	0
UP Security	GMSG-623	07/08/11	12:53 PM	28.63	82	0	--	--	--	0
UP Security	GMSG-623	10/22/12	2:33 PM	28.72	63	0	--	--	--	0
UP Security	GMSG-623	11/06/13	9:29 AM	28.53	35	T	--	--	--	0
UP Security	GMSG-623	08/12/14	9:34 AM	28.63	56	0	--	--	--	0
UP Security	GMSG-623	08/03/15	1:39 PM	28.53	68	T	--	--	--	0
UP Security	GMSG-624	08/11/06	10:54 AM	28.97	68	0	--	--	--	0
UP Security	GMSG-624	08/18/06	9:37 AM	28.88	74	0	--	--	--	0
UP Security	GMSG-624	08/25/06	10:50 AM	28.71	61	T	--	--	--	0
UP Security	GMSG-624	09/19/06	9:44 AM	28.50	50	0	--	--	--	0
UP Security	GMSG-624	10/11/06	10:49 AM	28.06	42	0.03	--	--	--	0
UP Security	GMSG-624	11/15/06	1:32 PM	28.72	43	0	--	--	--	0
UP Security	GMSG-624	02/01/07	8:20 AM	28.38	10	0	--	--	--	0
UP Security	GMSG-624	04/05/07	2:37 PM	28.87	25	T	--	--	--	0
UP Security	GMSG-624	07/19/07	3:19 PM	30.06	62	T	--	--	--	0
UP Security	GMSG-624	10/22/07	11:58 AM	30.03	51	0	--	--	--	0
UP Security	GMSG-624	01/16/08	11:39 AM	29.93	27	0	--	--	--	0
UP Security	GMSG-624	04/14/08	11:10 AM	30.26	42	0	--	--	--	0
UP Security	GMSG-624	07/09/08	9:33 AM	29.89	69	0	--	--	--	0
UP Security	GMSG-624	10/22/08	1:14 PM	30.45	48	0	--	--	--	0
UP Security	GMSG-624	01/05/09	2:06 PM	28.59	11	0	--	--	--	0
UP Security	GMSG-624	04/02/09	1:29 PM	28.46	42	0	--	--	--	0
UP Security	GMSG-624	07/31/09	8:40 AM	28.64	63	0	--	--	--	0
UP Security	GMSG-624	10/23/09	11:43 AM	28.38	35	0.1	--	--	--	0
UP Security	GMSG-624	04/19/10	2:22 PM	28.91	63	0	--	--	--	0
UP Security	GMSG-624	11/03/10	12:52 PM	28.48	55	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
UP Security	GMSG-624	07/08/11	1:04 PM	28.63	82	0	--	--	--	0
UP Security	GMSG-624	10/22/12	2:38 PM	28.72	63	0	--	--	--	0
UP Security	GMSG-624	11/06/13	9:33 AM	28.57	36	T	--	--	--	0
UP Security	GMSG-624	08/22/14	12:35 PM	28.72	71	0	--	--	--	0
UP Security	GMSG-624	08/03/15	1:45 PM	28.53	68	T	--	--	--	0
UP Security	GMSG-625	08/11/06	10:51 AM	28.97	68	0	--	--	--	0
UP Security	GMSG-625	08/18/06	9:41 AM	28.88	74	0	--	--	--	0
UP Security	GMSG-625	08/25/06	10:54 AM	28.71	61	T	--	--	--	0
UP Security	GMSG-625	09/19/06	9:45 AM	28.50	50	0	--	--	--	0
UP Security	GMSG-625	10/11/06	10:53 AM	28.06	42	0.03	--	--	--	0
UP Security	GMSG-625	11/15/06	1:30 PM	28.72	43	0	--	--	--	0
UP Security	GMSG-625	02/01/07	8:10 AM	28.38	10	0	--	--	--	0
UP Security	GMSG-625	04/05/07	2:41 PM	28.87	25	T	--	--	--	0
UP Security	GMSG-625	07/19/07	3:17 PM	30.06	62	T	--	--	--	0
UP Security	GMSG-625	10/22/07	12:00 PM	30.03	51	0	--	--	--	0
UP Security	GMSG-625	01/16/08	11:44 AM	29.93	27	0	--	--	--	0
UP Security	GMSG-625	04/14/08	11:08 AM	30.26	42	0	--	--	--	0
UP Security	GMSG-625	07/09/08	9:31 AM	29.89	69	0	--	--	--	0
UP Security	GMSG-625	10/22/08	1:16 PM	30.45	48	0	--	--	--	0
UP Security	GMSG-625	01/05/09	2:11 PM	28.59	11	0	--	--	--	0
UP Security	GMSG-625	04/02/09	1:31 PM	28.42	43	0	--	--	--	0
UP Security	GMSG-625	07/31/09	8:36 AM	28.64	63	0	--	--	--	0
UP Security	GMSG-625	10/23/09	11:41 AM	28.38	35	0.1	--	--	--	0
UP Security	GMSG-625	04/19/10	2:19 PM	28.91	63	0	--	--	--	0
UP Security	GMSG-625	11/03/10	12:50 PM	28.48	55	0	--	--	--	0
UP Security	GMSG-625	07/08/11	1:08 PM	28.63	82	0	--	--	--	0
UP Security	GMSG-625	10/22/12	2:36 PM	28.72	63	0	--	--	--	0
UP Security	GMSG-625	11/06/13	9:37 AM	28.57	36	T	--	--	--	0
UP Security	GMSG-625	08/12/14	9:41 AM	28.63	56	0	--	--	--	0
UP Security	GMSG-625	08/03/15	1:42 PM	28.53	68	T	--	--	--	0
UP Travel & Recreation	GMSG-424	10/29/03	12:42 PM	28.45	43	0	0	0.3	18.7	0
UP Travel & Recreation	GMSG-424	11/03/03	4:30 PM	29.02	32	0.01	0	0.4	18.7	0
UP Travel & Recreation	GMSG-424	11/10/03	1:04 PM	28.86	33	T	0	0.2	18.5	0
UP Travel & Recreation	GMSG-424	12/17/03	4:20 PM	28.59	24	0	0	0.5	18.3	0
UP Travel & Recreation	GMSG-424	01/20/04	1:17 PM	29.04	12	0	0	0.8	18.1	0
UP Travel & Recreation	GMSG-424	02/11/04	4:16 PM	28.78	19	T	0	0.8	18.8	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
UP Travel & Recreation	GMSG-424	04/19/04	1:37 PM	28.82	-	0	0	0	17.4	0
UP Travel & Recreation	GMSG-424	07/13/04	11:24 AM	28.60	75	0	0	0.3	19.1	0
UP Travel & Recreation	GMSG-424	10/28/04	9:34 AM	28.94	47	0	0	0.2	19.2	0
UP Travel & Recreation	GMSG-424	01/25/05	2:30 PM	28.25	27	0	0	1	18.4	0
UP Travel & Recreation	GMSG-424	07/01/05	2:27 PM	28.71	64	0	--	--	--	0
UP Travel & Recreation	GMSG-424	10/10/05	4:05 PM	28.96	63	0	--	--	--	0
UP Travel & Recreation	GMSG-424	03/13/06	11:13 AM	28.06	32	0.11	--	--	--	0
UP Travel & Recreation	GMSG-424	04/03/06	2:54 PM	28.67	42	0	--	--	--	0
UP Travel & Recreation	GMSG-424	07/10/06	1:35 PM	28.76	73	0	--	--	--	0
UP Travel & Recreation	GMSG-424	10/03/06	2:05 PM	28.87	70	0	--	--	--	0
UP Travel & Recreation	GMSG-424	01/17/07	11:23 AM	29.08	20	0	--	--	--	0
UP Travel & Recreation	GMSG-424	04/02/07	10:54 AM	28.62	41	0	--	--	--	0
UP Travel & Recreation	GMSG-424	07/18/07	10:51 AM	29.89	79	0	--	--	--	0
UP Travel & Recreation	GMSG-424	10/23/07	8:41 AM	29.88	44	0	--	--	--	0
UP Travel & Recreation	GMSG-424	11/02/07	2:35 PM	29.97	52	0	--	--	--	0
UP Travel & Recreation	GMSG-424	01/04/08	3:08 PM	29.94	28	0	--	--	--	0
UP Travel & Recreation	GMSG-424	04/24/08	1:35 PM	30.00	62	T	--	--	--	0
UP Travel & Recreation	GMSG-424	07/14/08	8:44 AM	29.87	66	0	--	--	--	0
UP Travel & Recreation	GMSG-424	10/13/08	3:01 PM	30.03	76	0	--	--	--	0
UP Travel & Recreation	GMSG-424	01/27/09	2:39 PM	28.95	9	0	--	--	--	0
UP Travel & Recreation	GMSG-424	04/01/09	10:53 AM	28.18	34	T	--	--	--	0
UP Travel & Recreation	GMSG-424	07/28/09	1:43 PM	28.47	71	0	--	--	--	0
UP Travel & Recreation	GMSG-424	10/19/09	2:55 PM	28.50	66	0	--	--	--	0
UP Travel & Recreation	GMSG-424	04/27/10	10:46 AM	28.66	50	0	--	--	--	0
UP Travel & Recreation	GMSG-424	10/27/10	11:14 AM	27.88	41	T	--	--	--	0
UP Travel & Recreation	GMSG-424	07/10/11	11:12 AM	28.61	76	T	--	--	--	0
UP Travel & Recreation	GMSG-424	10/31/12	1:08 PM	28.54	39	0	--	--	--	0
UP Travel & Recreation	GMSG-424	11/09/13	1:00 PM	28.39	40	0	--	--	--	0
UP Travel & Recreation	GMSG-424	08/13/14	11:25 AM	28.76	71	0	--	--	--	0
UP Travel & Recreation	GMSG-424	08/05/15	10:54 AM	28.83	67	0	--	--	--	0
UP Travel & Recreation	GMSG-425	10/29/03	12:47 PM	28.45	43	0	0	1.4	17.7	0
UP Travel & Recreation	GMSG-425	11/03/03	4:35 PM	29.02	32	0.01	0	1.5	17.5	0
UP Travel & Recreation	GMSG-425	11/10/03	1:08 PM	28.86	33	T	0	1.3	17.8	0
UP Travel & Recreation	GMSG-425	12/17/03	4:30 PM	28.60	23	0	0	1.2	17.7	0
UP Travel & Recreation	GMSG-425	01/20/04	1:24 PM	29.04	12	0	0	1.1	17.8	0
UP Travel & Recreation	GMSG-425	02/11/04	4:30 PM	28.79	19	T	0	1.1	18.3	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
UP Travel & Recreation	GMSG-425	04/17/04	1:50 PM	28.91	66	0	0	0.5	16.8	0
UP Travel & Recreation	GMSG-425	07/13/04	11:28 AM	28.60	75	0	0	0.2	19.3	0
UP Travel & Recreation	GMSG-425	10/28/04	9:29 AM	28.98	46	0	0	1.2	17.6	0
UP Travel & Recreation	GMSG-425	01/25/05	2:24 PM	28.26	26	0	0	1.2	18.2	0
UP Travel & Recreation	GMSG-425	04/02/05	2:04 PM	28.79	51	0	--	--	--	0
UP Travel & Recreation	GMSG-425	07/01/05	2:32 PM	28.72	67	0	--	--	--	0
UP Travel & Recreation	GMSG-425	10/10/05	4:10 PM	28.96	63	0	--	--	--	0
UP Travel & Recreation	GMSG-425	03/14/06	11:10 AM	28.56	25	T	--	--	--	0
UP Travel & Recreation	GMSG-425	04/03/06	2:57 PM	28.67	42	0	--	--	--	0
UP Travel & Recreation	GMSG-425	07/10/06	1:39 PM	28.76	73	0	--	--	--	0
UP Travel & Recreation	GMSG-425	10/03/06	2:11 PM	28.87	70	0	--	--	--	0
UP Travel & Recreation	GMSG-425	01/17/07	11:29 AM	29.08	20	0	--	--	--	0
UP Travel & Recreation	GMSG-425	04/02/07	10:49 AM	28.62	41	0	--	--	--	0
UP Travel & Recreation	GMSG-425	07/18/07	10:55 AM	29.89	79	0	--	--	--	0
UP Travel & Recreation	GMSG-425	10/23/07	8:47 AM	29.88	44	0	--	--	--	0
UP Travel & Recreation	GMSG-425	11/02/07	2:37 PM	29.97	52	0	--	--	--	0
UP Travel & Recreation	GMSG-425	01/04/08	3:13 PM	29.94	28	0	--	--	--	0
UP Travel & Recreation	GMSG-425	04/24/08	1:37 PM	30.00	62	T	--	--	--	0
UP Travel & Recreation	GMSG-425	07/14/08	8:47 AM	29.87	66	0	--	--	--	0
UP Travel & Recreation	GMSG-425	10/13/08	3:04 PM	30.03	76	0	--	--	--	0
UP Travel & Recreation	GMSG-425	01/27/09	2:29 PM	28.93	10	0	--	--	--	0
UP Travel & Recreation	GMSG-425	04/01/09	10:58 AM	28.18	34	T	--	--	--	0
UP Travel & Recreation	GMSG-425	07/28/09	1:18 PM	28.46	71	0	--	--	--	0
UP Travel & Recreation	GMSG-425	10/19/09	2:59 PM	28.50	66	0	--	--	--	0
UP Travel & Recreation	GMSG-425	04/27/10	10:50 AM	28.66	50	0	--	--	--	0
UP Travel & Recreation	GMSG-425	10/27/10	11:17 AM	27.88	41	T	--	--	--	0
UP Travel & Recreation	GMSG-425	07/10/11	11:08 AM	28.61	76	T	--	--	--	0
UP Travel & Recreation	GMSG-425	10/31/12	1:11 PM	28.54	39	0	--	--	--	0
UP Travel & Recreation	GMSG-425	11/09/13	1:00 PM	28.39	40	0	--	--	--	0
UP Travel & Recreation	GMSG-425	08/13/14	11:33 AM	28.75	72	0	--	--	--	0
UP Travel & Recreation	GMSG-425	08/05/15	11:00 AM	28.83	67	0	--	--	--	0
UP Travel & Recreation	GMSG-586	06/01/06	10:56 AM	28.91	75	0	--	--	--	0
UP Travel & Recreation	GMSG-586	06/06/06	2:22 PM	28.55	68	0	--	--	--	0
UP Travel & Recreation	GMSG-586	06/15/06	12:52 PM	28.85	76	0	--	--	--	0
UP Travel & Recreation	GMSG-586	07/10/06	4:12 PM	28.76	75	0	--	--	--	0
UP Travel & Recreation	GMSG-586	08/11/06	8:38 AM	28.97	64	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
UP Travel & Recreation	GMSG-586	09/06/06	2:23 PM	28.89	71	0	--	--	--	0
UP Travel & Recreation	GMSG-586	10/03/06	2:08 PM	28.87	70	0	--	--	--	0
UP Travel & Recreation	GMSG-586	01/17/07	11:26 AM	29.08	20	0	--	--	--	0
UP Travel & Recreation	GMSG-586	04/02/07	10:52 AM	28.62	41	0	--	--	--	0
UP Travel & Recreation	GMSG-586	07/18/07	10:53 AM	29.89	79	0	--	--	--	0
UP Travel & Recreation	GMSG-586	10/01/08	9:13 AM	30.00	47	0	--	--	--	0
UP Travel & Recreation	GMSG-586	01/27/09	2:20 PM	28.93	10	0	--	--	--	0
UP Travel & Recreation	GMSG-586	04/01/09	10:56 AM	28.18	34	T	--	--	--	0
UP Travel & Recreation	GMSG-586	07/28/09	1:20 PM	28.46	71	0	--	--	--	0
UP Travel & Recreation	GMSG-586	10/19/09	2:57 PM	28.50	66	0	--	--	--	0
UP Travel & Recreation	GMSG-586	04/27/10	10:48 AM	28.66	50	0	--	--	--	0
UP Travel & Recreation	GMSG-586	10/27/10	11:16 AM	27.89	42	T	--	--	--	0
UP Travel & Recreation	GMSG-586	07/10/11	11:10 AM	28.61	76	T	--	--	--	0
UP Travel & Recreation	GMSG-586	10/31/12	1:09 PM	28.54	39	0	--	--	--	0
UP Travel & Recreation	GMSG-586	11/09/13	1:00 PM	28.39	40	0	--	--	--	0
UP Travel & Recreation	GMSG-586	08/20/14	2:18 PM	28.64	68	0	--	--	--	0
UP Travel & Recreation	GMSG-586	08/05/15	10:57 AM	28.83	67	0	--	--	--	0
UP Travel & Recreation	GMSG-587	06/06/06	2:19 PM	28.55	68	0	--	--	--	0
UP Travel & Recreation	GMSG-587	06/15/06	12:47 PM	28.85	76	0	--	--	--	0
UP Travel & Recreation	GMSG-587	06/23/06	10:02 AM	29.02	67	0	--	--	--	0
UP Travel & Recreation	GMSG-587	07/10/06	4:16 PM	28.76	75	0	--	--	--	0
UP Travel & Recreation	GMSG-587	08/11/06	8:43 AM	28.97	64	0	--	--	--	0
UP Travel & Recreation	GMSG-587	09/06/06	2:27 PM	28.89	71	0	--	--	--	0
UP Travel & Recreation	GMSG-587	10/03/06	2:01 PM	28.87	70	0	--	--	--	0
UP Travel & Recreation	GMSG-587	01/17/07	11:17 AM	29.08	20	0	--	--	--	0
UP Travel & Recreation	GMSG-587	04/02/07	10:57 AM	28.62	41	0	--	--	--	0
UP Travel & Recreation	GMSG-587	07/18/07	10:49 AM	29.89	79	0	--	--	--	0
UP Travel & Recreation	GMSG-587	10/23/07	8:50 AM	29.88	44	0	--	--	--	3
UP Travel & Recreation	GMSG-587	01/04/08	3:02 PM	29.94	28	0	--	--	--	0
UP Travel & Recreation	GMSG-587	04/24/08	1:33 PM	30.00	62	T	--	--	--	0
UP Travel & Recreation	GMSG-587	07/14/08	8:41 AM	29.87	66	0	--	--	--	0
UP Travel & Recreation	GMSG-587	10/13/08	2:59 PM	30.03	76	0	--	--	--	0
UP Travel & Recreation	GMSG-587	01/27/09	2:43 PM	28.95	9	0	--	--	--	0
UP Travel & Recreation	GMSG-587	04/01/09	10:50 AM	28.18	34	T	--	--	--	0
UP Travel & Recreation	GMSG-587	07/28/09	1:14 PM	28.46	71	0	--	--	--	0
UP Travel & Recreation	GMSG-587	10/19/09	2:54 PM	28.50	66	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
UP Travel & Recreation	GMSG-587	04/27/10	10:44 AM	28.66	50	0	--	--	--	0
UP Travel & Recreation	GMSG-587	10/27/10	11:12 AM	27.88	41	T	--	--	--	0
UP Travel & Recreation	GMSG-587	07/10/11	11:06 AM	28.61	76	T	--	--	--	0
UP Travel & Recreation	GMSG-587	10/31/12	1:06 PM	28.54	39	0	--	--	--	0
UP Travel & Recreation	GMSG-587	11/09/13	1:00 PM	28.39	40	0	--	--	--	0
UP Travel & Recreation	GMSG-587	08/13/14	11:37 AM	28.75	72	0	--	--	--	0
UP Travel & Recreation	GMSG-587	08/05/15	10:51 AM	28.83	67	0	--	--	--	0
UPS	GMSG-42	08/01/01	8:52 AM	28.92	74	T	0	0.5	19.5	--
UPS	GMSG-42	08/09/01	2:39 PM	28.57	83	0	0	1.7	18.7	--
UPS	GMSG-42	09/11/01	2:33 PM	28.96	64	T	0	1.7	18.7	--
UPS	GMSG-42	09/24/01	4:00 PM	29.08	48	0	0	2.2	18.1	--
UPS	GMSG-42	10/21/01	9:52 AM	28.82	46	0	0	0.9	18.3	--
UPS	GMSG-42	11/13/01	9:05 AM	28.81	41	0.01	0	1	19.3	--
UPS	GMSG-42	02/13/02	2:15 PM	28.78	33	0	0	1.2	19.3	--
UPS	GMSG-42	06/26/02	12:59 PM	28.57	81	0	0	0	20.9	--
UPS	GMSG-42	09/30/02	2:30 PM	28.53	74	0	0	0	21	0
UPS	GMSG-42	11/20/02	1:41 PM	28.68	32	0.01	0	1.6	17.9	0
UPS	GMSG-42	01/28/03	1:25 PM	28.74	23	T	0	0.4	19.4	0
UPS	GMSG-42	04/21/03	10:47 AM	28.48	40	T	0	0	19.9	0
UPS	GMSG-42	07/21/03	2:47 PM	28.63	68	0	0	0.7	18.9	0
UPS	GMSG-42	11/03/03	11:00 AM	29.05	35	0	0	1.3	17.9	0
UPS	GMSG-42	01/20/04	1:45 PM	29.02	14	0	0	1.4	17.5	0
UPS	GMSG-42	04/17/04	2:44 PM	28.91	67	0	0	0.8	17.2	0
UPS	GMSG-42	07/13/04	11:38 AM	28.55	75	0	0	0.2	19.5	0
UPS	GMSG-42	10/29/04	12:03 PM	28.40	56	0	0	1.4	18.1	0
UPS	GMSG-42	02/07/05	12:47 PM	28.87	28	T	--	--	--	0
UPS	GMSG-42	04/02/05	2:06 PM	28.79	51	0	--	--	--	0
UPS	GMSG-42	07/01/05	2:45 PM	28.72	67	0	--	--	--	0
UPS	GMSG-42	10/10/05	4:15 PM	28.96	63	0	--	--	--	0
UPS	GMSG-42	02/22/06	1:03 PM	28.49	29	0	--	--	--	0
UPS	GMSG-42	04/03/06	3:04 PM	28.67	42	0	--	--	--	0
UPS	GMSG-42	07/10/06	1:51 PM	28.76	73	0	--	--	--	0
UPS	GMSG-42	10/03/06	2:16 PM	28.87	70	0	--	--	--	0
UPS	GMSG-42	01/17/07	11:33 AM	29.05	23	0	--	--	--	0
UPS	GMSG-42	04/02/07	10:43 AM	28.62	41	0	--	--	--	0
UPS	GMSG-42	07/18/07	10:57 AM	29.89	79	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
UPS	GMSG-42	10/18/07	4:22 PM	29.15	67	T	--	--	--	0
UPS	GMSG-42	01/04/08	3:21 PM	29.94	28	0	--	--	--	0
UPS	GMSG-42	04/24/08	1:50 PM	30.00	62	T	--	--	--	0
UPS	GMSG-42	07/14/08	8:51 AM	29.87	66	0	--	--	--	0
UPS	GMSG-42	10/13/08	3:09 PM	30.03	76	0	--	--	--	0
UPS	GMSG-42	01/28/09	9:11 AM	28.57	0	0	--	--	--	0
UPS	GMSG-42	04/01/09	11:02 AM	28.18	34	T	--	--	--	0
UPS	GMSG-42	07/28/09	1:53 PM	28.47	71	0	--	--	--	0
UPS	GMSG-42	10/19/09	3:04 PM	28.50	66	0	--	--	--	0
UPS	GMSG-42	04/27/10	10:55 AM	28.66	50	0	--	--	--	0
UPS	GMSG-42	10/27/10	11:23 AM	27.88	41	T	--	--	--	0
UPS	GMSG-42	07/09/11	3:48 PM	28.59	80	0	--	--	--	0
UPS	GMSG-42	10/31/12	1:20 PM	28.54	39	0	--	--	--	0
UPS	GMSG-42	11/09/13	2:15 PM	28.41	39	T	--	--	--	0
UPS	GMSG-42	08/14/14	10:05 AM	28.87	66	0	--	--	--	0
UPS	GMSG-42	08/07/15	2:17 PM	28.64	66	T	--	--	--	0
UPS	GMSG-78	07/13/02	10:28 AM	28.79	79	0	0	2.4	18.9	0
UPS	GMSG-78	07/22/02	2:12 PM	28.68	82	0	0	1.8	19	0
UPS	GMSG-78	08/12/02	11:45 AM	28.66	80	0	0	2.7	18.1	0
UPS	GMSG-78	09/30/02	2:26 PM	28.55	73	0	0	2.3	18.1	0
UPS	GMSG-78	10/29/02	12:59 PM	28.95	42	0	0	2.1	17.7	0
UPS	GMSG-78	11/19/02	12:14 PM	28.54	44	0	0	2.1	17.9	0
UPS	GMSG-78	01/28/03	1:18 PM	28.74	23	T	0	2	17.7	0
UPS	GMSG-78	04/21/03	10:42 AM	28.48	40	T	0	1.6	18.1	0
UPS	GMSG-78	07/21/03	3:00 PM	28.63	68	0	0	2	17.8	0
UPS	GMSG-78	11/03/03	10:55 AM	29.05	35	0	0	2.1	17.3	0
UPS	GMSG-78	01/20/04	1:35 PM	29.02	14	0	0	2.3	16.9	0
UPS	GMSG-78	04/17/04	1:56 PM	28.91	66	0	0	1.4	16.7	0
UPS	GMSG-78	07/13/04	11:43 AM	28.55	75	0	0	0.1	19.6	0
UPS	GMSG-78	10/28/04	9:25 AM	28.98	46	0	0	1.6	18	0
UPS	GMSG-78	01/25/05	2:03 PM	28.26	26	0	0	2	17.7	0
UPS	GMSG-78	04/02/05	2:45 PM	28.78	52	0	--	--	--	0
UPS	GMSG-78	07/01/05	2:39 PM	28.72	67	0	--	--	--	0
UPS	GMSG-78	10/10/05	4:25 PM	28.96	63	0	--	--	--	0
UPS	GMSG-78	02/22/06	12:36 PM	28.49	29	0	--	--	--	0
UPS	GMSG-78	04/03/06	3:02 PM	28.67	42	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
UPS	GMSG-78	07/10/06	1:43 PM	28.76	73	0	--	--	--	0
UPS	GMSG-78	10/03/06	2:13 PM	28.87	70	0	--	--	--	0
UPS	GMSG-78	01/17/07	11:38 AM	29.05	23	0	--	--	--	0
UPS	GMSG-78	04/02/07	10:46 AM	28.62	41	0	--	--	--	0
UPS	GMSG-78	07/18/07	10:59 AM	29.89	79	0	--	--	--	0
UPS	GMSG-78	10/18/07	4:17 PM	29.15	67	T	--	--	--	0
UPS	GMSG-78	11/02/07	3:58 PM	29.99	52	0	--	--	--	0
UPS	GMSG-78	01/04/08	3:18 PM	29.94	28	0	--	--	--	0
UPS	GMSG-78	04/29/08	2:00 PM	30.04	44	0	--	--	--	0
UPS	GMSG-78	07/14/08	9:55 AM	29.87	68	0	--	--	--	0
UPS	GMSG-78	10/13/08	3:07 PM	30.03	76	0	--	--	--	0
UPS	GMSG-78	01/28/09	9:07 AM	28.57	0	0	--	--	--	0
UPS	GMSG-78	04/01/09	11:00 AM	28.18	34	T	--	--	--	0
UPS	GMSG-78	07/28/09	1:51 PM	28.47	71	0	--	--	--	0
UPS	GMSG-78	10/19/09	3:02 PM	28.50	66	0	--	--	--	0
UPS	GMSG-78	04/27/10	10:53 AM	28.66	50	0	--	--	--	0
UPS	GMSG-78	10/27/10	11:21 AM	27.88	41	T	--	--	--	0
UPS	GMSG-78	10/31/12	1:18 PM	28.54	39	0	--	--	--	0
UPS	GMSG-78	11/09/13	2:15 PM	28.41	39	T	--	--	--	0
UPS	GMSG-78	08/14/14	10:00 AM	28.87	66	0	--	--	--	0
UPS	GMSG-78	08/07/15	2:14 PM	28.64	66	T	--	--	--	0
VanErt Electric	GMSG-55	09/11/01	4:42 PM	28.93	62	0	0	13.5	3.3	--
VanErt Electric	GMSG-55	09/24/01	2:34 PM	29.08	49	0	0	13.8	3.3	--
VanErt Electric	GMSG-55	10/21/01	9:07 AM	28.81	42	0	0	0.2	19	--
VanErt Electric	GMSG-55	11/13/01	8:24 AM	28.82	39	0.02	0	11.4	5.9	--
VanErt Electric	GMSG-55	02/13/02	8:46 AM	28.94	11	0	0	7.6	13	--
VanErt Electric	GMSG-55	06/26/02	9:59 AM	28.61	77	0	0	12.5	2.7	--
VanErt Electric	GMSG-55	09/27/02	1:49 PM	28.70	63	0	0	12.2	3.2	0
VanErt Electric	GMSG-55	11/20/02	12:25 PM	28.70	37	0	0	11.3	5	0
VanErt Electric	GMSG-55	01/29/03	1:42 PM	29.06	16	0	0	7.8	10.6	0
VanErt Electric	GMSG-55	04/22/03	11:51 AM	28.86	48	0	0	7.3	6	0
VanErt Electric	GMSG-55	08/04/03	11:38 AM	28.75	68	T	0	10.8	5.9	0
VanErt Electric	GMSG-55	11/01/03	12:05 PM	29.08	37	0	0	10.6	7.7	0
VanErt Electric	GMSG-55	01/20/04	9:24 AM	29.06	-3	0	0	7.5	11.4	0
VanErt Electric	GMSG-55	04/17/04	11:30 AM	28.92	63	0	0	5.6	3.6	0
VanErt Electric	GMSG-55	07/13/04	9:42 AM	28.59	73	0	0	12.9	2.4	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
VanErt Electric	GMSG-55	10/25/04	2:56 PM	28.85	55	0	0	10.6	3.8	--
VanErt Electric	GMSG-55	01/27/05	2:42 PM	29.31	17	0	--	--	--	0
VanErt Electric	GMSG-55	04/01/05	3:39 PM	28.74	46	T	--	--	--	0
VanErt Electric	GMSG-55	07/05/05	11:15 AM	28.88	62	0	--	--	--	0
VanErt Electric	GMSG-55	10/11/05	9:05 AM	29.05	40	0	0	--	--	7
VanErt Electric	GMSG-55	10/13/05	8:35 AM	28.85	55	0	--	--	--	0
VanErt Electric	GMSG-55	10/18/05	11:20 AM	28.64	53	0	--	--	--	3
VanErt Electric	GMSG-55	10/20/05	12:30 PM	28.88	48	0	--	--	--	--
VanErt Electric	GMSG-55	10/25/05	1:35 PM	28.90	45	0	--	--	--	4
VanErt Electric	GMSG-55	10/25/05	3:15 PM	28.89	44	0	0	11.6	1.5	--
VanErt Electric	GMSG-55	11/08/05	10:55 AM	28.88	44	0	0	10.1	2.3	--
VanErt Electric	GMSG-55	11/08/05	11:00 AM	28.88	44	0	--	--	--	0
VanErt Electric	GMSG-55	11/14/05	3:19 PM	29.00	38	0	--	--	--	0
VanErt Electric	GMSG-55	11/28/05	11:47 AM	28.16	44	T	--	--	--	0
VanErt Electric	GMSG-55	12/07/05	9:59 AM	29.26	21	0	--	--	--	0
VanErt Electric	GMSG-55	02/24/06	10:24 AM	29.01	10	0	--	--	--	0
VanErt Electric	GMSG-55	04/05/06	3:15 PM	28.70	58	0	--	--	--	0
VanErt Electric	GMSG-55	04/11/06	1:20 PM	28.59	73	0	0	7.7	5.6	0
VanErt Electric	GMSG-55	07/05/06	2:43 PM	28.91	75	0	--	--	--	0
VanErt Electric	GMSG-55	10/16/06	1:13 PM	28.63	46	0.09	--	--	--	0
VanErt Electric	GMSG-55	02/07/07	8:58 AM	28.85	0	0	--	--	--	0
VanErt Electric	GMSG-55	04/02/07	1:05 PM	28.66	45	0	--	--	--	0
VanErt Electric	GMSG-55	07/20/07	9:19 AM	30.25	65	0	--	--	--	0
VanErt Electric	GMSG-55	10/22/07	3:25 PM	30.01	52	0	--	--	--	0
VanErt Electric	GMSG-55	01/07/08	10:50 AM	29.80	34	0	--	--	--	0
VanErt Electric	GMSG-55	04/28/08	10:19 AM	30.06	35	0	--	--	--	0
VanErt Electric	GMSG-55	07/14/08	10:22 AM	29.87	68	0	--	--	--	0
VanErt Electric	GMSG-55	10/16/08	11:06 AM	30.27	50	0	--	--	--	0
VanErt Electric	GMSG-55	01/22/09	1:05 PM	28.54	23	0	--	--	--	0
VanErt Electric	GMSG-55	04/21/09	9:25 AM	28.19	34	T	--	--	--	0
VanErt Electric	GMSG-55	07/28/09	9:44 AM	28.44	71	0	--	--	--	0
VanErt Electric	GMSG-55	10/20/09	2:31 PM	28.83	49	0	--	--	--	0
VanErt Electric	GMSG-55	04/27/10	10:07 AM	28.67	49	0	--	--	--	0
VanErt Electric	GMSG-55	07/22/10	1:16 PM	28.66	70	0	--	--	--	0
VanErt Electric	GMSG-55	11/08/10	1:20 PM	28.66	54	0	--	--	--	0
VanErt Electric	GMSG-55	07/09/11	11:02 AM	28.64	73	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
VanErt Electric	GMSG-55	10/29/12	12:23 PM	29.04	46	0	--	--	--	0
VanErt Electric	GMSG-55	11/10/13	3:20 PM	28.89	39	0	--	--	--	0
VanErt Electric	GMSG-55	08/12/14	1:46 PM	28.61	71	0	--	--	--	0
VanErt Electric	GMSG-55	08/07/15	10:14 AM	28.65	60	T	--	--	--	0
VanErt Electric	GMSG-597	06/15/06	2:11 PM	28.84	78	0	--	--	--	0
VanErt Electric	GMSG-597	06/23/06	11:26 AM	29.00	69	0	--	--	--	0
VanErt Electric	GMSG-597	06/27/06	10:04 AM	28.73	71	0	--	--	--	0
VanErt Electric	GMSG-597	06/27/06	10:35 AM	28.73	73	0	0	15.3	1.7	--
VanErt Electric	GMSG-597	07/05/06	1:14 PM	28.92	72	T	0	15	3.3	5
VanErt Electric	GMSG-597	08/11/06	12:12 PM	28.96	70	0	--	--	--	0
VanErt Electric	GMSG-597	09/19/06	2:20 PM	28.58	53	T	--	--	--	0
VanErt Electric	GMSG-597	10/16/06	1:11 PM	28.63	46	0.09	--	--	--	0
VanErt Electric	GMSG-597	02/07/07	8:53 AM	28.85	0	0	--	--	--	0
VanErt Electric	GMSG-597	04/02/07	1:07 PM	28.66	45	0	--	--	--	0
VanErt Electric	GMSG-597	07/20/07	9:22 AM	30.25	65	0	--	--	--	0
VanErt Electric	GMSG-597	10/22/07	3:35 PM	30.01	51	0	--	--	--	0
VanErt Electric	GMSG-597	01/07/08	10:39 AM	29.80	34	0	--	--	--	0
VanErt Electric	GMSG-597	04/28/08	10:22 AM	30.06	35	0	--	--	--	0
VanErt Electric	GMSG-597	07/14/08	10:25 AM	29.87	68	0	--	--	--	0
VanErt Electric	GMSG-597	10/16/08	11:13 AM	30.27	50	0	--	--	--	0
VanErt Electric	GMSG-597	01/22/09	12:42 PM	28.54	23	0	--	--	--	0
VanErt Electric	GMSG-597	04/21/09	9:30 AM	28.20	35	T	--	--	--	0
VanErt Electric	GMSG-597	07/28/09	9:54 AM	28.44	71	0	--	--	--	0
VanErt Electric	GMSG-597	10/20/09	2:23 PM	28.82	47	0	--	--	--	0
VanErt Electric	GMSG-597	04/27/10	9:56 AM	28.67	49	0	--	--	--	0
VanErt Electric	GMSG-597	07/22/10	1:11 PM	28.66	70	0	--	--	--	0
VanErt Electric	GMSG-597	11/08/10	1:21 PM	28.66	54	0	--	--	--	0
VanErt Electric	GMSG-597	07/09/11	10:56 AM	28.64	73	0	--	--	--	0
VanErt Electric	GMSG-597	10/29/12	12:26 PM	29.04	46	0	--	--	--	0
VanErt Electric	GMSG-597	11/10/13	3:20 PM	28.89	39	0	--	--	--	0
VanErt Electric	GMSG-597	08/12/14	2:10 PM	28.61	71	0	--	--	--	0
VanErt Electric	GMSG-597	08/07/15	10:05 AM	28.65	60	T	--	--	--	0
VanErt Electric	GMSG-598	06/15/06	2:14 PM	28.84	78	0	--	--	--	0
VanErt Electric	GMSG-598	06/23/06	11:45 AM	28.98	71	0	--	--	--	0
VanErt Electric	GMSG-598	06/27/06	10:08 AM	28.73	71	0	--	--	--	3
VanErt Electric	GMSG-598	06/27/06	10:28 AM	28.73	71	0	0.2	4.8	---	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
VanErt Electric	GMSG-598	06/27/06	10:32 AM	28.73	71	0	0.3	13.1	3.8	--
VanErt Electric	GMSG-598	07/05/06	1:09 PM	28.92	72	T	--	--	--	6
VanErt Electric	GMSG-598	08/11/06	12:15 PM	28.96	70	0	--	--	--	21
VanErt Electric	GMSG-598	08/11/06	12:35 PM	28.95	71	0	0	14.2	0.1	--
VanErt Electric	GMSG-598	09/19/06	2:09 PM	28.58	53	T	1.7	17.5	0	44
VanErt Electric	GMSG-598	09/19/06	2:50 PM	28.60	52	T	1.4	17.9	0	--
VanErt Electric	GMSG-598	09/20/06	9:03 AM	28.78	48	0	1.5	17.2	0	--
VanErt Electric	GMSG-598	09/21/06	10:35 AM	28.77	60	0	1.5	18.1	0	--
VanErt Electric	GMSG-598	09/22/06	12:47 PM	28.46	54	0.02	1.4	18.1	0	--
VanErt Electric	GMSG-598	09/28/06	8:58 AM	28.75	46	0	1.3	13.6	0	--
VanErt Electric	GMSG-598	10/03/06	12:54 PM	28.88	69	0	0.9	13.5	0	--
VanErt Electric	GMSG-598	10/13/06	10:16 AM	28.01	39	0	1.1	14	0	--
VanErt Electric	GMSG-598	10/24/06	2:38 PM	28.91	39	0	0.8	10.4	0.3	--
VanErt Electric	GMSG-598	10/31/06	3:18 PM	28.66	36	0	0.4	12.1	0	--
VanErt Electric	GMSG-598	11/08/06	9:49 AM	28.28	49	0	0.6	12.3	0	--
VanErt Electric	GMSG-598	11/17/06	1:11 PM	28.69	36	0	0.6	10.3	0	--
VanErt Electric	GMSG-598	11/21/06	9:42 AM	28.92	39	0	0.3	10.6	0	--
VanErt Electric	GMSG-598	12/18/06	2:57 PM	29.08	32	0	0.4	7.5	0	--
VanErt Electric	GMSG-598	01/05/07	10:45 AM	28.40	41	0	0.3	5.9	0.6	--
VanErt Electric	GMSG-598	01/19/07	3:02 PM	28.83	15	T	0	7.1	0	--
VanErt Electric	GMSG-598	02/07/07	9:20 AM	28.85	0	0	--	--	--	0
VanErt Electric	GMSG-598	04/02/07	1:14 PM	28.66	45	0	--	--	--	0
VanErt Electric	GMSG-598	07/20/07	9:27 AM	30.25	65	0	--	--	--	0
VanErt Electric	GMSG-598	10/22/07	3:32 PM	30.01	51	0	--	--	--	0
VanErt Electric	GMSG-598	01/07/08	10:43 AM	29.80	34	0	--	--	--	0
VanErt Electric	GMSG-598	04/28/08	10:24 AM	30.06	35	0	--	--	--	0
VanErt Electric	GMSG-598	07/14/08	12:40 PM	29.88	74	0	--	--	--	22
VanErt Electric	GMSG-598	07/14/08	12:45 PM	29.88	74	0	0.6	10.5	0.5	17
VanErt Electric	GMSG-598	07/15/08	8:33 AM	29.87	70	0	0.7	11.4	0.4	21
VanErt Electric	GMSG-598	07/16/08	2:11 PM	30.09	79	0	1	10.2	0.4	28
VanErt Electric	GMSG-598	07/18/08	8:19 AM	29.93	68	0	1.2	9.6	1.1	--
VanErt Electric	GMSG-598	07/23/08	2:10 PM	30.15	80	0	0.6	10.3	0.2	--
VanErt Electric	GMSG-598	07/28/08	9:43 AM	29.95	71	0	0.9	11.5	0	--
VanErt Electric	GMSG-598	08/07/08	9:19 AM	30.01	70	0	2	14.3	0	--
VanErt Electric	GMSG-598	08/11/08	8:16 AM	30.11	60	0	2.6	14.7	0.1	--
VanErt Electric	GMSG-598	08/18/08	9:03 AM	29.86	79	0	2.3	14.6	0	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
VanErt Electric	GMSG-598	08/29/08	12:34 PM	29.97	75	0	3	15.7	0	--
VanErt Electric	GMSG-598	09/02/08	1:52 PM	29.94	91	0	2.7	17	0	--
VanErt Electric	GMSG-598	09/08/08	9:30 AM	30.13	54	0	3.2	15.4	0	--
VanErt Electric	GMSG-598	09/16/08	9:37 AM	30.03	65	0	1.1	7.4	0	--
VanErt Electric	GMSG-598	10/22/08	2:00 PM	30.44	48	0	2.9	11.5	0	--
VanErt Electric	GMSG-598	11/24/08	1:17 PM	29.78	33	0	0	0	6.3	--
VanErt Electric	GMSG-598	12/30/08	9:36 AM	29.98	12	0	0	0	6.5	--
VanErt Electric	GMSG-598	01/22/09	12:58 PM	28.54	23	0	--	--	--	0
VanErt Electric	GMSG-598	04/21/09	9:20 AM	28.19	34	T	--	--	--	0
VanErt Electric	GMSG-598	07/28/09	9:50 AM	28.00	49	T	--	--	--	58
VanErt Electric	GMSG-598	07/28/09	3:30 PM	28.23	47	0	2.6	12.9	0.9	--
VanErt Electric	GMSG-598	07/29/09	11:40 AM	28.06	51	T	2.1	13.2	0.6	--
VanErt Electric	GMSG-598	07/30/09	12:30 PM	28.09	51	T	--	--	--	45
VanErt Electric	GMSG-598	08/03/09	2:55 PM	28.18	49	0	2.9	9.9	2.2	--
VanErt Electric	GMSG-598	08/14/09	2:39 PM	28.18	49	0	4	11.5	0.6	--
VanErt Electric	GMSG-598	08/28/09	2:35 PM	28.18	49	0	4.5	10.2	0.7	--
VanErt Electric	GMSG-598	09/03/09	1:40 PM	28.13	50	0	2.9	11.8	0.9	--
VanErt Electric	GMSG-598	09/11/09	1:33 PM	28.13	50	0	1.2	12.6	0.6	--
VanErt Electric	GMSG-598	09/18/09	1:37 PM	28.13	50	0	2.2	18.4	0.3	--
VanErt Electric	GMSG-598	10/05/09	11:08 AM	28.75	52	0	4.8	8.9	2.4	--
VanErt Electric	GMSG-598	10/20/09	2:26 PM	28.82	47	0	--	--	--	83
VanErt Electric	GMSG-598	10/30/09	1:00 PM	28.00	60	0	3.8	4.9	0.4	76
VanErt Electric	GMSG-598	11/11/09	3:00 PM	29.06	49	0	--	--	--	68
VanErt Electric	GMSG-598	12/01/09	1:45 PM	28.44	37	0	2.6	11.9	0.3	76
VanErt Electric	GMSG-598	12/16/09	2:28 PM	29.09	10	0	1.6	11.4	0.4	32
VanErt Electric	GMSG-598	12/23/09	12:03 PM	29.11	18	0	1.2	11.9	0.5	24
VanErt Electric	GMSG-598	12/31/09	10:10 AM	28.50	20	0	1	5	3.9	20
VanErt Electric	GMSG-598	01/18/10	1:57 PM	28.57	33	0	1.6	8.2	0.9	32
VanErt Electric	GMSG-598	01/28/10	12:00 PM	28.99	3	T	0	3.8	4.6	0
VanErt Electric	GMSG-598	02/03/10	1:25 PM	28.95	21	0	--	--	--	0
VanErt Electric	GMSG-598	02/05/10	12:33 PM	28.92	29	0	0	2.6	9.6	0
VanErt Electric	GMSG-598	02/19/10	11:50 AM	28.81	33	0	0.4	10.2	0	8
VanErt Electric	GMSG-598	03/15/10	12:40 PM	28.90	61	0	0.2	6.3	9.3	4
VanErt Electric	GMSG-598	04/05/10	1:27 PM	28.61	64	0	0	5.6	4.8	0
VanErt Electric	GMSG-598	04/27/10	10:00 AM	28.67	49	0	--	--	--	6
VanErt Electric	GMSG-598	07/22/10	11:52 AM	28.67	69	0	--	--	--	67

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
VanErt Electric	GMSG-598	07/22/10	1:05 PM	28.66	70	0	3.6	12.8	2.1	--
VanErt Electric	GMSG-598	07/23/10	11:15 AM	28.51	73	0	--	--	--	80
VanErt Electric	GMSG-598	07/26/10	12:10 PM	28.85	83	0	--	--	--	54
VanErt Electric	GMSG-598	07/27/10	7:40 AM	28.73	76	0	--	--	--	23
VanErt Electric	GMSG-598	07/28/10	9:15 AM	28.63	73	0	--	--	--	56
VanErt Electric	GMSG-598	08/04/10	9:21 AM	28.61	75	0	0.3	1.1	17.3	--
VanErt Electric	GMSG-598	08/06/10	4:20 PM	28.65	73	0	--	--	--	0
VanErt Electric	GMSG-598	08/10/10	8:30 AM	28.76	81	0	--	--	--	8
VanErt Electric	GMSG-598	08/20/10	2:10 PM	28.51	70	0	2.6	14.6	4	--
VanErt Electric	GMSG-598	09/02/10	1:59 PM	28.52	66	0	--	--	--	0
VanErt Electric	GMSG-598	09/21/10	9:00 AM	28.43	69	T	2	12.1	4.8	--
VanErt Electric	GMSG-598	10/18/10	10:15 AM	28.78	48	0	2.9	14.8	6.3	58
VanErt Electric	GMSG-598	11/08/10	1:24 PM	28.66	54	0	--	--	--	89
VanErt Electric	GMSG-598	12/08/10	9:30 AM	28.90	16	0	--	--	--	39
VanErt Electric	GMSG-598	01/28/11	12:00 PM	28.60	17	T	--	--	--	0
VanErt Electric	GMSG-598	05/06/11	12:25 PM	28.51	49	0	--	--	--	0
VanErt Electric	GMSG-598	07/09/11	10:58 AM	28.64	73	0	--	--	--	0
VanErt Electric	GMSG-598	10/18/11	1:18 PM	28.60	48	0	--	--	--	60
VanErt Electric	GMSG-598	11/17/11	12:00 PM	28.70	29	0	0.9	13.2	2.9	18
VanErt Electric	GMSG-598	12/19/11	2:42 PM	28.79	30	0	1.6	7.3	2.9	32
VanErt Electric	GMSG-598	01/25/12	2:22 PM	28.85	42	0	--	--	--	55
VanErt Electric	GMSG-598	02/17/12	11:15 AM	28.71	33	0	1.1	5.8	3.4	--
VanErt Electric	GMSG-598	03/22/12	1:10 PM	28.92	54	0	1.5	8.2	1.5	--
VanErt Electric	GMSG-598	04/30/12	1:20 PM	28.64	47	0	0.8	10.9	2.5	--
VanErt Electric	GMSG-598	05/08/12	3:18 PM	28.55	52	0.01	2.1	12.3	0	--
VanErt Electric	GMSG-598	06/21/12	2:29 PM	28.58	76	0	3.5	14	0	--
VanErt Electric	GMSG-598	08/16/12	2:10 PM	28.47	72	0	--	--	--	12
VanErt Electric	GMSG-598	10/29/12	12:29 PM	29.04	46	0	--	--	--	15
VanErt Electric	GMSG-598	01/09/13	11:04 AM	28.61	35	0	2.5	8.2	2.9	--
VanErt Electric	GMSG-598	02/15/13	10:20 AM	28.78	15	0	2.3	9.9	1.2	--
VanErt Electric	GMSG-598	03/15/13	11:08 AM	28.65	29	0	2.1	10.8	0.7	--
VanErt Electric	GMSG-598	04/11/13	2:15 PM	28.61	34	0	1.4	4.2	3.9	--
VanErt Electric	GMSG-598	05/28/13	3:00 PM	28.53	56	0	1.7	10.7	0.6	--
VanErt Electric	GMSG-598	06/20/13	1:15 PM	28.83	79	0	0.1	0.2	19.8	--
VanErt Electric	GMSG-598	06/26/13	1:15 PM	28.49	82	0	0	0.2	19.8	--
VanErt Electric	GMSG-598	07/11/13	8:15 AM	28.86	67	0	0	0.2	19.9	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
VanErt Electric	GMSG-598	07/11/13	8:40 AM	28.86	70	0	0	0.3	19.8	--
VanErt Electric	GMSG-598	07/26/13	2:32 PM	28.57	69	0	0	0.3	19.8	--
VanErt Electric	GMSG-598	08/29/13	12:39 PM	28.76	87	0	0	0.1	20.3	--
VanErt Electric	GMSG-598	09/25/13	2:15 PM	28.74	67	0	0	0.2	20.1	--
VanErt Electric	GMSG-598	11/11/13	3:50 PM	29.01	24	T	--	--	--	0
VanErt Electric	GMSG-598	12/23/13	1:40 PM	28.95	17	T	0	0.2	19.8	0
VanErt Electric	GMSG-598	01/30/14	1:22 PM	28.21	22	0.01	0	0.1	20.2	0
VanErt Electric	GMSG-598	02/27/14	1:41 PM	28.74	-1	0	0	0	21.9	--
VanErt Electric	GMSG-598	03/18/14	2:09 PM	28.61	32	0	0	0.1	20.9	--
VanErt Electric	GMSG-598	04/23/14	9:53 AM	28.89	44	0	0	2.6	4.9	--
VanErt Electric	GMSG-598	05/28/14	11:00 AM	28.85	71	0	0	1.1	18.6	--
VanErt Electric	GMSG-598	06/27/14	11:53 AM	28.79	66	0.04	0	2.2	17.5	--
VanErt Electric	GMSG-598	08/14/14	4:16 PM	28.79	74	0	0.2	0.3	18.7	4
VanErt Electric	GMSG-598	09/18/14	3:12 PM	28.87	57	0	0	0.4	18.9	0
VanErt Electric	GMSG-598	10/30/14	2:20 PM	28.71	44	T	0.3	0.8	12.4	--
VanErt Electric	GMSG-598	11/25/14	2:42 PM	28.71	24	0	0	0	20.4	--
VanErt Electric	GMSG-598	12/16/14	2:41 PM	28.60	28	T	0	0.1	20.2	--
VanErt Electric	GMSG-598	01/22/15	1:57 PM	28.97	31	0	0	0	20.8	--
VanErt Electric	GMSG-598	02/19/15	3:00 PM	28.93	2	0	0	0	20.1	--
VanErt Electric	GMSG-598	04/23/15	1:22 PM	28.67	47	0	0	1.5	16.6	--
VanErt Electric	GMSG-598	08/07/15	10:59 AM	28.64	62	T	--	--	--	0
VanErt Electric	GMSG-599	07/05/06	1:03 PM	28.92	72	T	0	--	--	4
VanErt Electric	GMSG-599	07/05/06	1:28 PM	28.92	72	T	0	7.8	11.9	--
VanErt Electric	GMSG-599	07/14/06	2:49 PM	28.67	85	0	--	--	--	0
VanErt Electric	GMSG-599	07/21/06	11:54 AM	28.91	72	0	--	--	--	0
VanErt Electric	GMSG-599	07/28/06	10:12 AM	28.69	80	T	--	--	--	0
VanErt Electric	GMSG-599	08/11/06	12:19 PM	28.96	70	0	--	--	--	0
VanErt Electric	GMSG-599	09/19/06	2:07 PM	28.58	53	T	--	--	--	0
VanErt Electric	GMSG-599	10/16/06	1:15 PM	28.63	46	0.09	--	--	--	0
VanErt Electric	GMSG-599	02/07/07	3:53 PM	28.79	15	0	--	--	--	0
VanErt Electric	GMSG-599	04/02/07	1:17 PM	28.66	45	0	--	--	--	0
VanErt Electric	GMSG-599	07/20/07	9:30 AM	30.24	67	0	--	--	--	0
VanErt Electric	GMSG-599	10/22/07	3:28 PM	30.01	52	0	--	--	--	0
VanErt Electric	GMSG-599	01/07/08	10:47 AM	29.80	34	0	--	--	--	0
VanErt Electric	GMSG-599	04/28/08	10:26 AM	30.06	35	0	--	--	--	0
VanErt Electric	GMSG-599	07/14/08	10:31 AM	29.88	70	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
VanErt Electric	GMSG-599	07/28/09	9:48 AM	28.44	71	0	--	--	--	0
VanErt Electric	GMSG-599	10/20/09	2:30 PM	28.83	49	0	--	--	--	0
VanErt Electric	GMSG-599	04/27/10	10:05 AM	28.67	49	0	--	--	--	0
VanErt Electric	GMSG-599	12/12/12	3:05 PM	28.79	27	0	--	--	--	0
VanErt Electric	GMSG-599	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
VanErt Electric	GMSG-599	08/12/14	2:05 PM	28.61	71	0	--	--	--	0
VanErt Electric	GMSG-599	08/07/15	10:12 AM	28.65	60	T	--	--	--	0
Waltco	GMSG-48	08/01/01	8:33 AM	28.92	74	T	0	0	19.9	--
Waltco	GMSG-48	08/09/01	2:57 PM	28.57	83	0	0	0	20.6	--
Waltco	GMSG-48	09/11/01	4:44 PM	28.93	62	0	0	0.5	19.7	--
Waltco	GMSG-48	09/24/01	2:41 PM	29.08	49	0	0	0.4	19.8	--
Waltco	GMSG-48	10/21/01	9:13 AM	28.81	42	0	0	0	19.3	--
Waltco	GMSG-48	11/13/01	8:32 AM	28.81	41	0.01	0	1.3	18.2	--
Waltco	GMSG-48	02/13/02	8:30 AM	28.94	11	0	0	0	20.3	--
Waltco	GMSG-48	06/26/02	10:09 AM	28.61	77	0	0	0	21	--
Waltco	GMSG-48	09/27/02	1:37 PM	28.70	63	0	0	0.5	20	0
Waltco	GMSG-48	11/20/02	12:38 PM	28.70	35	T	0	0	19.9	0
Waltco	GMSG-48	01/29/03	1:53 PM	29.06	16	0	0	0	19.6	0
Waltco	GMSG-48	04/22/03	11:45 AM	28.86	48	0	0	0	20	0
Waltco	GMSG-48	07/21/03	1:14 PM	28.59	66	0.01	0	0	19.5	0
Waltco	GMSG-48	10/28/03	10:34 AM	28.11	42	T	0	3.3	14.5	0
Waltco	GMSG-48	10/30/03	1:58 PM	28.60	44	T	--	--	--	--
Waltco	GMSG-48	11/12/03	9:30 AM	28.35	38	T	--	--	--	--
Waltco	GMSG-48	11/24/03	2:29 PM	28.33	17	T	--	--	--	--
Waltco	GMSG-48	12/08/03	11:07 AM	28.66	37	0	--	--	--	--
Waltco	GMSG-48	12/15/03	1:25 PM	28.52	25	0	--	--	--	--
Waltco	GMSG-48	01/20/04	9:12 AM	29.06	-3	0	0	0	18.7	0
Waltco	GMSG-48	04/17/04	1:29 AM	28.73	48	0	0	0.4	17.5	0
Waltco	GMSG-48	07/13/04	10:00 AM	28.59	73	0	0	0	19.7	0
Waltco	GMSG-48	10/25/04	2:48 PM	28.85	55	0	0	0.7	19.5	0
Waltco	GMSG-48	02/07/05	8:38 AM	28.89	28	T	--	--	--	0
Waltco	GMSG-48	04/01/05	3:35 PM	28.74	46	T	--	--	--	0
Waltco	GMSG-48	07/05/05	11:07 AM	28.88	62	0	--	--	--	0
Waltco	GMSG-48	10/10/05	3:40 PM	28.96	63	0	--	--	--	0
Waltco	GMSG-48	02/24/06	9:59 AM	29.01	10	0	--	--	--	0
Waltco	GMSG-48	04/11/06	1:40 PM	28.56	73	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Waltco	GMSG-48	07/05/06	3:18 PM	28.91	75	0	--	--	--	0
Waltco	GMSG-48	10/16/06	1:05 PM	28.63	46	0.09	--	--	--	0
Waltco	GMSG-48	02/06/07	4:10 PM	28.81	9	0	--	--	--	0
Waltco	GMSG-48	04/02/07	1:32 PM	28.67	45	0	--	--	--	0
Waltco	GMSG-48	07/20/07	9:43 AM	30.24	67	0	--	--	--	0
Waltco	GMSG-48	10/22/07	3:40 PM	30.01	51	0	--	--	--	0
Waltco	GMSG-48	01/07/08	11:06 AM	29.80	34	0	--	--	--	0
Waltco	GMSG-48	04/28/08	10:37 AM	30.07	35	0	--	--	--	0
Waltco	GMSG-48	07/14/08	10:41 AM	29.88	70	0	--	--	--	0
Waltco	GMSG-48	10/16/08	11:16 AM	30.27	50	0	--	--	--	0
Waltco	GMSG-48	04/21/09	8:15 AM	28.18	33	T	--	--	--	0
Waltco	GMSG-48	07/28/09	10:01 AM	28.44	71	0	--	--	--	0
Waltco	GMSG-48	10/20/09	2:12 PM	28.82	47	0	--	--	--	0
Waltco	GMSG-48	04/27/10	9:40 AM	28.67	49	0	--	--	--	0
Waltco	GMSG-48	07/22/10	1:27 PM	28.66	70	0	--	--	--	0
Waltco	GMSG-48	11/08/10	1:37 PM	28.64	58	0	--	--	--	0
Waltco	GMSG-48	07/09/11	10:24 AM	28.66	73	0	--	--	--	0
Waltco	GMSG-48	10/29/12	12:38 PM	29.02	47	0	--	--	--	0
Waltco	GMSG-48	11/10/13	3:20 PM	28.89	39	0	--	--	--	0
Waltco	GMSG-48	09/30/14	2:52 PM	28.77	57	0	--	--	--	0
Waltco	GMSG-48	08/03/15	11:59 AM	28.51	69	0	--	--	--	0
Waltco	GMSG-528	10/31/05	2:31 PM	28.73	51	0	--	--	--	--
Waltco	GMSG-528	10/31/05	2:50 PM	28.73	51	0	--	--	--	0
Waltco	GMSG-528	10/31/05	2:53 PM	28.73	51	0	--	--	--	--
Waltco	GMSG-528	11/04/05	1:05 PM	28.46	46	0	--	--	--	--
Waltco	GMSG-528	11/04/05	1:07 PM	28.46	46	0	--	--	--	--
Waltco	GMSG-528	11/08/05	11:24 AM	28.88	44	0	--	--	--	--
Waltco	GMSG-528	11/08/05	11:28 AM	28.88	44	0	--	--	--	--
Waltco	GMSG-528	11/08/05	11:30 AM	28.86	45	0	--	--	--	0
Waltco	GMSG-528	11/14/05	3:09 PM	29.00	38	0	--	--	--	0
Waltco	GMSG-528	11/23/05	11:00 AM	28.00	26	0.02	--	--	--	0
Waltco	GMSG-528	12/07/05	10:09 AM	29.26	21	0	--	--	--	0
Waltco	GMSG-528	02/24/06	9:51 AM	29.01	10	0	--	--	--	0
Waltco	GMSG-528	04/11/06	1:33 PM	28.56	73	0	--	--	--	0
Waltco	GMSG-528	07/05/06	3:35 PM	28.91	74	0	--	--	--	0
Waltco	GMSG-528	10/16/06	1:02 PM	28.63	46	0.09	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Waltco	GMSG-528	02/06/07	3:58 PM	28.81	9	0	--	--	--	0
Waltco	GMSG-528	04/02/07	1:25 PM	28.66	45	0	--	--	--	0
Waltco	GMSG-528	07/20/07	9:36 AM	30.24	67	0	--	--	--	0
Waltco	GMSG-528	10/22/07	3:47 PM	30.01	51	0	--	--	--	0
Waltco	GMSG-528	01/07/08	10:59 AM	29.80	34	0	--	--	--	0
Waltco	GMSG-528	04/28/08	10:34 AM	30.07	35	0	--	--	--	0
Waltco	GMSG-528	07/14/08	10:36 AM	29.88	70	0	--	--	--	0
Waltco	GMSG-528	10/16/08	11:21 AM	30.27	50	0	--	--	--	0
Waltco	GMSG-528	01/22/09	12:36 PM	28.54	23	0	--	--	--	0
Waltco	GMSG-528	04/21/09	8:18 AM	28.18	33	T	--	--	--	0
Waltco	GMSG-528	07/28/09	10:07 AM	28.44	71	0	--	--	--	0
Waltco	GMSG-528	10/20/09	2:17 PM	28.82	47	0	--	--	--	0
Waltco	GMSG-528	04/27/10	9:48 AM	28.67	49	0	--	--	--	0
Waltco	GMSG-528	07/22/10	1:32 PM	28.66	68	T	--	--	--	0
Waltco	GMSG-528	11/08/10	1:30 PM	28.64	58	0	--	--	--	0
Waltco	GMSG-528	07/09/11	10:18 AM	28.66	73	0	--	--	--	0
Waltco	GMSG-528	10/29/12	12:32 PM	29.02	47	0	--	--	--	0
Waltco	GMSG-528	11/10/13	3:20 PM	28.89	39	0	--	--	--	0
Waltco	GMSG-528	12/30/14	3:01 PM	29.18	7	0	--	--	--	0
Waltco	GMSG-528	08/03/15	11:52 AM	28.51	69	0	--	--	--	0
Waltco	GMSG-529	10/31/05	2:40 PM	28.73	51	0	--	--	--	0
Waltco	GMSG-529	11/08/05	11:20 AM	28.88	44	0	--	--	--	0
Waltco	GMSG-529	11/14/05	3:12 PM	29.00	38	0	--	--	--	0
Waltco	GMSG-529	11/23/05	11:06 AM	28.00	26	0.02	--	--	--	0
Waltco	GMSG-529	12/07/05	10:12 AM	29.26	21	0	--	--	--	0
Waltco	GMSG-529	02/24/06	9:56 AM	29.01	10	0	--	--	--	0
Waltco	GMSG-529	04/11/06	1:37 PM	28.56	73	0	--	--	--	0
Waltco	GMSG-529	07/05/06	3:28 PM	28.91	75	0	--	--	--	0
Waltco	GMSG-529	10/16/06	12:58 PM	28.63	46	0.09	--	--	--	0
Waltco	GMSG-529	02/07/07	1:12 PM	28.83	13	0	--	--	--	0
Waltco	GMSG-529	04/02/07	1:29 PM	28.66	45	0	--	--	--	0
Waltco	GMSG-529	07/20/07	9:33 AM	30.24	67	0	--	--	--	0
Waltco	GMSG-529	10/22/07	3:43 PM	30.01	51	0	--	--	--	0
Waltco	GMSG-529	01/07/08	11:02 AM	29.80	34	0	--	--	--	0
Waltco	GMSG-529	04/28/08	10:36 AM	30.07	35	0	--	--	--	0
Waltco	GMSG-529	07/14/08	10:34 AM	29.88	70	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Waltco	GMSG-529	10/16/08	11:23 AM	30.27	50	0	--	--	--	0
Waltco	GMSG-529	04/21/09	8:22 AM	28.18	33	T	--	--	--	0
Waltco	GMSG-529	07/28/09	10:04 AM	28.44	71	0	--	--	--	0
Waltco	GMSG-529	10/20/09	2:19 PM	28.82	47	0	--	--	--	0
Waltco	GMSG-529	04/27/10	9:53 AM	28.67	49	0	--	--	--	0
Waltco	GMSG-529	07/22/10	1:34 PM	28.66	68	T	--	--	--	0
Waltco	GMSG-529	11/08/10	1:28 PM	28.66	54	0	--	--	--	0
Waltco	GMSG-529	07/09/11	10:21 AM	28.66	73	0	--	--	--	0
Waltco	GMSG-529	10/29/12	12:34 PM	29.02	47	0	--	--	--	0
Waltco	GMSG-529	11/10/13	3:20 PM	28.89	39	0	--	--	--	0
Waltco	GMSG-529	08/12/14	2:58 PM	28.61	71	0	--	--	--	0
Waltco	GMSG-529	08/03/15	11:55 AM	28.51	69	0	--	--	--	0
Waltco	GMSG-530	10/31/05	2:25 PM	28.73	51	0	--	--	--	--
Waltco	GMSG-530	10/31/05	2:44 PM	28.73	51	0	--	--	--	--
Waltco	GMSG-530	10/31/05	2:45 PM	28.73	51	0	--	--	--	0
Waltco	GMSG-530	11/04/05	1:15 PM	28.46	46	0	--	--	--	--
Waltco	GMSG-530	11/04/05	1:20 PM	28.46	46	0	--	--	--	--
Waltco	GMSG-530	11/08/05	11:10 AM	28.88	44	0	--	--	--	--
Waltco	GMSG-530	11/08/05	11:14 AM	28.88	44	0	--	--	--	--
Waltco	GMSG-530	11/08/05	11:15 AM	28.88	44	0	--	--	--	0
Waltco	GMSG-530	11/14/05	3:06 PM	29.00	38	0	--	--	--	0
Waltco	GMSG-530	11/23/05	11:10 AM	28.00	26	0.02	--	--	--	0
Waltco	GMSG-530	12/07/05	10:05 AM	29.26	21	0	--	--	--	0
Waltco	GMSG-530	03/06/06	1:06 PM	29.00	34	0	--	--	--	0
Waltco	GMSG-530	04/11/06	1:30 PM	28.56	73	0	--	--	--	0
Waltco	GMSG-530	07/05/06	3:42 PM	28.91	74	0	--	--	--	0
Waltco	GMSG-530	10/16/06	1:01 PM	28.63	46	0.09	--	--	--	0
Waltco	GMSG-530	02/07/07	11:00 AM	28.86	8	0	--	--	--	0
Waltco	GMSG-530	04/02/07	1:23 PM	28.66	45	0	--	--	--	0
Waltco	GMSG-530	07/20/07	9:40 AM	30.24	67	0	--	--	--	0
Waltco	GMSG-530	10/22/07	3:51 PM	30.01	51	0	--	--	--	0
Waltco	GMSG-530	01/07/08	10:57 AM	29.80	34	0	--	--	--	0
Waltco	GMSG-530	04/28/08	10:32 AM	30.07	35	0	--	--	--	0
Waltco	GMSG-530	07/14/08	10:38 AM	29.88	70	0	--	--	--	0
Waltco	GMSG-530	10/16/08	11:18 AM	30.27	50	0	--	--	--	0
Waltco	GMSG-530	04/21/09	8:28 AM	28.18	33	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Waltco	GMSG-530	07/28/09	10:10 AM	28.44	71	0	--	--	--	0
Waltco	GMSG-530	10/20/09	2:14 PM	28.82	47	0	--	--	--	0
Waltco	GMSG-530	04/27/10	9:43 AM	28.67	49	0	--	--	--	0
Waltco	GMSG-530	07/22/10	1:05 PM	28.66	70	0	--	--	--	0
Waltco	GMSG-530	07/22/10	1:28 PM	28.66	70	0	--	--	--	0
Waltco	GMSG-530	07/23/10	10:50 AM	28.51	73	0	--	--	--	0
Waltco	GMSG-530	07/26/10	12:01 PM	28.85	83	0	--	--	--	0
Waltco	GMSG-530	07/27/10	7:35 AM	28.73	76	0	--	--	--	0
Waltco	GMSG-530	07/28/10	9:05 AM	28.63	73	0	--	--	--	0
Waltco	GMSG-530	08/04/10	9:29 AM	28.61	75	0	0	15.9	2.9	--
Waltco	GMSG-530	11/08/10	1:31 PM	28.64	58	0	--	--	--	0
Waltco	GMSG-530	07/09/11	10:15 AM	28.66	73	0	--	--	--	0
Waltco	GMSG-530	10/29/12	12:28 PM	29.04	46	0	--	--	--	0
Waltco	GMSG-530	11/10/13	3:20 PM	28.89	39	0	--	--	--	0
Waltco	GMSG-530	08/12/14	3:05 PM	28.61	71	0	--	--	--	0
Waltco	GMSG-530	08/03/15	11:48 AM	28.51	69	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	09/11/02	10:53 AM	28.90	72	0	0	2.1	18.7	0
Werner Electric Supply Company	GMSG-90	09/17/02	8:35 AM	28.81	66	0	0	1.7	19.1	0
Werner Electric Supply Company	GMSG-90	10/29/02	10:46 AM	28.99	39	0	0	2.2	18.3	0
Werner Electric Supply Company	GMSG-90	11/19/02	2:03 PM	28.54	47	0	0	2.5	17.4	0
Werner Electric Supply Company	GMSG-90	12/10/02	1:17 PM	28.74	44	0	0	2.5	17.9	0
Werner Electric Supply Company	GMSG-90	01/29/03	1:03 PM	29.08	15	T	0	2.3	17.1	0
Werner Electric Supply Company	GMSG-90	04/22/03	11:21 AM	28.86	45	0	0	2.5	17.3	0
Werner Electric Supply Company	GMSG-90	08/05/03	10:42 AM	28.72	79	0	0	2.5	16.8	0
Werner Electric Supply Company	GMSG-90	11/01/03	2:55 PM	29.05	39	0	0	2.1	17.5	0
Werner Electric Supply Company	GMSG-90	02/02/04	9:58 AM	28.95	25	0	0	1.4	17.9	0
Werner Electric Supply Company	GMSG-90	04/18/04	9:25 AM	28.70	45	0	0	2.4	15.7	0
Werner Electric Supply Company	GMSG-90	07/14/04	5:34 PM	28.67	74	0	0	2.1	17.1	--
Werner Electric Supply Company	GMSG-90	10/31/04	11:33 AM	--	--	--	0	1.4	18.3	0
Werner Electric Supply Company	GMSG-90	02/10/05	2:37 PM	28.84	31	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	04/05/05	11:46 AM	28.57	69	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	07/06/05	9:17 AM	28.96	65	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	10/21/05	9:10 AM	28.91	35	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	02/24/06	2:25 PM	28.88	20	T	--	--	--	0
Werner Electric Supply Company	GMSG-90	04/11/06	9:11 AM	28.68	59	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	07/11/06	1:55 PM	28.79	75	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Werner Electric Supply Company	GMSG-90	10/10/06	3:53 PM	28.71	51	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	02/05/07	10:40 AM	29.10	1	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	04/03/07	3:23 PM	28.54	37	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	07/19/07	10:30 AM	29.99	67	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	10/23/07	3:30 PM	29.69	52	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	01/14/08	12:20 PM	29.92	24	T	--	--	--	0
Werner Electric Supply Company	GMSG-90	04/15/08	11:30 AM	29.93	52	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	07/14/08	1:29 PM	29.88	74	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	10/16/08	2:29 PM	30.25	54	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	01/22/09	9:00 AM	28.56	20	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	04/03/09	11:21 AM	28.40	40	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	07/27/09	2:39 PM	28.48	80	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	10/22/09	1:07 PM	28.86	41	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	04/22/10	10:25 AM	28.64	44	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	11/05/10	3:16 PM	28.75	35	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	07/08/11	4:47 PM	28.64	79	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	10/24/12	2:39 PM	28.57	60	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	11/08/13	9:29 AM	28.91	32	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	08/15/14	10:13 AM	28.73	71	0	--	--	--	0
Werner Electric Supply Company	GMSG-90	08/03/15	11:21 AM	28.50	73	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	09/11/02	10:39 AM	28.90	72	0	0	1.7	19.3	0
Werner Electric Supply Company	GMSG-91	09/17/02	8:25 AM	28.82	59	0	0	2.2	19.1	0
Werner Electric Supply Company	GMSG-91	10/29/02	10:53 AM	28.99	39	0	0	2.4	18.1	0
Werner Electric Supply Company	GMSG-91	11/19/02	2:10 PM	28.54	47	0	0	1.9	18.5	0
Werner Electric Supply Company	GMSG-91	12/10/02	1:23 PM	28.74	44	0	0	2.2	18.8	0
Werner Electric Supply Company	GMSG-91	01/29/03	1:17 PM	29.08	15	T	0	1.8	18.3	0
Werner Electric Supply Company	GMSG-91	04/22/03	11:26 AM	28.86	45	0	0	0.3	19.7	0
Werner Electric Supply Company	GMSG-91	08/05/03	10:47 AM	28.72	79	0	0	1.4	17.9	0
Werner Electric Supply Company	GMSG-91	11/01/03	3:15 PM	29.05	39	0	0	1.2	18.4	0
Werner Electric Supply Company	GMSG-91	01/21/04	8:05 AM	28.48	11	T	0	1.8	17.8	0
Werner Electric Supply Company	GMSG-91	04/18/04	9:33 AM	28.57	45	T	0	1.4	16.6	0
Werner Electric Supply Company	GMSG-91	07/14/04	5:48 PM	28.67	74	0	0	0	19.3	0
Werner Electric Supply Company	GMSG-91	10/31/04	11:38 AM	--	--	--	0	0.9	19.4	0
Werner Electric Supply Company	GMSG-91	02/10/05	2:45 PM	28.84	31	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	04/05/05	11:50 AM	28.57	69	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	07/06/05	9:21 AM	28.96	65	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Werner Electric Supply Company	GMSG-91	10/21/05	9:15 AM	28.91	35	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	02/24/06	2:40 PM	28.83	18	0.01	--	--	--	0
Werner Electric Supply Company	GMSG-91	04/11/06	9:02 AM	28.68	59	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	07/11/06	2:04 PM	28.79	75	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	10/10/06	3:59 PM	28.71	51	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	02/05/07	11:15 AM	29.10	1	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	04/03/07	3:29 PM	28.54	37	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	07/19/07	10:35 AM	29.99	67	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	10/23/07	3:36 PM	29.69	52	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	01/14/08	12:25 PM	29.92	24	T	--	--	--	0
Werner Electric Supply Company	GMSG-91	04/15/08	11:36 AM	29.93	52	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	07/14/08	1:24 PM	29.88	74	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	10/16/08	2:34 PM	30.25	54	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	01/22/09	8:50 AM	28.56	20	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	04/03/09	11:25 AM	28.40	40	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	07/27/09	2:45 PM	28.48	80	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	10/22/09	1:11 PM	28.86	41	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	04/22/10	10:29 AM	28.64	44	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	11/05/10	3:21 PM	28.75	35	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	07/08/11	4:37 PM	28.64	79	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	10/24/12	2:44 PM	28.57	60	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	11/08/13	9:40 AM	28.91	37	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	08/15/14	10:05 AM	28.73	71	0	--	--	--	0
Werner Electric Supply Company	GMSG-91	08/03/15	11:27 AM	28.50	73	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	07/22/05	2:10 PM	28.93	84	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	07/25/05	8:48 AM	28.75	80	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	08/01/05	10:15 AM	28.87	81	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	09/12/05	11:35 AM	28.74	88	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	10/13/05	12:17 PM	28.81	61	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	11/11/05	3:13 PM	28.63	54	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	02/24/06	2:20 PM	28.88	20	T	--	--	--	0
Werner Electric Supply Company	GMSG-476	04/11/06	8:59 AM	28.68	59	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	07/11/06	2:10 PM	28.79	75	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	10/10/06	4:03 PM	28.71	51	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	02/08/07	3:58 PM	28.77	17	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	04/03/07	3:20 PM	28.54	37	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Werner Electric Supply Company	GMSG-476	07/19/07	10:27 AM	29.98	65	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	10/23/07	3:26 PM	29.70	52	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	01/14/08	12:15 PM	29.92	24	T	--	--	--	0
Werner Electric Supply Company	GMSG-476	04/15/08	11:28 AM	29.96	50	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	07/14/08	1:26 PM	29.88	74	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	10/16/08	2:26 PM	30.25	54	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	04/03/09	11:20 AM	28.40	40	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	10/22/09	1:13 PM	28.86	41	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	04/30/10	10:58 AM	28.18	70	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	11/05/10	3:14 PM	28.75	35	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	07/08/11	4:34 PM	28.64	79	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	10/24/12	2:42 PM	28.57	60	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	11/09/13	1:20 PM	28.39	40	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	09/30/14	2:00 PM	28.79	57	0	--	--	--	0
Werner Electric Supply Company	GMSG-476	08/03/15	11:30 AM	28.51	69	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	07/22/05	2:05 PM	28.93	84	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	07/25/05	8:51 AM	28.75	80	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	08/01/05	10:18 AM	28.87	81	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	09/12/05	11:38 AM	28.74	88	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	10/13/05	12:24 PM	28.81	61	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	11/11/05	3:16 PM	28.63	54	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	02/24/06	2:30 PM	28.83	18	0.01	--	--	--	0
Werner Electric Supply Company	GMSG-477	04/11/06	9:04 AM	28.68	59	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	07/11/06	2:00 PM	28.79	75	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	10/10/06	3:56 PM	28.71	51	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	02/05/07	10:26 AM	29.08	-3	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	04/03/07	3:26 PM	28.54	37	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	07/19/07	10:33 AM	29.99	67	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	10/23/07	3:33 PM	29.69	52	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	01/14/08	12:22 PM	29.92	24	T	--	--	--	0
Werner Electric Supply Company	GMSG-477	04/15/08	11:33 AM	29.93	52	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	07/14/08	1:31 PM	29.89	76	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	10/16/08	2:32 PM	30.25	54	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	01/22/09	8:48 AM	28.56	20	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	04/03/09	11:23 AM	28.40	40	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	07/27/09	2:42 PM	28.48	80	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Werner Electric Supply Company	GMSG-477	10/22/09	1:09 PM	28.86	41	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	04/22/10	10:27 AM	28.64	44	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	11/05/10	3:18 PM	28.75	35	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	07/08/11	4:40 PM	28.64	79	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	10/24/12	2:46 PM	28.57	60	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	11/08/13	10:39 AM	28.89	39	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	08/15/14	10:08 AM	28.73	71	0	--	--	--	0
Werner Electric Supply Company	GMSG-477	08/03/15	11:24 AM	28.50	73	0	--	--	--	0
Whittock Supply	GMSG-615	08/04/06	2:50 PM	28.89	82	0	--	--	--	0
Whittock Supply	GMSG-615	08/11/06	8:03 AM	28.97	62	0	--	--	--	0
Whittock Supply	GMSG-615	08/18/06	10:43 AM	28.87	77	0	--	--	--	0
Whittock Supply	GMSG-615	09/19/06	1:32 PM	28.58	53	T	--	--	--	0
Whittock Supply	GMSG-615	10/10/06	2:54 PM	28.74	52	0	--	--	--	0
Whittock Supply	GMSG-615	11/15/06	2:19 PM	28.72	43	0	--	--	--	0
Whittock Supply	GMSG-615	02/05/07	10:12 AM	29.08	-3	0	--	--	--	0
Whittock Supply	GMSG-615	04/03/07	3:49 PM	28.52	37	0	--	--	--	0
Whittock Supply	GMSG-615	07/19/07	10:39 AM	29.99	67	0	--	--	--	0
Whittock Supply	GMSG-615	10/23/07	3:57 PM	29.69	52	0	--	--	--	0
Whittock Supply	GMSG-615	01/11/08	2:56 PM	29.59	34	0	--	--	--	0
Whittock Supply	GMSG-615	04/15/08	2:16 PM	29.87	55	0	--	--	--	0
Whittock Supply	GMSG-615	07/14/08	1:01 PM	29.88	74	0	--	--	--	0
Whittock Supply	GMSG-615	10/16/08	1:40 PM	30.25	54	0	--	--	--	0
Whittock Supply	GMSG-615	01/21/09	4:09 PM	28.49	20	0	--	--	--	0
Whittock Supply	GMSG-615	05/18/09	3:08 PM	28.75	68	0	--	--	--	0
Whittock Supply	GMSG-615	07/27/09	2:15 PM	28.49	81	0	--	--	--	0
Whittock Supply	GMSG-615	10/20/09	3:26 PM	28.83	49	0	--	--	--	0
Whittock Supply	GMSG-615	04/22/10	11:02 AM	28.63	48	0	--	--	--	0
Whittock Supply	GMSG-615	11/05/10	3:27 PM	28.75	35	0	--	--	--	0
Whittock Supply	GMSG-615	07/08/11	4:59 PM	28.64	79	0	--	--	--	0
Whittock Supply	GMSG-615	10/24/12	3:02 PM	28.57	60	0	--	--	--	0
Whittock Supply	GMSG-615	11/08/13	9:57 AM	28.91	37	0	--	--	--	0
Whittock Supply	GMSG-615	08/15/14	9:57 AM	28.73	71	0	--	--	--	0
Whittock Supply	GMSG-615	08/03/15	11:33 AM	28.51	69	0	--	--	--	0
Whittock Supply	GMSG-616	08/04/06	2:56 PM	28.89	82	0	--	--	--	0
Whittock Supply	GMSG-616	08/11/06	8:07 AM	28.97	62	0	--	--	--	0
Whittock Supply	GMSG-616	08/18/06	10:46 AM	28.87	77	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Whittock Supply	GMSG-616	09/19/06	1:35 PM	28.58	53	T	--	--	--	0
Whittock Supply	GMSG-616	10/10/06	2:51 PM	28.74	52	0	--	--	--	0
Whittock Supply	GMSG-616	11/15/06	2:22 PM	28.72	43	0	--	--	--	0
Whittock Supply	GMSG-616	02/05/07	10:20 AM	29.08	-3	0	--	--	--	0
Whittock Supply	GMSG-616	04/03/07	3:31 PM	28.52	37	0	--	--	--	0
Whittock Supply	GMSG-616	07/19/07	10:42 AM	29.99	67	0	--	--	--	0
Whittock Supply	GMSG-616	10/23/07	3:43 PM	29.69	52	0	--	--	--	0
Whittock Supply	GMSG-616	01/11/08	2:58 PM	29.59	34	0	--	--	--	0
Whittock Supply	GMSG-616	04/15/08	2:13 PM	29.87	55	0	--	--	--	0
Whittock Supply	GMSG-616	07/14/08	12:58 PM	29.88	74	0	--	--	--	0
Whittock Supply	GMSG-616	10/16/08	1:38 PM	30.25	54	0	--	--	--	0
Whittock Supply	GMSG-616	01/21/09	4:05 PM	28.49	20	0	--	--	--	0
Whittock Supply	GMSG-616	05/18/09	3:09 PM	28.75	68	0	--	--	--	0
Whittock Supply	GMSG-616	07/27/09	2:19 PM	28.49	81	0	--	--	--	0
Whittock Supply	GMSG-616	10/20/09	3:23 PM	28.83	49	0	--	--	--	0
Whittock Supply	GMSG-616	04/22/10	11:04 AM	28.63	48	0	--	--	--	0
Whittock Supply	GMSG-616	11/05/10	3:29 PM	28.75	35	0	--	--	--	0
Whittock Supply	GMSG-616	07/08/11	4:56 PM	28.64	79	0	--	--	--	0
Whittock Supply	GMSG-616	10/24/12	3:03 PM	28.57	60	0	--	--	--	0
Whittock Supply	GMSG-616	11/08/13	9:44 AM	28.91	37	0	--	--	--	0
Whittock Supply	GMSG-616	08/15/14	9:53 AM	28.73	71	0	--	--	--	0
Whittock Supply	GMSG-616	08/03/15	11:36 AM	28.51	69	0	--	--	--	0
Whittock Supply	GMSG-617	08/04/06	3:00 PM	28.89	82	0	--	--	--	0
Whittock Supply	GMSG-617	08/11/06	8:11 AM	28.97	62	0	--	--	--	0
Whittock Supply	GMSG-617	08/18/06	10:49 AM	28.87	77	0	--	--	--	0
Whittock Supply	GMSG-617	09/19/06	1:37 PM	28.58	53	T	--	--	--	0
Whittock Supply	GMSG-617	10/10/06	2:48 PM	28.74	52	0	--	--	--	0
Whittock Supply	GMSG-617	11/15/06	2:24 PM	28.72	43	0	--	--	--	0
Whittock Supply	GMSG-617	02/05/07	9:32 AM	29.08	-3	0	--	--	--	0
Whittock Supply	GMSG-617	04/03/07	3:34 PM	28.52	37	0	--	--	--	0
Whittock Supply	GMSG-617	07/19/07	10:44 AM	29.99	67	0	--	--	--	0
Whittock Supply	GMSG-617	10/23/07	3:47 PM	29.69	52	0	--	--	--	0
Whittock Supply	GMSG-617	01/11/08	3:01 PM	29.59	34	0	--	--	--	0
Whittock Supply	GMSG-617	04/15/08	2:10 PM	29.87	55	0	--	--	--	0
Whittock Supply	GMSG-617	07/14/08	12:57 PM	29.88	74	0	--	--	--	0
Whittock Supply	GMSG-617	10/16/08	1:36 PM	30.25	54	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Whittock Supply	GMSG-617	01/21/09	4:03 PM	28.49	20	0	--	--	--	0
Whittock Supply	GMSG-617	05/18/09	3:10 PM	28.75	68	0	--	--	--	0
Whittock Supply	GMSG-617	07/27/09	2:22 PM	28.49	81	0	--	--	--	0
Whittock Supply	GMSG-617	10/20/09	3:21 PM	28.83	49	0	--	--	--	0
Whittock Supply	GMSG-617	04/22/10	11:06 AM	28.63	48	0	--	--	--	0
Whittock Supply	GMSG-617	11/05/10	3:32 PM	28.77	34	0	--	--	--	0
Whittock Supply	GMSG-617	07/08/11	4:54 PM	28.64	79	0	--	--	--	0
Whittock Supply	GMSG-617	10/24/12	3:07 PM	28.57	60	0	--	--	--	0
Whittock Supply	GMSG-617	11/08/13	9:48 AM	28.91	37	0	--	--	--	0
Whittock Supply	GMSG-617	08/15/14	9:47 AM	28.73	71	0	--	--	--	0
Whittock Supply	GMSG-617	08/03/15	11:38 AM	28.51	69	0	--	--	--	0
Whittock Supply	GMSG-618	08/04/06	3:06 PM	28.89	82	0	--	--	--	0
Whittock Supply	GMSG-618	08/11/06	7:53 AM	28.97	62	0	--	--	--	0
Whittock Supply	GMSG-618	08/18/06	10:53 AM	28.87	77	0	--	--	--	0
Whittock Supply	GMSG-618	09/19/06	1:41 PM	28.58	53	T	--	--	--	0
Whittock Supply	GMSG-618	10/10/06	2:43 PM	28.74	52	0	--	--	--	0
Whittock Supply	GMSG-618	11/15/06	2:27 PM	28.72	43	0	--	--	--	0
Whittock Supply	GMSG-618	02/05/07	9:45 AM	29.08	-3	0	--	--	--	0
Whittock Supply	GMSG-618	04/03/07	3:37 PM	28.52	37	0	--	--	--	0
Whittock Supply	GMSG-618	07/19/07	10:48 AM	29.99	67	0	--	--	--	0
Whittock Supply	GMSG-618	10/23/07	3:50 PM	29.69	52	0	--	--	--	0
Whittock Supply	GMSG-618	01/11/08	2:51 PM	29.59	34	0	--	--	--	0
Whittock Supply	GMSG-618	04/15/08	2:07 PM	29.87	55	0	--	--	--	0
Whittock Supply	GMSG-618	07/14/08	12:55 PM	29.88	74	0	--	--	--	0
Whittock Supply	GMSG-618	10/16/08	1:33 PM	30.25	54	0	--	--	--	0
Whittock Supply	GMSG-618	01/21/09	3:58 PM	28.49	20	0	--	--	--	0
Whittock Supply	GMSG-618	05/18/09	3:05 PM	28.75	68	0	--	--	--	0
Whittock Supply	GMSG-618	07/27/09	2:25 PM	28.49	81	0	--	--	--	0
Whittock Supply	GMSG-618	10/20/09	3:18 PM	28.83	49	0	--	--	--	0
Whittock Supply	GMSG-618	04/22/10	10:58 AM	28.63	48	0	--	--	--	0
Whittock Supply	GMSG-618	11/05/10	3:34 PM	28.77	34	0	--	--	--	0
Whittock Supply	GMSG-618	07/08/11	4:52 PM	28.64	79	0	--	--	--	0
Whittock Supply	GMSG-618	10/24/12	3:09 PM	28.57	60	0	--	--	--	0
Whittock Supply	GMSG-618	11/08/13	9:51 AM	28.91	37	0	--	--	--	0
Whittock Supply	GMSG-618	08/15/14	9:44 AM	28.73	71	0	--	--	--	0
Whittock Supply	GMSG-618	08/03/15	11:41 AM	28.51	69	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Whittock Supply	GMSG-619	08/04/06	3:11 PM	28.89	82	0	--	--	--	0
Whittock Supply	GMSG-619	08/11/06	7:58 AM	28.97	62	0	--	--	--	0
Whittock Supply	GMSG-619	08/18/06	10:39 AM	28.87	77	0	--	--	--	0
Whittock Supply	GMSG-619	09/19/06	1:45 PM	28.58	53	T	--	--	--	0
Whittock Supply	GMSG-619	10/10/06	2:39 PM	28.74	52	0	--	--	--	0
Whittock Supply	GMSG-619	11/15/06	2:29 PM	28.72	43	0	--	--	--	0
Whittock Supply	GMSG-619	02/05/07	10:01 AM	29.08	-3	0	--	--	--	0
Whittock Supply	GMSG-619	04/03/07	3:42 PM	28.52	37	0	--	--	--	0
Whittock Supply	GMSG-619	07/19/07	10:52 AM	29.99	67	0	--	--	--	0
Whittock Supply	GMSG-619	10/23/07	3:54 PM	29.69	52	0	--	--	--	0
Whittock Supply	GMSG-619	01/11/08	2:54 PM	29.59	34	0	--	--	--	0
Whittock Supply	GMSG-619	04/15/08	2:19 PM	29.87	55	0	--	--	--	0
Whittock Supply	GMSG-619	07/14/08	12:53 PM	29.88	74	0	--	--	--	0
Whittock Supply	GMSG-619	10/16/08	1:32 PM	30.25	54	0	--	--	--	0
Whittock Supply	GMSG-619	01/21/09	3:55 PM	28.49	20	0	--	--	--	0
Whittock Supply	GMSG-619	05/18/09	3:06 PM	28.75	68	0	--	--	--	0
Whittock Supply	GMSG-619	07/27/09	2:28 PM	28.49	81	0	--	--	--	0
Whittock Supply	GMSG-619	10/20/09	3:16 PM	28.83	49	0	--	--	--	0
Whittock Supply	GMSG-619	04/22/10	11:00 AM	28.63	48	0	--	--	--	0
Whittock Supply	GMSG-619	11/05/10	3:25 PM	28.75	35	0	--	--	--	0
Whittock Supply	GMSG-619	07/08/11	4:50 PM	28.64	79	0	--	--	--	0
Whittock Supply	GMSG-619	10/24/12	3:11 PM	28.57	60	0	--	--	--	0
Whittock Supply	GMSG-619	11/08/13	9:52 AM	28.91	37	0	--	--	--	0
Whittock Supply	GMSG-619	08/15/14	9:40 AM	28.73	71	0	--	--	--	0
Whittock Supply	GMSG-619	08/03/15	11:45 AM	28.51	69	0	--	--	--	0
Woodland Elementary	GMSG-24	06/13/99	8:16 AM	28.83	64	0	0	0.7	18.7	--
Woodland Elementary	GMSG-24	06/16/99	8:22 AM	28.96	45	T	0	0.2	19.2	--
Woodland Elementary	GMSG-24	06/17/99	2:50 PM	28.97	67	0	0	0.6	19.1	--
Woodland Elementary	GMSG-24	06/18/99	10:45 AM	29.02	71	0	0	0.6	19.1	--
Woodland Elementary	GMSG-24	06/19/99	2:00 PM	29.00	73	0	0	0.7	19.2	--
Woodland Elementary	GMSG-24	06/20/99	2:00 PM	28.98	73	0	0	0.7	19.1	--
Woodland Elementary	GMSG-24	07/10/99	4:47 PM	28.91	73	0	0	0.9	18.8	--
Woodland Elementary	GMSG-24	07/23/99	5:47 PM	28.58	85	0	0	0.9	19	--
Woodland Elementary	GMSG-24	07/27/99	3:09 PM	28.71	81	0	0	0.8	18.4	--
Woodland Elementary	GMSG-24	08/07/99	3:20 PM	28.49	78	0	0	1	18.3	--
Woodland Elementary	GMSG-24	09/02/99	4:25 PM	28.78	83	0	--	--	--	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-24	09/14/99	5:53 PM	28.71	51	T	0	1.6	18.9	--
Woodland Elementary	GMSG-24	09/20/99	3:28 PM	28.89	49	T	0	1.5	18.6	--
Woodland Elementary	GMSG-24	09/29/99	5:04 PM	28.78	54	0	0	1.1	19.7	--
Woodland Elementary	GMSG-24	10/06/99	4:22 PM	29.00	46	0	0	1.3	19.8	--
Woodland Elementary	GMSG-24	10/26/99	4:10 PM	28.89	40	0	0	0.8	20.1	--
Woodland Elementary	GMSG-24	11/01/99	4:15 PM	28.47	53	0	0	0.7	19.7	--
Woodland Elementary	GMSG-24	11/05/99	4:09 PM	28.81	49	0	0	0.8	19.9	--
Woodland Elementary	GMSG-24	12/09/99	4:07 PM	28.73	35	0	0	1.5	18.7	--
Woodland Elementary	GMSG-24	02/18/00	4:25 PM	28.84	26	0	0	0	19.6	--
Woodland Elementary	GMSG-24	03/17/00	3:45 PM	29.13	30	0	0	0.2	19.8	--
Woodland Elementary	GMSG-24	04/03/00	4:24 PM	28.37	41	0	0	0.3	17.9	--
Woodland Elementary	GMSG-24	08/09/00	11:10 AM	28.69	66	0	0	1.2	19.8	--
Woodland Elementary	GMSG-24	08/19/00	1:10 PM	29.04	64	0	0	1.2	18.3	--
Woodland Elementary	GMSG-24	10/10/00	4:18 PM	28.80	66	0	0	1	19.7	--
Woodland Elementary	GMSG-24	04/09/01	4:40 PM	28.76	42	0	0	0.1	20.3	--
Woodland Elementary	GMSG-24	05/20/01	10:15 AM	28.64	73	0	0	0.5	18.3	--
Woodland Elementary	GMSG-24	07/20/01	10:20 AM	28.81	77	0	0	0.6	19.3	--
Woodland Elementary	GMSG-24	08/20/01	10:52 AM	28.86	76	0	0	1.1	19.1	--
Woodland Elementary	GMSG-24	09/09/01	10:00 AM	28.70	60	0	0	1.2	18.9	--
Woodland Elementary	GMSG-24	09/25/01	5:01 PM	28.85	54	0	0	1	19.5	--
Woodland Elementary	GMSG-24	10/06/01	12:25 PM	28.80	43	0	0	1	19.3	--
Woodland Elementary	GMSG-24	10/21/01	8:44 AM	28.81	42	0	0	0.9	18.3	--
Woodland Elementary	GMSG-24	11/13/01	4:00 PM	28.75	48	0	0	0.5	19.9	--
Woodland Elementary	GMSG-24	02/14/02	4:45 PM	28.44	42	0	0	0.2	20.1	--
Woodland Elementary	GMSG-24	06/26/02	8:47 AM	28.61	74	0	0	0.9	19.7	--
Woodland Elementary	GMSG-24	08/14/02	1:50 PM	28.58	76	0	0	1.2	19	--
Woodland Elementary	GMSG-24	09/28/02	9:20 AM	28.96	51	0	0	1.3	18.8	0
Woodland Elementary	GMSG-24	11/24/02	8:51 AM	28.84	25	0	0	0.5	20.4	0
Woodland Elementary	GMSG-24	02/03/03	10:05 AM	28.42	28	T	0	0.1	20.4	0
Woodland Elementary	GMSG-24	04/15/03	9:57 AM	28.51	64	0	0	0.2	19.6	0
Woodland Elementary	GMSG-24	08/04/03	8:48 AM	28.75	65	0	0	0.9	18.3	0
Woodland Elementary	GMSG-24	11/01/03	9:30 AM	29.11	35	0	0	0.7	18.7	0
Woodland Elementary	GMSG-24	01/22/04	10:15 AM	28.77	-9	0	0	0	18.7	0
Woodland Elementary	GMSG-24	04/09/04	10:30 AM	28.80	39	0	0	0	19.7	0
Woodland Elementary	GMSG-24R	07/12/04	6:10 PM	28.69	83	0	0	0.2	18.1	0
Woodland Elementary	GMSG-24R	10/17/04	1:40 PM	28.63	43	0	0	0.1	19.7	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-24R	02/16/05	7:25 AM	28.74	-2	0	--	--	--	0
Woodland Elementary	GMSG-24R	07/05/05	7:40 AM	28.83	60	0	--	--	--	0
Woodland Elementary	GMSG-24R	10/14/05	4:10 PM	28.61	66	T	--	--	--	0
Woodland Elementary	GMSG-24R	03/13/06	3:18 PM	27.95	32	0.01	--	--	--	0
Woodland Elementary	GMSG-24R	04/05/06	4:53 PM	28.69	55	0	--	--	--	0
Woodland Elementary	GMSG-24R	07/06/06	2:06 PM	29.02	81	0	--	--	--	0
Woodland Elementary	GMSG-24R	10/03/06	4:13 PM	28.82	68	0	--	--	--	0
Woodland Elementary	GMSG-24R	02/06/07	8:01 AM	28.94	-10	0	--	--	--	0
Woodland Elementary	GMSG-24R	04/09/07	11:40 AM	28.82	34	0	--	--	--	0
Woodland Elementary	GMSG-24R	07/17/07	10:18 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-24R	11/01/07	4:24 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-24R	02/06/08	3:50 PM	29.80	21	0	--	--	--	0
Woodland Elementary	GMSG-24R	04/29/08	3:42 PM	30.01	46	0	--	--	--	0
Woodland Elementary	GMSG-24R	07/16/08	1:27 PM	30.08	81	0	--	--	--	0
Woodland Elementary	GMSG-24R	10/22/08	4:03 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-24R	01/28/09	2:52 PM	28.45	14	0	--	--	--	0
Woodland Elementary	GMSG-24R	04/21/09	4:08 PM	28.33	36	T	--	--	--	0
Woodland Elementary	GMSG-24R	07/29/09	3:48 PM	28.56	73	0	--	--	--	0
Woodland Elementary	GMSG-24R	10/30/09	11:29 AM	28.07	56	0	--	--	--	0
Woodland Elementary	GMSG-24R	04/28/10	3:28 PM	28.57	63	0	--	--	--	0
Woodland Elementary	GMSG-24R	11/09/10	1:36 PM	28.73	58	0	--	--	--	0
Woodland Elementary	GMSG-24R	07/09/11	3:18 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-24R	11/08/12	4:00 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-24R	11/11/13	9:00 AM	28.91	23	0	--	--	--	0
Woodland Elementary	GMSG-24R	08/14/14	3:56 PM	28.79	74	0	--	--	--	0
Woodland Elementary	GMSG-24R	08/10/15	3:26 PM	28.64	80	0	--	--	--	0
Woodland Elementary	GMSG-25	06/13/99	8:30 AM	28.84	65	0	0	1.9	17.1	--
Woodland Elementary	GMSG-25	06/16/99	8:30 AM	28.96	46	T	0	2.1	16.6	--
Woodland Elementary	GMSG-25	06/17/99	3:00 PM	28.97	67	0	0	2	17.5	--
Woodland Elementary	GMSG-25	06/18/99	11:15 AM	29.02	71	0	0	2	17.6	--
Woodland Elementary	GMSG-25	06/19/99	2:15 PM	29.00	73	0	0	2	17.5	--
Woodland Elementary	GMSG-25	06/20/99	2:15 PM	28.98	73	0	0	2	17.6	--
Woodland Elementary	GMSG-25	07/10/99	4:56 PM	28.91	73	0	0	2.5	17.2	--
Woodland Elementary	GMSG-25	07/23/99	5:58 PM	28.58	85	0	0	2.6	17.5	--
Woodland Elementary	GMSG-25	07/27/99	3:16 PM	28.71	81	0	0	2.2	16.9	--
Woodland Elementary	GMSG-25	08/07/99	3:27 PM	28.49	78	0	0	2.7	16.6	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-25	09/14/99	6:01 PM	28.71	51	T	0	2.8	17.6	--
Woodland Elementary	GMSG-25	09/29/99	5:15 PM	28.78	54	0	0	2.6	17.6	--
Woodland Elementary	GMSG-25	10/06/99	4:38 PM	29.01	45	0	0	2.7	17.8	--
Woodland Elementary	GMSG-25	10/26/99	4:23 PM	28.89	40	0	0	2.6	17.3	--
Woodland Elementary	GMSG-25	11/01/99	4:32 PM	28.51	48	0	0	2.1	17.4	--
Woodland Elementary	GMSG-25	11/05/99	4:25 PM	28.81	49	0	0	2.6	17.1	--
Woodland Elementary	GMSG-25	12/09/99	4:11 PM	28.73	35	0	0	2	17.9	--
Woodland Elementary	GMSG-25	03/17/00	4:02 PM	29.13	30	0	0	1.4	18.1	--
Woodland Elementary	GMSG-25	04/03/00	4:34 PM	28.40	38	0	0	1.4	16.5	--
Woodland Elementary	GMSG-25	08/09/00	11:25 AM	28.69	66	0	0	2.7	18.2	--
Woodland Elementary	GMSG-25	08/19/00	1:25 PM	29.04	64	0	0	2.7	16.7	--
Woodland Elementary	GMSG-25	10/10/00	4:33 PM	28.80	63	0	0	2.6	17.7	--
Woodland Elementary	GMSG-25	04/09/01	4:58 PM	28.76	42	0	0	1.6	18.5	--
Woodland Elementary	GMSG-25	05/20/01	10:24 AM	28.64	73	0	0	1.7	17.2	--
Woodland Elementary	GMSG-25	07/20/01	11:33 AM	28.78	85	0	0	1.8	18.4	--
Woodland Elementary	GMSG-25	08/20/01	11:08 AM	28.86	76	0	0	1.5	18.8	--
Woodland Elementary	GMSG-25	09/09/01	10:20 AM	28.70	60	0	0	2	18.3	--
Woodland Elementary	GMSG-25	09/25/01	5:07 PM	28.85	54	0	0	2.1	18.1	--
Woodland Elementary	GMSG-25	10/06/01	2:00 PM	28.83	41	0	0	2.1	18.2	--
Woodland Elementary	GMSG-25	10/21/01	8:48 AM	28.81	42	0	0	2.1	16.8	--
Woodland Elementary	GMSG-25	11/13/01	4:07 PM	28.75	48	0	0	1.8	18.3	--
Woodland Elementary	GMSG-25	06/26/02	8:53 AM	28.61	74	0	0	2.2	18.3	--
Woodland Elementary	GMSG-25	08/14/02	2:10 PM	28.58	76	0	0	1.8	18.5	--
Woodland Elementary	GMSG-25	09/28/02	9:14 AM	28.96	51	0	0	2.5	17.4	0
Woodland Elementary	GMSG-25	11/24/02	8:57 AM	28.84	25	0	0	1.6	18.4	0
Woodland Elementary	GMSG-25	02/03/03	10:29 AM	28.42	28	T	0	1.3	18.3	0
Woodland Elementary	GMSG-25	04/15/03	10:04 AM	28.51	64	0	0	1	18.5	0
Woodland Elementary	GMSG-25	08/04/03	8:40 AM	28.75	65	0	0	1.7	17.7	0
Woodland Elementary	GMSG-25	11/01/03	9:37 AM	29.11	35	0	0	1.7	17.4	0
Woodland Elementary	GMSG-25	01/22/04	10:23 AM	28.77	-9	0	0	1.2	17.4	--
Woodland Elementary	GMSG-25	01/27/04	5:20 PM	28.59	16	T	0	0	19.9	0
Woodland Elementary	GMSG-25	04/06/04	2:05 PM	28.57	62	0	0	0.1	19.5	0
Woodland Elementary	GMSG-25	07/12/04	5:55 PM	28.69	83	0	0	1.7	17.2	0
Woodland Elementary	GMSG-25	10/17/04	1:32 PM	28.63	43	0	0	2.2	17.2	0
Woodland Elementary	GMSG-25	02/01/05	4:48 PM	29.11	35	0	--	--	--	0
Woodland Elementary	GMSG-25	04/01/05	8:51 AM	28.80	44	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-25	07/05/05	7:57 AM	28.83	60	0	--	--	--	0
Woodland Elementary	GMSG-25	10/14/05	4:36 PM	28.62	66	0	--	--	--	0
Woodland Elementary	GMSG-25	03/13/06	3:40 PM	28.00	31	T	--	--	--	0
Woodland Elementary	GMSG-25	04/05/06	4:43 PM	28.69	55	0	--	--	--	0
Woodland Elementary	GMSG-25	07/06/06	2:28 PM	29.02	81	0	--	--	--	0
Woodland Elementary	GMSG-25	10/03/06	4:05 PM	28.82	68	0	--	--	--	0
Woodland Elementary	GMSG-25	02/04/07	8:55 AM	28.78	-13	0	--	--	--	3
Woodland Elementary	GMSG-25	02/08/07	7:39 AM	28.86	-2	0	--	--	--	0
Woodland Elementary	GMSG-25	04/09/07	11:28 AM	28.84	33	0	--	--	--	0
Woodland Elementary	GMSG-25	07/17/07	10:07 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-25	11/01/07	4:02 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-25	02/06/08	3:24 PM	29.78	22	0	--	--	--	0
Woodland Elementary	GMSG-25	04/29/08	3:31 PM	30.01	46	0	--	--	--	0
Woodland Elementary	GMSG-25	07/16/08	1:15 PM	30.08	81	0	--	--	--	0
Woodland Elementary	GMSG-25	10/22/08	3:54 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-25	01/28/09	3:15 PM	28.45	14	0	--	--	--	0
Woodland Elementary	GMSG-25	04/21/09	4:22 PM	28.33	36	T	--	--	--	0
Woodland Elementary	GMSG-25	07/29/09	4:03 PM	28.56	73	0	--	--	--	0
Woodland Elementary	GMSG-25	10/30/09	11:16 AM	28.07	56	0	--	--	--	0
Woodland Elementary	GMSG-25	04/28/10	3:20 PM	28.57	63	0	--	--	--	0
Woodland Elementary	GMSG-25	11/09/10	1:25 PM	28.73	57	0	--	--	--	0
Woodland Elementary	GMSG-25	07/09/11	2:51 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-25	11/08/12	3:50 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-25	11/11/13	9:00 AM	28.91	23	0	--	--	--	0
Woodland Elementary	GMSG-25	08/14/14	3:24 PM	28.80	73	0	--	--	--	0
Woodland Elementary	GMSG-25	08/10/15	3:41 PM	28.64	77	0	--	--	--	0
Woodland Elementary	GMSG-26	06/13/99	8:59 AM	28.84	65	0	0	1.3	18.3	--
Woodland Elementary	GMSG-26	06/16/99	8:40 AM	28.96	46	T	0	1.3	17.7	--
Woodland Elementary	GMSG-26	06/17/99	3:10 PM	28.97	67	0	0	1.3	18.5	--
Woodland Elementary	GMSG-26	06/18/99	11:00 AM	29.02	71	0	0	1.3	18.4	--
Woodland Elementary	GMSG-26	06/19/99	2:30 PM	28.99	69	0	0	1.2	18.5	--
Woodland Elementary	GMSG-26	06/20/99	2:30 PM	28.98	73	0	0	1.3	18.5	--
Woodland Elementary	GMSG-26	07/10/99	5:05 PM	28.91	73	0	0	1.7	18	--
Woodland Elementary	GMSG-26	07/23/99	6:08 PM	28.58	85	0	0	1.7	18.6	--
Woodland Elementary	GMSG-26	07/27/99	3:24 PM	28.71	81	0	0	1.4	17.8	--
Woodland Elementary	GMSG-26	08/07/99	3:50 PM	28.51	76	0	0	1.8	17.4	--

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-26	09/14/99	6:17 PM	28.71	51	T	0	2.1	18.1	--
Woodland Elementary	GMSG-26	09/29/99	5:27 PM	28.78	54	0	0	1.8	18.7	--
Woodland Elementary	GMSG-26	10/06/99	4:44 PM	29.01	45	0	0	1.9	18.7	--
Woodland Elementary	GMSG-26	10/26/99	4:31 PM	28.89	38	0	0	1.6	18.6	--
Woodland Elementary	GMSG-26	11/01/99	4:24 PM	28.47	53	0	0	1.5	18.4	--
Woodland Elementary	GMSG-26	11/05/99	4:31 PM	28.84	46	0	0	1.7	18.4	--
Woodland Elementary	GMSG-26	12/09/99	4:15 PM	28.73	35	0	0	2.2	18.5	--
Woodland Elementary	GMSG-26	02/18/00	4:15 PM	28.84	26	0	0	1	18.7	--
Woodland Elementary	GMSG-26	03/17/00	3:24 PM	29.14	30	0	0	0.9	19	--
Woodland Elementary	GMSG-26	04/03/00	4:45 PM	28.40	38	0	0	1	17	--
Woodland Elementary	GMSG-26	08/09/00	11:32 AM	28.71	67	0	0	1.8	19.2	--
Woodland Elementary	GMSG-26	08/19/00	1:30 PM	29.04	67	0	0	1.7	17.9	--
Woodland Elementary	GMSG-26	10/10/00	4:44 PM	28.80	63	0	0	1.4	18.5	--
Woodland Elementary	GMSG-26	04/09/01	4:50 PM	28.76	42	0	0	1	19.6	--
Woodland Elementary	GMSG-26	05/20/01	10:10 AM	28.64	73	0	0	1.2	17.7	--
Woodland Elementary	GMSG-26	07/20/01	10:07 AM	28.81	77	0	0	1.5	18.3	--
Woodland Elementary	GMSG-26	08/20/01	11:16 AM	28.86	76	0	0	1.6	18.3	--
Woodland Elementary	GMSG-26	09/09/01	10:31 AM	28.70	60	0	0	2.1	18	--
Woodland Elementary	GMSG-26	09/25/01	5:16 PM	28.85	54	0	0	1.7	18.6	--
Woodland Elementary	GMSG-26	10/06/01	1:40 PM	28.83	41	0	0	0	20.9	--
Woodland Elementary	GMSG-26	10/21/01	8:54 AM	28.81	42	0	0	1.5	17.6	--
Woodland Elementary	GMSG-26	11/13/01	3:55 PM	28.75	48	0	0	1.2	19.1	--
Woodland Elementary	GMSG-26	02/14/02	4:20 PM	28.45	43	0	0	0	19.6	--
Woodland Elementary	GMSG-26	06/26/02	9:03 AM	28.61	74	0	0	1.3	19.2	--
Woodland Elementary	GMSG-26	08/14/02	2:00 PM	28.58	76	0	0	2.3	18.1	--
Woodland Elementary	GMSG-26	09/28/02	9:07 AM	28.96	51	0	0	1.8	17.9	0
Woodland Elementary	GMSG-26	11/24/02	8:44 AM	28.84	25	0	0	1.1	19.1	0
Woodland Elementary	GMSG-26	02/03/03	9:48 AM	28.42	28	T	0	0.9	19.7	0
Woodland Elementary	GMSG-26	04/15/03	9:50 AM	28.51	64	0	0	0.9	19.1	0
Woodland Elementary	GMSG-26	08/04/03	8:34 AM	28.75	65	0	0	1.8	17.7	0
Woodland Elementary	GMSG-26	11/01/03	9:50 AM	29.11	35	0	0	1.2	18	0
Woodland Elementary	GMSG-26	01/22/04	10:33 AM	28.79	-6	0	0	0	19.1	--
Woodland Elementary	GMSG-26	01/27/04	4:45 PM	28.59	16	T	0	0	19.9	0
Woodland Elementary	GMSG-26	04/06/04	2:10 PM	28.57	62	0	0	0.5	18.6	0
Woodland Elementary	GMSG-26	07/12/04	6:05 PM	28.69	83	0	0	1	18	0
Woodland Elementary	GMSG-26	10/17/04	1:23 PM	28.62	41	0	0	1.3	18.1	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-26	02/01/05	4:15 PM	29.11	35	0	--	--	--	0
Woodland Elementary	GMSG-26	04/01/05	8:45 AM	28.80	44	0	--	--	--	0
Woodland Elementary	GMSG-26	07/05/05	7:49 AM	28.83	60	0	--	--	--	0
Woodland Elementary	GMSG-26	10/14/05	4:47 PM	28.62	66	0	--	--	--	0
Woodland Elementary	GMSG-26	03/02/06	3:07 PM	28.80	29	0	--	--	--	0
Woodland Elementary	GMSG-26	04/05/06	4:31 PM	28.69	55	0	--	--	--	0
Woodland Elementary	GMSG-26	07/06/06	2:45 PM	29.01	82	0	--	--	--	0
Woodland Elementary	GMSG-26	10/03/06	3:56 PM	28.82	68	0	--	--	--	0
Woodland Elementary	GMSG-26	02/04/07	9:01 AM	28.78	-13	0	--	--	--	0
Woodland Elementary	GMSG-26	04/09/07	11:20 AM	28.84	33	0	--	--	--	0
Woodland Elementary	GMSG-26	07/17/07	9:54 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-26	11/01/07	4:16 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-26	02/06/08	3:05 PM	29.78	22	0	--	--	--	0
Woodland Elementary	GMSG-26	04/29/08	3:19 PM	30.02	48	0	--	--	--	0
Woodland Elementary	GMSG-26	07/16/08	1:02 PM	30.08	81	0	--	--	--	0
Woodland Elementary	GMSG-26	10/22/08	3:43 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-26	01/28/09	2:42 PM	28.45	14	0	--	--	--	0
Woodland Elementary	GMSG-26	04/21/09	4:50 PM	28.35	36	T	--	--	--	0
Woodland Elementary	GMSG-26	07/29/09	4:20 PM	28.56	73	0	--	--	--	0
Woodland Elementary	GMSG-26	10/30/09	11:05 AM	28.07	56	0	--	--	--	0
Woodland Elementary	GMSG-26	04/28/10	3:09 PM	28.57	63	0	--	--	--	0
Woodland Elementary	GMSG-26	11/09/10	1:15 PM	28.73	57	0	--	--	--	0
Woodland Elementary	GMSG-26	07/09/11	2:36 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-26	11/08/12	3:41 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-26	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
Woodland Elementary	GMSG-26	08/14/14	4:07 PM	28.79	74	0	--	--	--	0
Woodland Elementary	GMSG-26	08/10/15	3:58 PM	28.64	77	0	--	--	--	0
Woodland Elementary	GMSG-459	07/11/05	8:33 AM	28.92	84	0	--	--	--	0
Woodland Elementary	GMSG-459	07/19/05	3:49 PM	28.78	82	0	--	--	--	0
Woodland Elementary	GMSG-459	07/25/05	9:43 AM	28.73	85	0	--	--	--	0
Woodland Elementary	GMSG-459	09/12/05	10:19 AM	28.77	83	0	--	--	--	0
Woodland Elementary	GMSG-459	10/14/05	4:15 PM	28.61	66	T	--	--	--	0
Woodland Elementary	GMSG-459	03/02/06	3:48 PM	28.84	27	0	--	--	--	0
Woodland Elementary	GMSG-459	04/05/06	4:55 PM	28.69	55	0	--	--	--	0
Woodland Elementary	GMSG-459	07/06/06	2:53 PM	29.01	82	0	--	--	--	0
Woodland Elementary	GMSG-459	10/03/06	4:18 PM	28.82	68	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-459	02/04/07	8:20 AM	28.78	-16	0	--	--	--	0
Woodland Elementary	GMSG-459	04/09/07	11:43 AM	28.82	34	0	--	--	--	0
Woodland Elementary	GMSG-459	07/17/07	10:24 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-459	11/01/07	4:21 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-459	02/06/08	3:54 PM	29.80	21	0	--	--	--	0
Woodland Elementary	GMSG-459	04/29/08	3:45 PM	30.01	46	0	--	--	--	0
Woodland Elementary	GMSG-459	07/16/08	1:30 PM	30.09	79	0	--	--	--	0
Woodland Elementary	GMSG-459	10/22/08	4:08 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-459	01/28/09	2:48 PM	28.45	14	0	--	--	--	0
Woodland Elementary	GMSG-459	04/21/09	4:03 PM	28.33	36	T	--	--	--	0
Woodland Elementary	GMSG-459	07/29/09	3:45 PM	28.56	73	0	--	--	--	0
Woodland Elementary	GMSG-459	10/30/09	11:31 AM	28.03	58	0.01	--	--	--	0
Woodland Elementary	GMSG-459	04/28/10	3:34 PM	28.55	62	0	--	--	--	0
Woodland Elementary	GMSG-459	11/09/10	1:39 PM	28.73	58	0	--	--	--	0
Woodland Elementary	GMSG-459	07/09/11	2:30 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-459	11/08/12	4:03 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-459	11/11/13	9:00 AM	28.91	23	0	--	--	--	0
Woodland Elementary	GMSG-459	08/20/14	1:58 PM	28.64	68	0	--	--	--	0
Woodland Elementary	GMSG-459	08/10/15	3:23 PM	28.64	80	0	--	--	--	0
Woodland Elementary	GMSG-460	07/11/05	8:37 AM	28.92	84	0	--	--	--	0
Woodland Elementary	GMSG-460	07/19/05	3:54 PM	28.78	82	0	--	--	--	0
Woodland Elementary	GMSG-460	07/25/05	9:47 AM	28.73	85	0	--	--	--	0
Woodland Elementary	GMSG-460	08/01/05	12:57 PM	28.85	85	0	--	--	--	0
Woodland Elementary	GMSG-460	09/12/05	10:22 AM	28.77	83	0	--	--	--	0
Woodland Elementary	GMSG-460	10/14/05	4:26 PM	28.61	66	T	--	--	--	0
Woodland Elementary	GMSG-460	03/13/06	3:24 PM	27.95	32	0.01	--	--	--	0
Woodland Elementary	GMSG-460	04/05/06	4:49 PM	28.69	55	0	--	--	--	0
Woodland Elementary	GMSG-460	07/06/06	2:17 PM	29.02	81	0	--	--	--	0
Woodland Elementary	GMSG-460	10/03/06	4:16 PM	28.82	68	0	--	--	--	0
Woodland Elementary	GMSG-460	02/04/07	8:16 AM	28.78	-16	0	--	--	--	0
Woodland Elementary	GMSG-460	04/09/07	11:37 AM	28.82	34	0	--	--	--	0
Woodland Elementary	GMSG-460	07/17/07	10:20 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-460	11/01/07	4:26 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-460	02/06/08	3:43 PM	29.80	21	0	--	--	--	0
Woodland Elementary	GMSG-460	04/29/08	3:40 PM	30.01	46	0	--	--	--	0
Woodland Elementary	GMSG-460	07/16/08	1:25 PM	30.08	81	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-460	10/22/08	4:05 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-460	01/28/09	2:56 PM	28.45	14	0	--	--	--	0
Woodland Elementary	GMSG-460	04/28/10	3:31 PM	28.55	62	0	--	--	--	0
Woodland Elementary	GMSG-460	11/09/10	1:34 PM	28.73	58	0	--	--	--	0
Woodland Elementary	GMSG-460	07/09/11	3:09 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-460	11/08/12	3:58 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-460	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
Woodland Elementary	GMSG-460	08/14/14	3:49 PM	28.79	74	0	--	--	--	0
Woodland Elementary	GMSG-460	08/10/15	3:30 PM	28.64	77	0	--	--	--	0
Woodland Elementary	GMSG-461	07/11/05	8:43 AM	28.92	84	0	--	--	--	0
Woodland Elementary	GMSG-461	07/19/05	3:58 PM	28.78	82	0	--	--	--	0
Woodland Elementary	GMSG-461	07/25/05	9:49 AM	28.73	85	0	--	--	--	0
Woodland Elementary	GMSG-461	08/01/05	1:02 PM	28.85	85	0	--	--	--	0
Woodland Elementary	GMSG-461	09/12/05	10:15 AM	28.77	83	0	--	--	--	0
Woodland Elementary	GMSG-461	10/14/05	4:20 PM	28.61	66	T	--	--	--	0
Woodland Elementary	GMSG-461	03/02/06	3:42 PM	28.84	27	0	--	--	--	0
Woodland Elementary	GMSG-461	04/05/06	5:00 PM	28.69	55	0	--	--	--	0
Woodland Elementary	GMSG-461	07/06/06	2:12 PM	29.02	81	0	--	--	--	0
Woodland Elementary	GMSG-461	10/03/06	4:10 PM	28.82	68	0	--	--	--	0
Woodland Elementary	GMSG-461	02/04/07	8:06 AM	28.78	-16	0	--	--	--	0
Woodland Elementary	GMSG-461	04/09/07	11:34 AM	28.82	34	0	--	--	--	0
Woodland Elementary	GMSG-461	07/17/07	10:14 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-461	11/01/07	3:55 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-461	02/06/08	3:39 PM	29.80	21	0	--	--	--	0
Woodland Elementary	GMSG-461	04/29/08	3:37 PM	30.01	46	0	--	--	--	0
Woodland Elementary	GMSG-461	07/16/08	1:22 PM	30.08	81	0	--	--	--	0
Woodland Elementary	GMSG-461	10/22/08	4:00 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-461	01/28/09	3:00 PM	28.45	14	0	--	--	--	0
Woodland Elementary	GMSG-461	04/21/09	4:12 PM	28.33	36	T	--	--	--	0
Woodland Elementary	GMSG-461	07/29/09	3:53 PM	28.56	73	0	--	--	--	0
Woodland Elementary	GMSG-461	10/30/09	11:23 AM	28.07	56	0	--	--	--	0
Woodland Elementary	GMSG-461	04/28/10	3:25 PM	28.57	63	0	--	--	--	0
Woodland Elementary	GMSG-461	11/09/10	1:32 PM	28.73	58	0	--	--	--	0
Woodland Elementary	GMSG-461	07/09/11	3:04 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-461	11/08/12	3:56 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-461	11/11/13	9:00 AM	28.91	23	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-461	08/14/14	3:43 PM	28.79	74	0	--	--	--	0
Woodland Elementary	GMSG-461	08/10/15	3:33 PM	28.64	77	0	--	--	--	0
Woodland Elementary	GMSG-462	07/11/05	8:55 AM	28.92	84	0	--	--	--	0
Woodland Elementary	GMSG-462	07/19/05	4:10 PM	28.78	82	0	--	--	--	0
Woodland Elementary	GMSG-462	07/25/05	9:40 AM	28.73	85	0	--	--	--	0
Woodland Elementary	GMSG-462	08/01/05	12:50 PM	28.85	85	0	--	--	--	0
Woodland Elementary	GMSG-462	09/12/05	10:25 AM	28.77	83	0	--	--	--	0
Woodland Elementary	GMSG-462	10/14/05	4:32 PM	28.62	66	0	--	--	--	0
Woodland Elementary	GMSG-462	03/02/06	3:12 PM	28.80	29	0	--	--	--	0
Woodland Elementary	GMSG-462	04/05/06	4:35 PM	28.69	55	0	--	--	--	0
Woodland Elementary	GMSG-462	07/06/06	2:40 PM	29.01	82	0	--	--	--	0
Woodland Elementary	GMSG-462	10/03/06	3:59 PM	28.82	68	0	--	--	--	0
Woodland Elementary	GMSG-462	02/04/07	7:45 AM	28.78	-16	0	--	--	--	0
Woodland Elementary	GMSG-462	04/09/07	11:23 AM	28.84	33	0	--	--	--	0
Woodland Elementary	GMSG-462	07/17/07	9:59 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-462	11/01/07	4:09 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-462	02/06/08	3:10 PM	29.78	22	0	--	--	--	0
Woodland Elementary	GMSG-462	04/29/08	3:24 PM	30.02	48	0	--	--	--	0
Woodland Elementary	GMSG-462	07/16/08	1:07 PM	30.08	81	0	--	--	--	0
Woodland Elementary	GMSG-462	10/22/08	3:47 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-462	01/28/09	3:28 PM	28.45	14	0	--	--	--	0
Woodland Elementary	GMSG-462	04/21/09	4:35 PM	28.35	36	T	--	--	--	0
Woodland Elementary	GMSG-462	07/29/09	4:14 PM	28.56	73	0	--	--	--	0
Woodland Elementary	GMSG-462	10/30/09	11:09 AM	28.07	56	0	--	--	--	0
Woodland Elementary	GMSG-462	04/28/10	3:14 PM	28.57	63	0	--	--	--	0
Woodland Elementary	GMSG-462	11/09/10	1:19 PM	28.73	57	0	--	--	--	0
Woodland Elementary	GMSG-462	07/09/11	2:42 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-462	11/08/12	3:44 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-462	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
Woodland Elementary	GMSG-462	08/14/14	3:09 PM	28.80	73	0	--	--	--	0
Woodland Elementary	GMSG-462	08/10/15	3:51 PM	28.64	77	0	--	--	--	0
Woodland Elementary	GMSG-463	07/11/05	8:47 AM	28.92	84	0	--	--	--	0
Woodland Elementary	GMSG-463	07/19/05	4:02 PM	28.78	82	0	--	--	--	0
Woodland Elementary	GMSG-463	07/25/05	9:52 AM	28.73	85	0	--	--	--	0
Woodland Elementary	GMSG-463	08/01/05	1:06 PM	28.85	85	0	--	--	--	0
Woodland Elementary	GMSG-463	09/12/05	10:29 AM	28.77	83	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-463	10/31/05	4:40 PM	28.73	48	0	--	--	--	0
Woodland Elementary	GMSG-463	03/02/06	3:38 PM	28.84	27	0	--	--	--	0
Woodland Elementary	GMSG-463	04/05/06	4:45 PM	28.69	55	0	--	--	--	0
Woodland Elementary	GMSG-463	07/06/06	2:22 PM	29.02	81	0	--	--	--	0
Woodland Elementary	GMSG-463	10/03/06	4:07 PM	28.82	68	0	--	--	--	0
Woodland Elementary	GMSG-463	02/04/07	8:01 AM	28.78	-16	0	--	--	--	0
Woodland Elementary	GMSG-463	04/09/07	11:31 AM	28.82	34	0	--	--	--	0
Woodland Elementary	GMSG-463	07/17/07	10:09 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-463	11/01/07	3:58 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-463	02/06/08	3:30 PM	29.80	21	0	--	--	--	0
Woodland Elementary	GMSG-463	04/29/08	3:33 PM	30.01	46	0	--	--	--	0
Woodland Elementary	GMSG-463	07/16/08	1:17 PM	30.08	81	0	--	--	--	0
Woodland Elementary	GMSG-463	10/22/08	3:56 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-463	01/28/09	3:08 PM	28.45	14	0	--	--	--	0
Woodland Elementary	GMSG-463	04/21/09	4:19 PM	28.33	36	T	--	--	--	0
Woodland Elementary	GMSG-463	07/29/09	3:59 PM	28.56	73	0	--	--	--	0
Woodland Elementary	GMSG-463	10/30/09	11:19 AM	28.07	56	0	--	--	--	0
Woodland Elementary	GMSG-463	04/28/10	3:22 PM	28.57	63	0	--	--	--	0
Woodland Elementary	GMSG-463	11/09/10	1:27 PM	28.73	57	0	--	--	--	0
Woodland Elementary	GMSG-463	07/09/11	2:54 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-463	11/08/12	3:53 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-463	11/11/13	9:00 AM	28.91	23	0	--	--	--	0
Woodland Elementary	GMSG-463	08/14/14	3:29 PM	28.80	73	0	--	--	--	0
Woodland Elementary	GMSG-463	08/10/15	3:39 PM	28.64	77	0	--	--	--	0
Woodland Elementary	GMSG-464	07/11/05	8:50 AM	28.92	84	0	--	--	--	0
Woodland Elementary	GMSG-464	07/19/05	4:06 PM	28.78	82	0	--	--	--	0
Woodland Elementary	GMSG-464	07/25/05	9:56 AM	28.73	85	0	--	--	--	0
Woodland Elementary	GMSG-464	08/01/05	1:09 PM	28.85	85	0	--	--	--	0
Woodland Elementary	GMSG-464	09/12/05	10:31 AM	28.76	87	0	--	--	--	0
Woodland Elementary	GMSG-464	10/14/05	4:40 PM	28.62	66	0	--	--	--	0
Woodland Elementary	GMSG-464	03/02/06	3:24 PM	28.80	29	0	--	--	--	0
Woodland Elementary	GMSG-464	04/05/06	4:40 PM	28.69	55	0	--	--	--	0
Woodland Elementary	GMSG-464	07/06/06	2:33 PM	29.01	82	0	--	--	--	0
Woodland Elementary	GMSG-464	10/03/06	4:01 PM	28.82	68	0	--	--	--	0
Woodland Elementary	GMSG-464	02/04/07	7:52 AM	28.78	-16	0	--	--	--	0
Woodland Elementary	GMSG-464	04/09/07	11:25 AM	28.84	33	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-464	07/17/07	10:02 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-464	11/01/07	4:07 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-464	02/06/08	3:14 PM	29.78	22	0	--	--	--	0
Woodland Elementary	GMSG-464	04/29/08	3:26 PM	30.02	48	0	--	--	--	0
Woodland Elementary	GMSG-464	07/16/08	1:10 PM	30.08	81	0	--	--	--	0
Woodland Elementary	GMSG-464	10/22/08	3:49 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-464	01/28/09	3:24 PM	28.45	14	0	--	--	--	0
Woodland Elementary	GMSG-464	04/21/09	4:31 PM	28.35	36	T	--	--	--	0
Woodland Elementary	GMSG-464	07/29/09	4:08 PM	28.56	73	0	--	--	--	0
Woodland Elementary	GMSG-464	10/30/09	11:12 AM	28.07	56	0	--	--	--	0
Woodland Elementary	GMSG-464	04/28/10	3:16 PM	28.57	63	0	--	--	--	0
Woodland Elementary	GMSG-464	11/09/10	1:22 PM	28.73	57	0	--	--	--	0
Woodland Elementary	GMSG-464	07/09/11	2:45 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-464	11/08/12	3:46 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-464	11/11/13	9:00 AM	28.91	23	0	--	--	--	0
Woodland Elementary	GMSG-464	08/14/14	3:15 PM	28.80	73	0	--	--	--	0
Woodland Elementary	GMSG-464	08/10/15	3:48 PM	28.64	77	0	--	--	--	0
Woodland Elementary	GMSG-651	07/17/07	10:26 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-651	07/24/07	9:50 AM	30.04	79	0	--	--	--	0
Woodland Elementary	GMSG-651	08/06/07	1:45 PM	29.85	84	0	--	--	--	0
Woodland Elementary	GMSG-651	09/17/07	3:31 PM	30.00	67	0	--	--	--	0
Woodland Elementary	GMSG-651	11/01/07	4:18 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-651	11/30/07	11:18 AM	30.15	10	0	--	--	--	0
Woodland Elementary	GMSG-651	02/06/08	3:59 PM	29.80	21	0	--	--	--	0
Woodland Elementary	GMSG-651	04/29/08	3:47 PM	30.01	46	0	--	--	--	0
Woodland Elementary	GMSG-651	07/16/08	1:32 PM	30.09	79	0	--	--	--	0
Woodland Elementary	GMSG-651	10/22/08	4:10 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-651	01/28/09	2:38 PM	28.45	14	0	--	--	--	0
Woodland Elementary	GMSG-651	04/21/09	4:00 PM	28.33	36	T	--	--	--	0
Woodland Elementary	GMSG-651	07/29/09	3:42 PM	28.56	73	0	--	--	--	0
Woodland Elementary	GMSG-651	10/30/09	11:33 AM	28.03	58	0.01	--	--	--	0
Woodland Elementary	GMSG-651	04/28/10	3:35 PM	28.55	62	0	--	--	--	0
Woodland Elementary	GMSG-651	11/09/10	1:40 PM	28.73	58	0	--	--	--	0
Woodland Elementary	GMSG-651	07/09/11	2:33 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-651	11/08/12	4:04 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-651	11/11/13	9:00 AM	28.91	23	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-651	08/14/14	4:01 PM	28.79	74	0	--	--	--	0
Woodland Elementary	GMSG-651	08/10/15	3:17 PM	28.64	80	0	--	--	--	0
Woodland Elementary	GMSG-652	07/03/07	10:56 AM	29.98	76	0	--	--	--	0
Woodland Elementary	GMSG-652	07/17/07	10:11 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-652	07/24/07	10:00 AM	30.04	79	0	--	--	--	0
Woodland Elementary	GMSG-652	08/06/07	2:08 PM	29.85	84	0	--	--	--	0
Woodland Elementary	GMSG-652	09/17/07	3:42 PM	30.00	67	0	--	--	--	0
Woodland Elementary	GMSG-652	11/01/07	3:56 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-652	02/06/08	3:35 PM	29.80	21	0	--	--	--	0
Woodland Elementary	GMSG-652	04/29/08	3:35 PM	30.01	46	0	--	--	--	0
Woodland Elementary	GMSG-652	07/16/08	1:19 PM	30.08	81	0	--	--	--	0
Woodland Elementary	GMSG-652	10/22/08	3:59 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-652	01/28/09	3:04 PM	28.45	14	0	--	--	--	0
Woodland Elementary	GMSG-652	04/21/09	4:17 PM	28.33	36	T	--	--	--	0
Woodland Elementary	GMSG-652	07/29/09	3:56 PM	28.56	73	0	--	--	--	0
Woodland Elementary	GMSG-652	10/30/09	11:21 AM	28.07	56	0	--	--	--	0
Woodland Elementary	GMSG-652	04/28/10	3:23 PM	28.57	63	0	--	--	--	0
Woodland Elementary	GMSG-652	11/09/10	1:30 PM	28.73	58	0	--	--	--	0
Woodland Elementary	GMSG-652	07/09/11	2:59 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-652	11/08/12	3:54 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-652	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
Woodland Elementary	GMSG-652	08/14/14	3:38 PM	28.79	74	0	--	--	--	0
Woodland Elementary	GMSG-652	08/10/15	3:36 PM	28.64	77	0	--	--	--	0
Woodland Elementary	GMSG-653	07/03/07	11:00 AM	29.98	76	0	--	--	--	0
Woodland Elementary	GMSG-653	07/17/07	10:05 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-653	07/24/07	9:57 AM	30.04	79	0	--	--	--	0
Woodland Elementary	GMSG-653	08/06/07	1:53 PM	29.85	84	0	--	--	--	0
Woodland Elementary	GMSG-653	09/17/07	3:37 PM	30.00	67	0	--	--	--	0
Woodland Elementary	GMSG-653	11/01/07	4:04 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-653	02/06/08	3:17 PM	29.78	22	0	--	--	--	0
Woodland Elementary	GMSG-653	04/29/08	3:29 PM	30.02	48	0	--	--	--	0
Woodland Elementary	GMSG-653	07/16/08	1:12 PM	30.08	81	0	--	--	--	0
Woodland Elementary	GMSG-653	10/22/08	3:52 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-653	01/28/09	3:21 PM	28.45	14	0	--	--	--	0
Woodland Elementary	GMSG-653	04/21/09	4:27 PM	28.33	36	T	--	--	--	0
Woodland Elementary	GMSG-653	07/29/09	4:06 PM	28.56	73	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Woodland Elementary	GMSG-653	10/30/09	11:14 AM	28.07	56	0	--	--	--	0
Woodland Elementary	GMSG-653	04/28/10	3:18 PM	28.57	63	0	--	--	--	0
Woodland Elementary	GMSG-653	11/09/10	1:24 PM	28.73	57	0	--	--	--	0
Woodland Elementary	GMSG-653	07/09/11	2:48 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-653	11/08/12	3:48 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-653	11/12/13	2:00 PM	29.22	29	0	--	--	--	0
Woodland Elementary	GMSG-653	08/14/14	3:18 PM	28.80	73	0	--	--	--	0
Woodland Elementary	GMSG-653	08/10/15	3:45 PM	28.64	77	0	--	--	--	0
Woodland Elementary	GMSG-654	07/03/07	11:04 AM	29.98	76	0	--	--	--	0
Woodland Elementary	GMSG-654	07/17/07	9:56 AM	29.96	78	0	--	--	--	0
Woodland Elementary	GMSG-654	07/24/07	9:53 AM	30.04	79	0	--	--	--	0
Woodland Elementary	GMSG-654	08/06/07	2:02 PM	29.85	84	0	--	--	--	0
Woodland Elementary	GMSG-654	09/17/07	3:34 PM	30.00	67	0	--	--	--	0
Woodland Elementary	GMSG-654	11/01/07	4:11 PM	30.14	45	0	--	--	--	0
Woodland Elementary	GMSG-654	02/06/08	3:07 PM	29.78	22	0	--	--	--	0
Woodland Elementary	GMSG-654	04/29/08	3:22 PM	30.02	48	0	--	--	--	0
Woodland Elementary	GMSG-654	07/16/08	1:05 PM	30.08	81	0	--	--	--	0
Woodland Elementary	GMSG-654	10/22/08	3:45 PM	30.45	45	0	--	--	--	0
Woodland Elementary	GMSG-654	01/28/09	3:30 PM	28.45	13	0	--	--	--	0
Woodland Elementary	GMSG-654	04/21/09	4:40 PM	28.35	36	T	--	--	--	0
Woodland Elementary	GMSG-654	07/29/09	4:17 PM	28.56	73	0	--	--	--	0
Woodland Elementary	GMSG-654	10/30/09	11:07 AM	28.07	56	0	--	--	--	0
Woodland Elementary	GMSG-654	04/28/10	3:12 PM	28.57	63	0	--	--	--	0
Woodland Elementary	GMSG-654	11/09/10	1:17 PM	28.73	57	0	--	--	--	0
Woodland Elementary	GMSG-654	07/09/11	2:39 PM	28.61	78	0	--	--	--	0
Woodland Elementary	GMSG-654	11/08/12	3:43 PM	28.70	44	0	--	--	--	0
Woodland Elementary	GMSG-654	11/11/13	9:00 AM	28.91	23	0	--	--	--	0
Woodland Elementary	GMSG-654	08/14/14	3:05 PM	28.80	73	0	--	--	--	0
Woodland Elementary	GMSG-654	08/10/15	3:55 PM	28.64	77	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	07/28/08	10:36 AM	29.93	74	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	08/06/08	10:30 AM	29.98	77	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	08/11/08	10:41 AM	30.08	72	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	09/16/08	9:46 AM	30.03	65	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	10/02/08	2:56 PM	29.75	55	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	12/01/08	1:32 PM	29.55	25	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	01/23/09	11:46 AM	28.58	17	T	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Yorkshire Bus Garage	GMSG-662	03/30/09	2:34 PM	28.75	44	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	10/19/09	11:39 AM	28.47	63	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	01/19/10	1:31 PM	28.70	23	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	07/22/10	11:42 AM	28.67	69	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	10/28/10	12:08 PM	28.69	40	T	--	--	--	0
Yorkshire Bus Garage	GMSG-662	01/25/11	11:03 AM	28.71	20	T	--	--	--	0
Yorkshire Bus Garage	GMSG-662	05/04/11	11:08 AM	29.05	60	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	07/10/11	9:35 AM	28.61	79	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	11/09/11	3:15 PM	28.35	33	0.02	--	--	--	0
Yorkshire Bus Garage	GMSG-662	04/30/12	12:48 PM	28.64	47	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	11/01/12	2:16 PM	28.52	44	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	11/09/13	12:40 PM	28.39	40	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	08/14/14	11:36 AM	28.84	69	0	--	--	--	0
Yorkshire Bus Garage	GMSG-662	08/07/15	12:28 PM	28.64	63	T	--	--	--	0
Yorkshire Bus Garage	GMSG-663	07/28/08	10:38 AM	29.93	74	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	08/06/08	10:25 AM	30.00	77	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	08/11/08	10:43 AM	30.08	72	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	09/16/08	9:48 AM	30.03	65	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	10/02/08	2:58 PM	29.75	55	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	12/01/08	1:34 PM	29.55	25	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	01/23/09	11:48 AM	28.58	17	T	--	--	--	0
Yorkshire Bus Garage	GMSG-663	03/30/09	2:35 PM	28.75	44	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	10/19/09	11:42 AM	28.47	63	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	01/19/10	1:36 PM	28.70	23	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	07/22/10	11:44 AM	28.67	69	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	10/28/10	12:09 PM	28.69	40	T	--	--	--	0
Yorkshire Bus Garage	GMSG-663	01/25/11	11:05 AM	28.71	20	T	--	--	--	0
Yorkshire Bus Garage	GMSG-663	05/04/11	11:11 AM	29.05	60	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	07/10/11	9:29 AM	28.60	79	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	11/09/11	3:17 PM	28.35	33	0.02	--	--	--	0
Yorkshire Bus Garage	GMSG-663	04/30/12	12:50 PM	28.64	47	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	11/01/12	2:24 PM	28.52	44	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	11/09/13	12:40 PM	28.39	40	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	08/14/14	11:40 AM	28.84	69	0	--	--	--	0
Yorkshire Bus Garage	GMSG-663	08/07/15	12:40 PM	28.64	65	T	--	--	--	0
Yorkshire Bus Garage	GMSG-664	07/28/08	10:40 AM	29.93	74	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Yorkshire Bus Garage	GMSG-664	08/06/08	10:19 AM	30.00	77	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	08/11/08	10:45 AM	30.08	72	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	09/16/08	9:50 AM	30.03	65	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	10/02/08	3:00 PM	29.75	55	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	12/01/08	1:37 PM	29.55	25	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	01/23/09	11:51 AM	28.58	17	T	--	--	--	0
Yorkshire Bus Garage	GMSG-664	03/30/09	2:37 PM	28.75	44	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	10/19/09	11:44 AM	28.47	63	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	01/19/10	1:39 PM	28.70	23	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	07/22/10	11:46 AM	28.67	69	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	10/28/10	12:11 PM	28.69	40	T	--	--	--	0
Yorkshire Bus Garage	GMSG-664	01/25/11	11:07 AM	28.71	20	T	--	--	--	0
Yorkshire Bus Garage	GMSG-664	05/04/11	11:14 AM	29.05	60	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	07/10/11	9:31 AM	28.61	79	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	11/09/11	3:18 PM	28.35	33	0.02	--	--	--	0
Yorkshire Bus Garage	GMSG-664	04/30/12	12:52 PM	28.64	47	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	11/01/12	2:22 PM	28.52	44	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	11/09/13	12:40 PM	28.39	40	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	08/14/14	11:43 AM	28.84	69	0	--	--	--	0
Yorkshire Bus Garage	GMSG-664	08/07/15	12:37 PM	28.64	65	T	--	--	--	0
Yorkshire Bus Garage	GMSG-665	07/28/08	10:41 AM	29.93	74	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	08/06/08	10:15 AM	30.00	77	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	08/11/08	10:51 AM	30.08	72	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	09/16/08	9:52 AM	30.03	65	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	10/02/08	3:02 PM	29.75	55	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	12/01/08	1:40 PM	29.55	25	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	01/23/09	11:56 AM	28.58	17	T	--	--	--	0
Yorkshire Bus Garage	GMSG-665	03/30/09	2:39 PM	28.75	44	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	10/19/09	11:46 AM	28.47	63	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	01/19/10	1:44 PM	28.70	23	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	07/22/10	11:48 AM	28.67	69	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	10/28/10	12:12 PM	28.69	40	T	--	--	--	0
Yorkshire Bus Garage	GMSG-665	01/25/11	11:11 AM	28.71	20	T	--	--	--	0
Yorkshire Bus Garage	GMSG-665	05/04/11	11:17 AM	29.05	60	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	07/10/11	9:33 AM	28.61	79	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	11/09/11	3:20 PM	28.35	33	0.02	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Yorkshire Bus Garage	GMSG-665	04/30/12	12:53 PM	28.64	47	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	11/01/12	2:19 PM	28.52	44	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	11/09/13	12:40 PM	28.39	40	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	08/20/14	2:27 PM	28.64	68	0	--	--	--	0
Yorkshire Bus Garage	GMSG-665	08/07/15	12:33 PM	28.64	65	T	--	--	--	0
Zam's Services	GMSG-77	07/13/02	10:40 AM	28.80	81	0	0	1.6	17.7	0
Zam's Services	GMSG-77	07/22/02	1:09 PM	28.66	82	0	0	1.9	17	0
Zam's Services	GMSG-77	08/12/02	8:55 AM	28.64	67	0.08	0	2.1	17.4	0
Zam's Services	GMSG-77	09/30/02	1:02 PM	28.56	75	0	0	2.3	16.7	0
Zam's Services	GMSG-77	10/29/02	11:52 AM	28.96	43	0	0	1.1	18	0
Zam's Services	GMSG-77	11/19/02	12:31 PM	28.53	46	0	0	1	18.3	0
Zam's Services	GMSG-77	01/29/03	2:44 PM	29.05	18	0	0	0.5	18.8	0
Zam's Services	GMSG-77	04/21/03	1:19 PM	28.54	41	T	0	0.3	18.6	0
Zam's Services	GMSG-77	08/05/03	8:55 AM	28.73	73	0	0	2	15.8	0
Zam's Services	GMSG-77	10/28/03	11:41 AM	28.10	44	T	0	1.1	17.1	0
Zam's Services	GMSG-77	10/30/03	1:24 PM	28.61	43	T	--	--	--	--
Zam's Services	GMSG-77	11/12/03	9:38 AM	28.35	38	T	--	--	--	--
Zam's Services	GMSG-77	11/24/03	2:33 PM	28.35	16	T	--	--	--	--
Zam's Services	GMSG-77	12/08/03	10:47 AM	28.66	37	0	--	--	--	--
Zam's Services	GMSG-77	01/20/04	10:58 AM	29.07	9	0	0	0.1	18.7	0
Zam's Services	GMSG-77	04/18/04	12:17 PM	28.54	49	0	0	0.5	16.5	0
Zam's Services	GMSG-77	07/14/04	3:58 PM	28.67	78	0	0	0.9	17.9	0
Zam's Services	GMSG-77	10/31/04	12:53 PM	--	--	--	0	0	19.9	0
Zam's Services	GMSG-77	02/01/05	1:32 PM	29.10	34	0	--	--	--	0
Zam's Services	GMSG-77	04/05/05	9:39 AM	28.57	59	0	--	--	--	0
Zam's Services	GMSG-77	07/01/05	11:14 AM	28.66	59	0	--	--	--	0
Zam's Services	GMSG-77	10/13/05	1:15 PM	28.80	59	0	--	--	--	0
Zam's Services	GMSG-77	02/28/06	3:46 PM	28.73	27	0	--	--	--	0
Zam's Services	GMSG-77	04/14/06	1:59 PM	28.35	72	0	--	--	--	0
Zam's Services	GMSG-77	07/13/06	2:51 PM	28.76	93	0	--	--	--	0
Zam's Services	GMSG-77	10/10/06	8:08 AM	29.00	34	0	--	--	--	0
Zam's Services	GMSG-77	02/01/07	2:39 PM	28.37	19	0	--	--	--	0
Zam's Services	GMSG-77	04/06/07	1:27 PM	28.74	20	T	--	--	--	0
Zam's Services	GMSG-77	07/20/07	10:54 AM	30.24	68	0	--	--	--	0
Zam's Services	GMSG-77	10/19/07	11:14 AM	28.98	54	T	--	--	--	0
Zam's Services	GMSG-77	01/25/08	12:49 PM	30.14	24	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Zam's Services	GMSG-77	04/28/08	11:26 AM	30.07	35	0	--	--	--	0
Zam's Services	GMSG-77	07/16/08	11:47 AM	30.11	82	0	--	--	--	0
Zam's Services	GMSG-77	10/14/08	2:56 PM	30.13	56	0	--	--	--	0
Zam's Services	GMSG-77	01/29/09	2:25 PM	28.43	16	T	--	--	--	0
Zam's Services	GMSG-77	04/21/09	10:20 AM	28.20	35	T	--	--	--	0
Zam's Services	GMSG-77	07/28/09	2:35 PM	28.46	71	0	--	--	--	0
Zam's Services	GMSG-77	10/20/09	11:08 AM	28.85	45	0	--	--	--	0
Zam's Services	GMSG-77	04/26/10	2:01 PM	28.42	61	0	--	--	--	0
Zam's Services	GMSG-77	11/08/10	2:23 PM	28.64	58	0	--	--	--	0
Zam's Services	GMSG-77	12/19/12	1:39 PM	28.69	31	0	--	--	--	0
Zam's Services	GMSG-77	11/12/13	11:00 AM	29.28	26	0	--	--	--	0
Zam's Services	GMSG-77	08/22/14	1:59 PM	28.71	74	0	--	--	--	0
Zam's Services	GMSG-77	08/07/15	2:15 PM	28.64	66	T	--	--	--	0
Zam's Services	GMSG-84	07/13/02	11:22 AM	28.80	81	0	0	2	17.2	0
Zam's Services	GMSG-84	07/22/02	1:24 PM	28.66	82	0	0	2.6	16.4	0
Zam's Services	GMSG-84	08/12/02	10:05 AM	28.66	71	T	0	2.4	16.6	0
Zam's Services	GMSG-84	09/30/02	1:11 PM	28.56	75	0	0	2.2	16.6	0
Zam's Services	GMSG-84	10/29/02	12:02 PM	28.96	43	0	0	1.4	17.2	0
Zam's Services	GMSG-84	11/19/02	12:47 PM	28.53	46	0	0	1.5	17.3	0
Zam's Services	GMSG-84	01/29/03	2:53 PM	29.05	18	0	0	1.6	17.5	0
Zam's Services	GMSG-84	04/21/03	1:11 PM	28.54	41	T	0	1.8	16.9	0
Zam's Services	GMSG-84	08/04/03	11:59 AM	28.75	68	T	0	2.4	15.8	0
Zam's Services	GMSG-84	10/28/03	11:58 AM	28.10	44	T	0	1.7	16.6	0
Zam's Services	GMSG-84	10/30/03	1:30 PM	28.60	44	T	--	--	--	--
Zam's Services	GMSG-84	11/12/03	9:06 AM	28.37	37	0	--	--	--	--
Zam's Services	GMSG-84	11/24/03	2:13 PM	28.33	17	T	--	--	--	--
Zam's Services	GMSG-84	12/08/03	10:19 AM	28.69	35	0	--	--	--	--
Zam's Services	GMSG-84	12/15/03	2:00 PM	28.50	25	0	--	--	--	--
Zam's Services	GMSG-84	01/22/04	9:35 AM	28.77	-9	0	0	1.1	17.1	0
Zam's Services	GMSG-84	04/19/04	3:50 PM	28.89	-	0	0	1.2	16.2	0
Zam's Services	GMSG-84	07/14/04	4:08 PM	28.67	78	0	0	1	17.9	0
Zam's Services	GMSG-84	10/30/04	11:36 AM	27.97	49	0.01	0	0.3	19.7	0
Zam's Services	GMSG-84	02/01/05	1:40 PM	29.10	34	0	--	--	--	0
Zam's Services	GMSG-84	07/01/05	11:20 AM	28.66	59	0	--	--	--	0
Zam's Services	GMSG-84	10/13/05	1:35 PM	28.79	59	T	--	--	--	0
Zam's Services	GMSG-84	02/28/06	3:05 PM	28.72	27	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Zam's Services	GMSG-84	04/14/06	2:08 PM	28.35	72	0	--	--	--	0
Zam's Services	GMSG-84	07/13/06	3:19 PM	28.76	93	0	--	--	--	0
Zam's Services	GMSG-84	10/10/06	8:15 AM	29.00	34	0	--	--	--	0
Zam's Services	GMSG-84	02/01/07	2:05 PM	28.37	18	0	--	--	--	0
Zam's Services	GMSG-84	04/06/07	1:18 PM	28.74	20	T	--	--	--	0
Zam's Services	GMSG-84	07/20/07	10:43 AM	30.24	68	0	--	--	--	0
Zam's Services	GMSG-84	10/19/07	11:31 AM	28.98	53	T	--	--	--	0
Zam's Services	GMSG-84	01/17/08	10:02 AM	29.71	27	T	--	--	--	0
Zam's Services	GMSG-84	04/28/08	11:18 AM	30.07	35	0	--	--	--	0
Zam's Services	GMSG-84	07/16/08	11:38 AM	30.11	82	0	--	--	--	0
Zam's Services	GMSG-84	10/14/08	2:48 PM	30.13	56	0	--	--	--	0
Zam's Services	GMSG-84	01/29/09	2:15 PM	28.43	16	T	--	--	--	0
Zam's Services	GMSG-84	04/21/09	10:54 AM	28.22	35	T	--	--	--	0
Zam's Services	GMSG-84	07/28/09	2:24 PM	28.47	71	0	--	--	--	0
Zam's Services	GMSG-84	10/20/09	10:53 AM	28.85	45	0	--	--	--	0
Zam's Services	GMSG-84	04/26/10	2:20 PM	28.42	61	0	--	--	--	0
Zam's Services	GMSG-84	11/08/10	2:31 PM	28.61	57	0	--	--	--	0
Zam's Services	GMSG-84	07/10/11	12:36 PM	28.57	83	0	--	--	--	0
Zam's Services	GMSG-84	10/29/12	1:25 PM	29.02	47	0	--	--	--	0
Zam's Services	GMSG-84	11/12/13	4:00 PM	29.20	28	0	--	--	--	0
Zam's Services	GMSG-84	08/22/14	1:45 PM	28.71	74	0	--	--	--	0
Zam's Services	GMSG-84	08/07/15	2:30 PM	28.65	65	T	--	--	--	0
Zam's Services	GMSG-638	10/25/06	2:48 PM	28.95	46	0	--	--	--	0
Zam's Services	GMSG-638	10/31/06	2:38 PM	28.66	36	0	--	--	--	0
Zam's Services	GMSG-638	11/10/06	10:06 AM	28.89	30	0.09	--	--	--	0
Zam's Services	GMSG-638	12/19/06	11:27 AM	29.03	33	0	--	--	--	0
Zam's Services	GMSG-638	03/16/07	2:20 PM	29.08	31	0	--	--	--	0
Zam's Services	GMSG-638	04/06/07	1:08 PM	28.74	20	T	--	--	--	0
Zam's Services	GMSG-638	07/23/07	11:20 AM	30.11	72	0	--	--	--	0
Zam's Services	GMSG-638	10/19/07	11:10 AM	28.98	54	T	--	--	--	0
Zam's Services	GMSG-638	02/05/08	2:43 PM	29.94	35	0	--	--	--	0
Zam's Services	GMSG-638	04/28/08	11:22 AM	30.07	35	0	--	--	--	0
Zam's Services	GMSG-638	07/16/08	11:45 AM	30.11	82	0	--	--	--	0
Zam's Services	GMSG-638	04/21/09	10:28 AM	28.20	35	T	--	--	--	0
Zam's Services	GMSG-638	11/03/09	1:00 PM	28.96	41	0	--	--	--	0
Zam's Services	GMSG-638	12/18/12	3:30 PM	28.42	29	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Zam's Services	GMSG-638	11/26/13	10:15 AM	28.70	22	0	--	--	--	0
Zam's Services	GMSG-638	08/24/15	11:35 AM	28.50	54	T	--	--	--	0
Zam's Services	GMSG-639	10/25/06	2:45 PM	28.95	46	0	--	--	--	0
Zam's Services	GMSG-639	10/31/06	2:35 PM	28.66	36	0	--	--	--	0
Zam's Services	GMSG-639	11/10/06	10:03 AM	28.89	30	0.09	--	--	--	0
Zam's Services	GMSG-639	12/19/06	11:23 AM	29.03	33	0	--	--	--	0
Zam's Services	GMSG-639	02/01/07	2:21 PM	28.37	18	0	--	--	--	0
Zam's Services	GMSG-639	03/27/07	8:52 AM	29.00	46	0	--	--	--	0
Zam's Services	GMSG-639	04/06/07	1:11 PM	28.74	20	T	--	--	--	0
Zam's Services	GMSG-639	07/23/07	10:37 AM	30.11	72	0	--	--	--	0
Zam's Services	GMSG-639	10/19/07	11:40 AM	28.98	53	T	--	--	--	0
Zam's Services	GMSG-639	02/06/08	10:32 AM	29.82	20	T	--	--	--	0
Zam's Services	GMSG-639	07/16/08	11:42 AM	30.11	82	0	--	--	--	0
Zam's Services	GMSG-639	04/21/09	10:35 AM	28.22	35	T	--	--	--	0
Zam's Services	GMSG-639	10/20/09	10:58 AM	28.85	45	0	--	--	--	0
Zam's Services	GMSG-639	11/03/09	12:20 PM	28.99	40	0	--	--	--	0
Zam's Services	GMSG-639	04/26/10	2:15 PM	28.42	61	0	--	--	--	0
Zam's Services	GMSG-639	11/08/10	2:35 PM	28.61	57	0	--	--	--	0
Zam's Services	GMSG-639	07/10/11	12:30 PM	28.57	83	0	--	--	--	0
Zam's Services	GMSG-639	10/29/12	1:32 PM	29.01	46	0	--	--	--	0
Zam's Services	GMSG-639	11/26/13	9:30 AM	28.70	22	0	--	--	--	0
Zam's Services	GMSG-639	08/22/14	1:30 PM	28.71	74	0	--	--	--	0
Zam's Services	GMSG-639	08/07/15	2:22 PM	28.64	66	T	--	--	--	0
Zam's Services	GMSG-640	10/25/06	2:42 PM	28.95	46	0	--	--	--	0
Zam's Services	GMSG-640	10/31/06	2:32 PM	28.66	36	0	--	--	--	0
Zam's Services	GMSG-640	11/10/06	9:59 AM	28.89	30	0.09	--	--	--	0
Zam's Services	GMSG-640	12/19/06	11:19 AM	29.03	33	0	--	--	--	0
Zam's Services	GMSG-640	02/01/07	2:10 PM	28.37	18	0	--	--	--	0
Zam's Services	GMSG-640	03/27/07	8:49 AM	29.00	46	0	--	--	--	0
Zam's Services	GMSG-640	04/06/07	1:15 PM	28.74	20	T	--	--	--	0
Zam's Services	GMSG-640	07/20/07	10:46 AM	30.24	68	0	--	--	--	0
Zam's Services	GMSG-640	10/19/07	11:37 AM	28.98	53	T	--	--	--	0
Zam's Services	GMSG-640	01/17/08	10:06 AM	29.71	27	T	--	--	--	0
Zam's Services	GMSG-640	04/28/08	11:20 AM	30.07	35	0	--	--	--	0
Zam's Services	GMSG-640	07/16/08	11:40 AM	30.11	82	0	--	--	--	0
Zam's Services	GMSG-640	10/14/08	2:46 PM	30.13	56	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Zam's Services	GMSG-640	01/29/09	2:18 PM	28.43	16	T	--	--	--	0
Zam's Services	GMSG-640	04/21/09	10:42 AM	28.22	35	T	--	--	--	0
Zam's Services	GMSG-640	07/28/09	2:17 PM	28.47	71	0	--	--	--	0
Zam's Services	GMSG-640	10/20/09	10:55 AM	28.85	45	0	--	--	--	0
Zam's Services	GMSG-640	04/26/10	2:18 PM	28.42	61	0	--	--	--	0
Zam's Services	GMSG-640	11/08/10	2:33 PM	28.61	57	0	--	--	--	0
Zam's Services	GMSG-640	10/29/12	1:27 PM	29.02	47	0	--	--	--	0
Zam's Services	GMSG-640	11/12/13	4:00 PM	29.20	28	0	--	--	--	0
Zam's Services	GMSG-640	08/22/14	1:40 PM	28.71	74	0	--	--	--	0
Zam's Services	GMSG-640	08/07/15	2:26 PM	28.64	66	T	--	--	--	0
Zam's Services	GMSG-641	10/25/06	2:38 PM	28.95	46	0	--	--	--	0
Zam's Services	GMSG-641	10/31/06	2:29 PM	28.64	37	0	--	--	--	0
Zam's Services	GMSG-641	11/10/06	9:57 AM	28.89	30	0.09	--	--	--	0
Zam's Services	GMSG-641	12/19/06	11:10 AM	29.03	33	0	--	--	--	0
Zam's Services	GMSG-641	02/01/07	1:55 PM	28.37	18	0	--	--	--	0
Zam's Services	GMSG-641	03/27/07	8:40 AM	29.00	46	0	--	--	--	0
Zam's Services	GMSG-641	04/06/07	1:20 PM	28.74	20	T	--	--	--	0
Zam's Services	GMSG-641	07/20/07	10:41 AM	30.24	68	0	--	--	--	0
Zam's Services	GMSG-641	10/25/07	8:50 AM	30.36	36	0	--	--	--	0
Zam's Services	GMSG-641	01/17/08	9:53 AM	29.71	27	T	--	--	--	0
Zam's Services	GMSG-641	04/28/08	11:16 AM	30.07	35	0	--	--	--	0
Zam's Services	GMSG-641	07/16/08	11:36 AM	30.11	82	0	--	--	--	0
Zam's Services	GMSG-641	10/14/08	2:50 PM	30.13	56	0	--	--	--	0
Zam's Services	GMSG-641	01/29/09	2:09 PM	28.43	16	T	--	--	--	0
Zam's Services	GMSG-641	04/21/09	11:00 AM	28.22	35	T	--	--	--	0
Zam's Services	GMSG-641	07/28/09	2:29 PM	28.47	71	0	--	--	--	0
Zam's Services	GMSG-641	10/20/09	11:03 AM	28.85	45	0	--	--	--	0
Zam's Services	GMSG-641	04/26/10	2:22 PM	28.42	61	0	--	--	--	0
Zam's Services	GMSG-641	11/08/10	2:29 PM	28.64	58	0	--	--	--	0
Zam's Services	GMSG-641	07/10/11	12:40 PM	28.57	83	0	--	--	--	0
Zam's Services	GMSG-641	10/29/12	1:23 PM	29.02	47	0	--	--	--	0
Zam's Services	GMSG-641	11/12/13	4:00 PM	29.20	28	0	--	--	--	0
Zam's Services	GMSG-641	08/22/14	1:48 PM	28.71	74	0	--	--	--	0
Zam's Services	GMSG-641	08/07/15	2:34 PM	28.65	65	T	--	--	--	0
Zam's Services	GMSG-642	10/25/06	2:34 PM	28.95	46	0	--	--	--	0
Zam's Services	GMSG-642	10/31/06	2:26 PM	28.64	37	0	--	--	--	0

Notes on Page 372.

Table 1
Commercial Soil Vapor Probe Data
Methane Response Activity Plan
Ford-Kingsford Products Facility
Kingsford, Michigan

Area	Vapor Probe	Date	Time	Weather Conditions ⁽¹⁾			Landtec Readings ⁽²⁾			MDU ⁽³⁾ (% LEL)
				Barometer (in. Hg)	Temp. (°F)	Precip. (in.)	CH ₄ (% vol)	CO ₂ (% vol)	O ₂ (% vol)	
Zam's Services	GMSG-642	11/10/06	9:53 AM	28.89	30	0.09	--	--	--	0
Zam's Services	GMSG-642	12/19/06	11:06 AM	29.03	33	0	--	--	--	0
Zam's Services	GMSG-642	02/01/07	1:45 PM	28.37	18	0	--	--	--	0
Zam's Services	GMSG-642	03/27/07	8:35 AM	29.00	46	0	--	--	--	0
Zam's Services	GMSG-642	04/06/07	1:23 PM	28.74	20	T	--	--	--	0
Zam's Services	GMSG-642	07/20/07	10:38 AM	30.24	68	0	--	--	--	0
Zam's Services	GMSG-642	10/19/07	11:20 AM	28.98	54	T	--	--	--	0
Zam's Services	GMSG-642	01/25/08	12:56 PM	30.14	24	0	--	--	--	0
Zam's Services	GMSG-642	04/28/08	11:14 AM	30.07	35	0	--	--	--	0
Zam's Services	GMSG-642	07/16/08	11:33 AM	30.11	82	0	--	--	--	0
Zam's Services	GMSG-642	10/14/08	2:53 PM	30.13	56	0	--	--	--	0
Zam's Services	GMSG-642	01/29/09	1:45 PM	28.43	16	T	--	--	--	0
Zam's Services	GMSG-642	04/21/09	11:05 AM	28.22	35	T	--	--	--	0
Zam's Services	GMSG-642	07/28/09	2:32 PM	28.46	71	0	--	--	--	0
Zam's Services	GMSG-642	10/20/09	11:05 AM	28.85	45	0	--	--	--	0
Zam's Services	GMSG-642	04/26/10	2:25 PM	28.42	61	0	--	--	--	0
Zam's Services	GMSG-642	11/08/10	2:26 PM	28.64	58	0	--	--	--	0
Zam's Services	GMSG-642	07/10/11	12:18 PM	28.59	79	0	--	--	--	0
Zam's Services	GMSG-642	10/29/12	1:19 PM	29.02	47	0	--	--	--	0
Zam's Services	GMSG-642	11/12/13	4:00 PM	29.20	28	0	--	--	--	0
Zam's Services	GMSG-642	08/22/14	1:55 PM	28.71	74	0	--	--	--	0
Zam's Services	GMSG-642	08/07/15	2:39 PM	28.65	65	T	--	--	--	0

General Notes:

- (1) = As measured at the Kingsford Airport. Data was obtained from the Midwestern Regional Climate Center.
- (2) = Data represents field measurements obtained using a Landtec gas meter (various models).
- (3) = Data represents field measurements obtained using an Industrial Scientific MDU420.

Acronyms and Abbreviations:

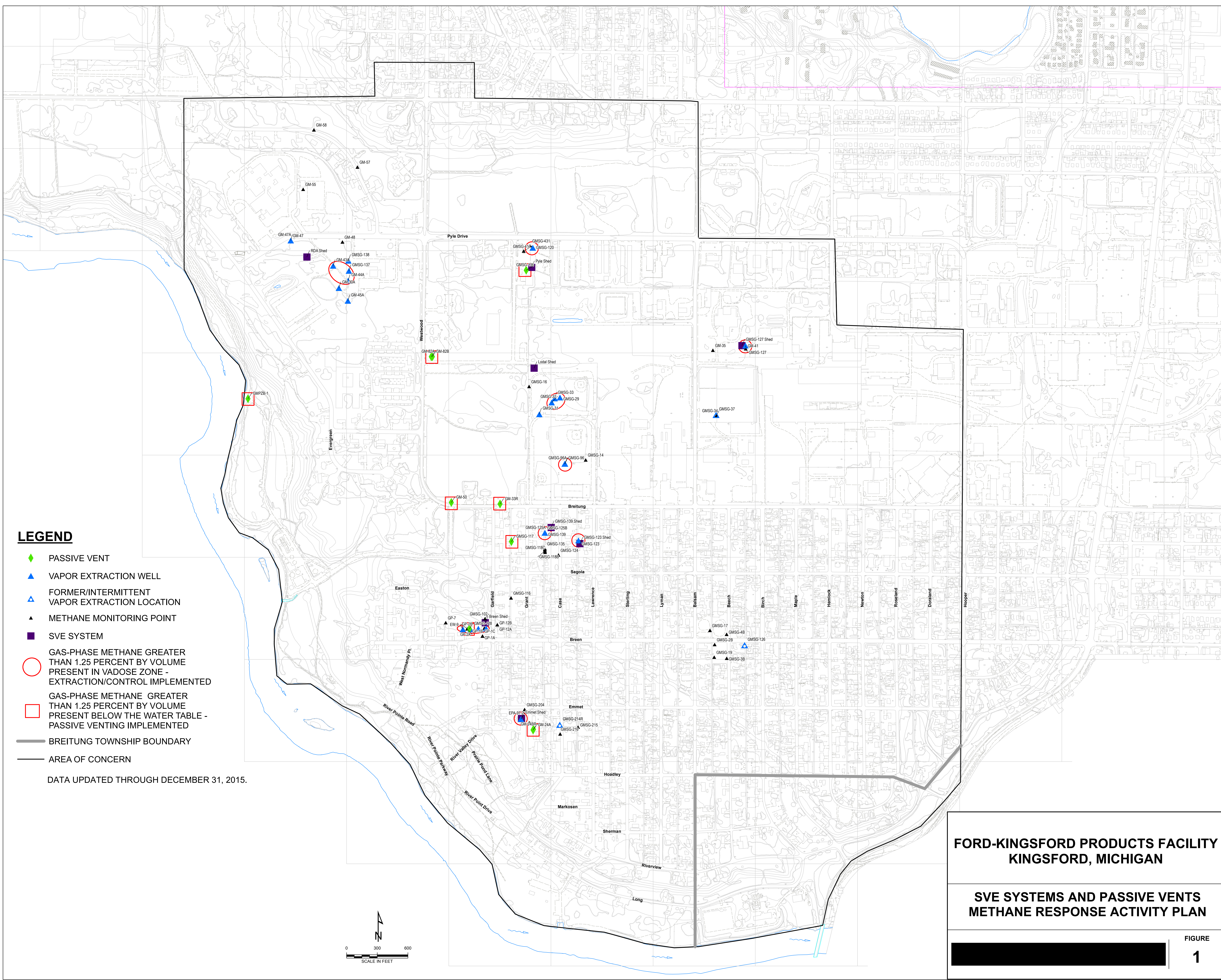
- = Data not available.
- % vol = Percent by volume.
- % LEL = Percent lower explosive limit.
- CH₄ = Methane.
- CO₂ = Carbon dioxide.
- °F = Degrees Fahrenheit.
- in. = Inches.

- in. Hg = Inches of mercury.
- O₂ = Oxygen.
- Precip. = Precipitation.
- T = Trace.
- Temp = Temperature.

Figures

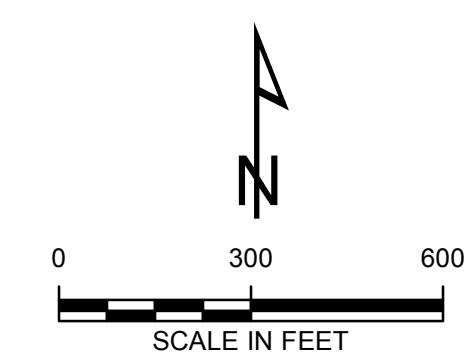


CITY OF MICHIGAN, DIVISION OF ENVIRONMENTAL QUALITY, PROJECT NUMBER: W0010000037, COORDINATE SYSTEM: NAD 1983 StatePlane Michigan North FIPS 2111 Feet
 COUNTY: CHEBOYGAN, LOCALITY: Kingsford, PROJECT NUMBER: W0010000037, COORDINATE SYSTEM: NAD 1983 StatePlane Michigan North FIPS 2111 Feet
 COUNTY: CHEBOYGAN, LOCALITY: Kingsford, PROJECT NUMBER: W0010000037, COORDINATE SYSTEM: NAD 1983 StatePlane Michigan North FIPS 2111 Feet



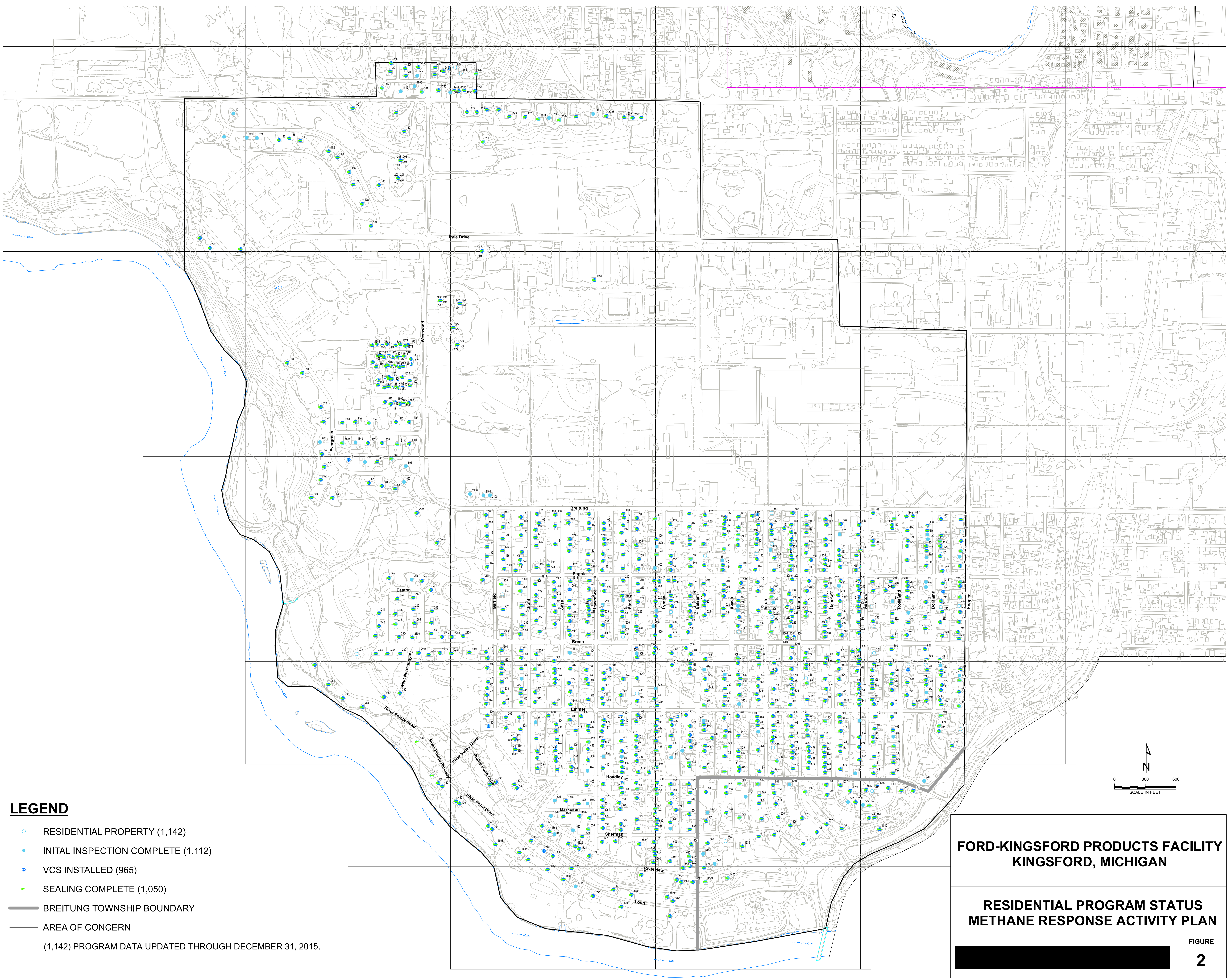
LEGEND

- ◆ PASSIVE VENT
 - ▲ VAPOR EXTRACTION WELL
 - ▲ FORMER/INTERMITTENT VAPOR EXTRACTION LOCATION
 - ▲ METHANE MONITORING POINT
 - SVE SYSTEM
 - GAS-PHASE METHANE GREATER THAN 1.25 PERCENT BY VOLUME PRESENT IN VADOSE ZONE - EXTRACTION/CONTROL IMPLEMENTED
 - GAS-PHASE METHANE GREATER THAN 1.25 PERCENT BY VOLUME PRESENT BELOW THE WATER TABLE - PASSIVE VENTING IMPLEMENTED
 - BREITUNG TOWNSHIP BOUNDARY
 - AREA OF CONCERN
- DATA UPDATED THROUGH DECEMBER 31, 2015.



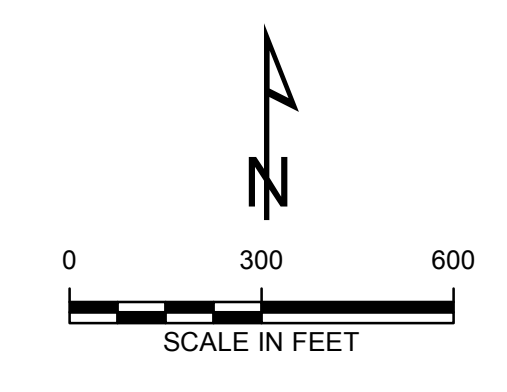
**FORD-KINGSFORD PRODUCTS FACILITY
KINGSFORD, MICHIGAN**

**SVE SYSTEMS AND PASSIVE VENTS
METHANE RESPONSE ACTIVITY PLAN**



LEGEND

- RESIDENTIAL PROPERTY (1,142)
 - INITIAL INSPECTION COMPLETE (1,112)
 - VCS INSTALLED (965)
 - SEALING COMPLETE (1,050)
 - BREITUNG TOWNSHIP BOUNDARY
 - AREA OF CONCERN
- (1,142) PROGRAM DATA UPDATED THROUGH DECEMBER 31, 2015.



**FORD-KINGSFORD PRODUCTS FACILITY
KINGSFORD, MICHIGAN**

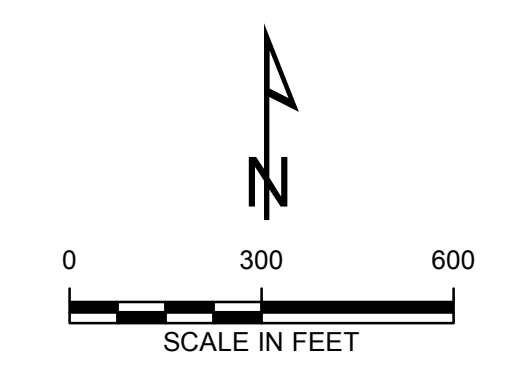
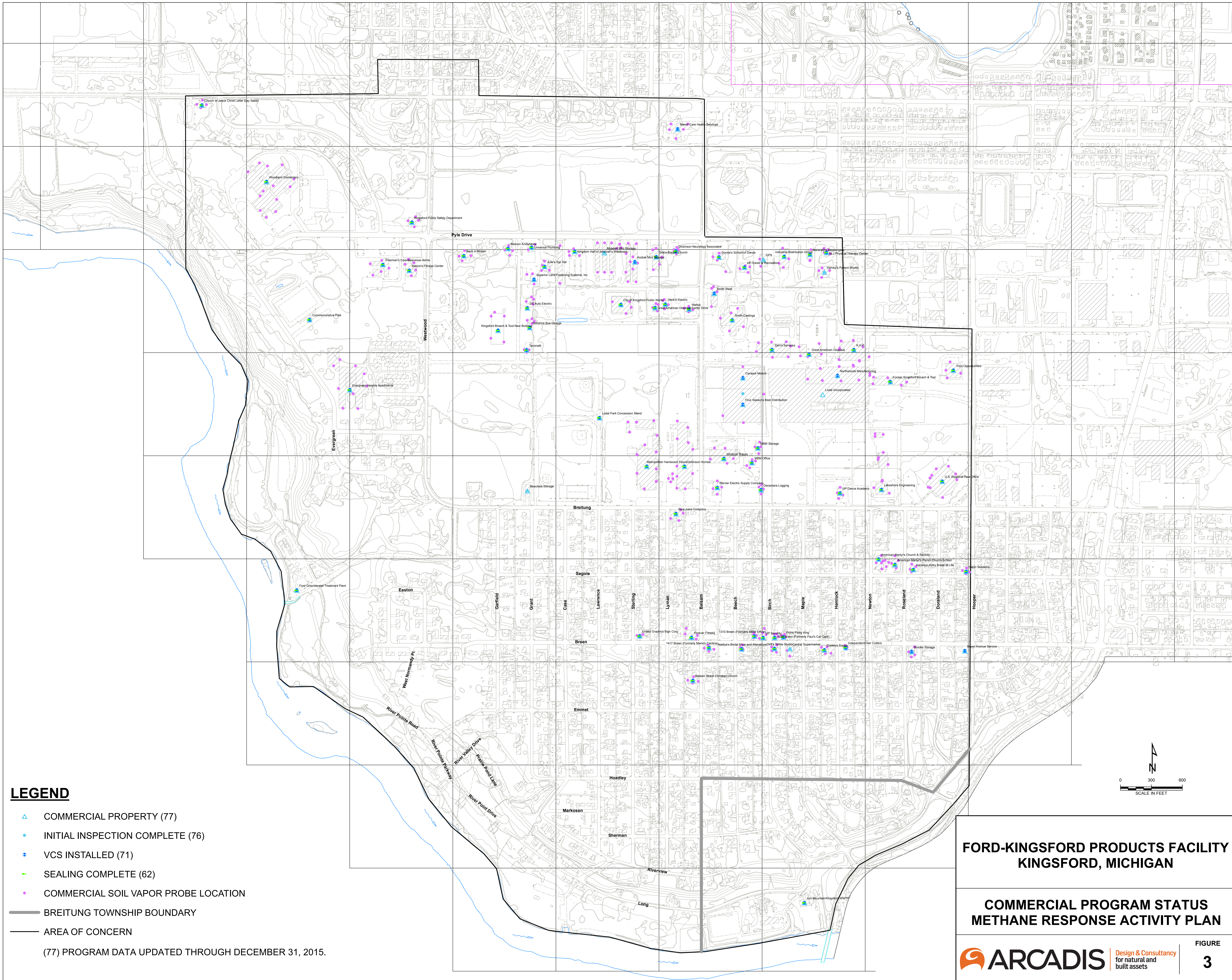
**RESIDENTIAL PROGRAM STATUS
METHANE RESPONSE ACTIVITY PLAN**



LEGEND

- ▲ COMMERCIAL PROPERTY (77)
- INITIAL INSPECTION COMPLETE (76)
- VCS INSTALLED (71)
- ▲ SEALING COMPLETE (62)
- COMMERCIAL SOIL VAPOR PROBE LOCATION
- BREITUNG TOWNSHIP BOUNDARY
- AREA OF CONCERN

(77) PROGRAM DATA UPDATED THROUGH DECEMBER 31, 2015.



**FORD-KINGSFORD PRODUCTS FACILITY
 KINGSFORD, MICHIGAN**

**COMMERCIAL PROGRAM STATUS
 METHANE RESPONSE ACTIVITY PLAN**

Appendix A

Restrictive Covenants



Smith Castings Declaration of Restrictive Covenant

**AMENDED AND RESTATED
DECLARATION OF RESTRICTIVE COVENANT**

This Amended and Restated Declaration of Restrictive Covenant has been recorded with the Dickinson County Register of Deeds for the purpose of protecting the public health, safety and welfare, and the environment by prohibiting or restricting activities that could result in unacceptable exposure to environmental contamination present at the property located in the City of Kingsford, County of Dickinson, State of Michigan, which property is often referred to as Smith Castings ("Property") and legally described in Exhibit A hereto. This Amended and Restated Declaration of Restrictive Covenant amends and restates the Declaration of Restrictive Covenant signed by Eric Frantz, President of Nordic Properties, Inc. on behalf of Nordic Properties, Inc., and recorded on September 19, 2007 as Liber 635, Page 129, Dickinson County Register of Deeds, as amended by that certain First Amendment to Declaration of Restrictive Covenant dated April 28, 2008 and recorded on April 28, 2008 as Liber 650, Page 735, Dickinson County Register of Deeds. The Property (owned by Nordic Properties, Inc.) is associated with the Ford-Kingsford Products Facility (Court Case No. 04-1427-CE) for which an Interim Response Action has been conducted. The response activities that are being implemented to address environmental contamination are fully described in the Former Plant Site Interim Response Action Plan (IRAP) and Construction Documentation Report dated August 9, 2007, and submitted by ARCADIS G&M, Inc. on behalf of Ford Motor Company ("Ford") and The Kingsford Products Company LLC ("KPC"), with which the property owner concurs. The Michigan Department of Environmental Quality ("MDEQ") approved the IRAP in a letter dated XXXX XX, 2007, pursuant to Part 201 of the Natural Resources and Environmental Protection Act ("NREPA"), 1994 PA 451, as amended, MCL 324.20101 *et seq.* Ford and KPC intend to incorporate the IRAP into a Remedial Action Plan (RAP).

The IRAP requires the recording of this Restrictive Covenant with the Dickinson County Register of Deeds to 1) restrict unacceptable exposures to hazardous substances located on the property; 2) assure that the use of the Property is consistent with the exposure assumptions utilized in the development of cleanup criteria pursuant to Section 20101 of the NREPA and the exposure control measures relied upon in the IRAP, including the concrete floor slab (Barrier System); and 3) to prevent damage or disturbance of any element of the response activity constructed on the Property. The restrictions contained in this Restrictive Covenant are based upon information available to the MDEQ at the time the IRAP was approved by the MDEQ. Failure of the response activities to achieve and maintain the criteria, exposure controls, and requirements specified in the IRAP; future changes in the environmental condition of the Property or changes in the cleanup criteria developed under Sections 20120a(1) and 21304a of NREPA; the discovery of environmental conditions at the Property that were not accounted for in the IRAP; or use of the Property in a manner inconsistent with the restrictions described herein, may result in this Restrictive Covenant not being protective of public health, safety, and welfare, and the environment. Exhibit B provides a survey of the Property that is subject to the land use or resource use restrictions specified herein.

Waste removal activities have been conducted at the Property in accordance with the IRAP. Identified waste material has been removed from the Property; however, the potential for additional waste material to be discovered exists. A Waste Management Plan, included as Exhibit D, has been prepared to address the handling of potential additional waste material. Additionally, a portion of the Property has a concrete floor slab which serves as a Barrier System. Please see Figure 1, which illustrates the Property, including the Barrier System.

135P

Dolly Cook
Dickinson County
Page 1 of 135 1 GL 744/189
NMJ Date 01/26/2012 Time 09:42:48

Summary of Response Activities

Areas of the Property described in Exhibits A and B contain hazardous substances in excess of the concentrations developed as the unrestricted residential criteria under Section 20120a(1)(a) or (17) of the NREPA that have not been addressed through response activities undertaken pursuant to the MDEQ-approved IRAP. The MDEQ recommends that prospective purchasers or users of the Property undertake appropriate due diligence prior to acquiring or using this Property, and undertake appropriate actions to comply with the requirements of Section 20107a of the NREPA.

For a more in-depth description of the affected media, the nature of the hazardous substances and how the response activities address unacceptable risks for all relevant pathways, see the IRAP discussed above, copies of which can be obtained from the property owner, the MDEQ and at the repository located at the Dickinson-Iron Mountain Public Library.

Definitions

"MDEQ" means the Michigan Department of Environmental Quality, its successor entities, and those persons or entities acting on its behalf.

"Owner" means at any given time the then current title holder of the Property or any portion thereof.

All other terms used in this document which are defined in Part 3, Definitions, of the NREPA; Part 201 of the NREPA; or the Part 201 Administrative Rules ("Part 201 Rules"), 1990 AACRS R 299.5101 *et seq.* shall have the same meaning in this document as in Parts 3 and 201 of the NREPA and the Part 201 Rules, as of the date of filing of this Restrictive Covenant.

NOW THEREFORE,

Declaration of Land Use or Resource Use Restrictions

Pursuant to the IRAP, the Owner hereby declares and covenants that the Property shall be subject to the following restrictions and conditions:

1. The Owner shall prohibit all uses of the Property that are not compatible with the land use categories of Industrial and Commercial II, III and IV, as defined in Section 20120a(1) of Part 201 of NREPA, and the MDEQ, Operational Memorandum #18, Revision 1, dated June 7, 2000. See Exhibit C for descriptions of the land use categories of Industrial and Commercial II, III and IV. All other uses of the Property, including residential use, are strictly prohibited. Cleanup criteria and associated land-use descriptions are located in the Government Documents section of the State of Michigan Library.
2. The Owner shall prohibit the following activities:
 - A. Prohibited Activities on the Entire Property:
 - The use or removal of any groundwater located beneath the Property for any purpose shall be prohibited, except for activities associated with environmental response and/or approved in writing by the MDEQ.
 - Excavation and digging activities on the Property that encounter impacted soils or waste shall be conducted in accordance with the Property's Waste Management Plan and Construction Health and Safety Plan Guideline, attached as Exhibits D and E.

- All activities on the Property shall be conducted in a manner that does not damage, remove or otherwise tamper with any monitoring wells or vapor probes located on the Property, unless otherwise permitted in writing by the MDEQ.

B. Prohibited Activities on the Barrier System:

- The Barrier System shall not be removed, all or in part, unless strictly performed in conformance with the restrictions in this Restrictive Covenant, or unless otherwise approved by the MDEQ. The Barrier System shall be maintained in perpetuity, and any and all construction activities upon areas encompassing the Barrier System shall be conducted in accordance with the Operation and Maintenance Plan, attached as Exhibit F. Any excavation or other intrusive activity that could affect the integrity of the Barrier System are prohibited, unless related to the maintenance or operation of the Barrier System. Signage shall be maintained that describe the restricted area of the Property and the nature of the restrictions, attached as Exhibit G. Exhibit F may be amended and/or modified from time to time, and if so, a revised Exhibit F will be recorded with the Register of Deeds to reflect such amendments or modifications. The submission of a revised Exhibit F shall not require approval or an amendment to this Restrictive Covenant.

C. Prohibited Activities on Areas Not Part of the Barrier System:

Upon the portion of the Property that is not a part of the Barrier System, the Owner declares the following additional restriction:

- Any confined structures built shall be equipped with a vapor control system constructed in accordance with the specifications outlined in the document entitled "Guidelines for Vapor Control System Installation, Ford-Kingsford Products Facility" dated January 21, 2005, attached as Exhibit H.
- The Owner shall prohibit activities on the Property that may interfere with any element of the IRAP or RAP, including the performance of operation and maintenance activities, monitoring, or other measures necessary to ensure the effectiveness and integrity of the IRAP.
- Signage. The Owner shall not remove, cover, obscure, or otherwise alter or interfere with the signage placed at the locations noted in Exhibit G.
- Contaminated Soil Management. The Owner shall manage all soils, media and/or debris located on the Property in accordance with the applicable requirements of Section 20120c of the NREPA; Part 111, Hazardous Waste Management, of the NREPA; Subtitle C of the Resource Conservation and Recovery Act, 42 U.S.C. §6901 *et seq.*; the administrative rules promulgated thereunder; and all other relevant state and federal laws. These materials shall also be managed in accordance with the Property's Waste Management Plan and Construction Health and Safety Plan Guideline, attached as Exhibits D and E.
- Access. The Owner shall grant Ford, KPC, and their contractors and subcontractors, including but not limited to, ARCADIS G&M, Inc., access to the Property to perform whatever environmental response actions may be requested or required by the MDEQ or determined to be appropriate by Ford and KPC. The environmental response actions which may be requested or required on the Property, include, but are not limited to (a) installation, maintenance and/or monitoring of vapor control system(s); (b) installation, maintenance and/or monitoring of any active or passive venting system(s); (c) installation, maintenance and/or monitoring of vapor probes and groundwater monitoring wells; (d) installation, inspection, maintenance and/or monitoring of methane detectors;

and (e) inspection and sealing of any cracks in the foundation or on the lowest floor of any improvements on the Property.

The Owner shall allow the MDEQ, Ford, KPC and their authorized employees, agents, representatives, contractors, subcontractors and consultants to enter the Property at all reasonable times, upon presentation of proper credentials and upon making a reasonable effort to contact the person in charge of the Property, for the purpose of conducting any activity for which access is required for the implementation of response action with respect to the presence of methane or other constituents at the Property or to otherwise fulfill any responsibility under federal or state law including, but not limited to, the following:

- (1) Monitoring response activities or any other activities taking place on the Property with respect to methane or other substances;
- (2) Verifying any data or information submitted to the MDEQ related to methane or other substances;
- (3) Assessing the need for, planning, or conducting investigations relating to methane or other substances;
- (4) Obtaining samples related to methane or other substances;
- (5) Assessing the need for, planning, or conducting, response activities at or near the Property,
- (6) Assessing compliance with requirements for the performance of monitoring, operation and maintenance, or other measures necessary to assure the effectiveness and integrity of a remedial action related to methane or other substances;
- (7) Inspecting and copying non-privileged records, operating logs, contracts, or other documents relating to methane or other substances;
- (8) Communicating with Ford and KPC's representatives, or consultants for the purpose of assessing compliance with any court order or the Consent Judgment entered on October 26, 2004;
- (9) Determining whether the Property is being used in a manner that is or may need to be prohibited or restricted pursuant to any IRAP, IRDC, RAP or Consent Judgment related to methane or other substances; and
- (10) Assuring the protection of public health, safety, welfare and the environment with respect to methane or other substances.

The Owner agrees that it will execute any documents required for the remedy on the Property, including but not limited to, a concurrence for any response action, or consent to any restrictive covenant, notice of approved environmental remediation, or other document necessary for a remedial action plan or interim response activity plan related to the Property.

3 Notices

A. Notice of Intent to Transfer Property.

The Owner shall provide notice to the MDEQ and Ford and KPC of the Owner's intent to transfer any interest in the Property at least fourteen (14) business days prior to consummating the conveyance.

A conveyance of title, an easement, or other interest in the Property, shall not be consummated by the Owner without adequate and complete provision for compliance with the terms and conditions of this Restrictive Covenant and the applicable provisions of Section 20116 of the NREPA. The notice required to be made to the MDEQ under this Paragraph shall be made to: Director, MDEQ, P.O. Box 30473, Lansing, Michigan 48909-7973; and shall include a statement that the notice is being made pursuant to the requirements of this Restrictive Covenant, and a reference to the property description. A copy of this Restrictive Covenant shall be provided to all future owners, heirs, successors, lessees, easement holders, assigns, and transferees by the person transferring the interest.

B. Notice of Disturbance of Remedial Measures.

The Owner shall notify Ford, KPC or their designee of the type, cause, location and date of any disturbance to any remedial measures taken or remedial equipment, including the Barrier System and the groundwater monitoring wells, installed on the Property pursuant to the IRAP or a RAP which could affect the ability of such remedial measures, remedial equipment, or monitoring system to perform their respective functions. Notification shall be provided via verbal discussion, facsimile or electronic mail correspondence within 24 hours of the discovery of any such disturbance to the following:

If to Designee:

Ford-Kingsford Products Facility Project Coordinator
Att.: Richard L. Studebaker, Jr., P.E.
ARCADIS G&M, Inc.
126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
(414) 276-7742
(414) 276-7603 (fax)
rstudebaker@arcadis-us.com

With a Copy to:

Dickinson Wright PLLC
500 Woodward Avenue, Suite 4000
Detroit, MI 48226
(313) 223-3500
(313) 223-3598 (fax)

If to Ford:

David Miller
Fairlane Plaza North
290 Town Center Drive
Dearborn, MI 48126
(313) 322-3761
(313) 248-5030 (fax)
dmiller2@ford.com

General Counsel
Ford Motor Company
World Headquarters
One American Road, Room 407-A2
Dearborn, MI 48126
(313) 845-8476
(313) 390-3308

With a Copy to:

Dickinson Wright PLLC
500 Woodward Ave, Suite 4000
Detroit, MI 48226-3425
(313) 223-3500
(313) 223-3698 (fax)

Ford-Kingsford Products Facility Project Coordinator
Att.: Richard L. Studebaker, Jr., P.E.
ARCADIS G&M, Inc.
126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
(414) 276-7742
(414) 276-7603 (fax)
rstudebaker@arcadis-us.com

If to KPC:

J. David Langford
Associate Vice President Burns & McDonnell Engineering Company, Inc.
9400 Ward Parkway
Kansas City, MO 64141
(816) 822-3175
(816) 822-3494 (fax)
jlang@burnsmcd.com

General Counsel
The Kingsford Products Company
1221 Broadway, 24th Floor
Oakland, CA 94612
(510) 271-7000
(510) 271-1696 (fax)

With a Copy to:

Michael L. Robinson
Warner Norcross & Judd LLP
111 Lyon Street, NW, Suite 900
Grand Rapids, Michigan 49053
(616) 752-2128
(616) 222-2128 (fax)
mrobinson@wnj.com

Ford-Kingsford Products Facility Project Coordinator
Att.: Richard L. Studebaker, Jr., P.E.
ARCADIS G&M, Inc.
126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
(414) 276-7742
(414) 276-7603 (fax)
rstudebaker@arcadis-us.com

4. Term and Enforcement of Restrictive Covenant.

The State of Michigan, through the MDEQ, and Ford and KPC or their agents or assigns may enforce the restrictions set forth in this Restrictive Covenant by legal action in a court of competent jurisdiction.

This Restrictive Covenant shall run with the Property, and shall be binding upon the Owner, future owners, and all current and future successors, lessees, easement holders, their assigns and their authorized agents, employees, or persons acting under their direction and control, of all or any portion of each of the parcels which comprise the Property. It shall be the obligation of each and every Owner of any portion of the Property to provide a copy of this Restrictive Covenant to all of its heirs, successors, lessees, assigns and transferees of an interest in the Property. Recordation of this Restrictive Covenant shall be deemed binding on all successors, assigns, future owners of any interest in the Property, and lessees, regardless of whether a copy of this Restrictive Covenant has been attached or incorporated into any given deed, transfer document or lease.

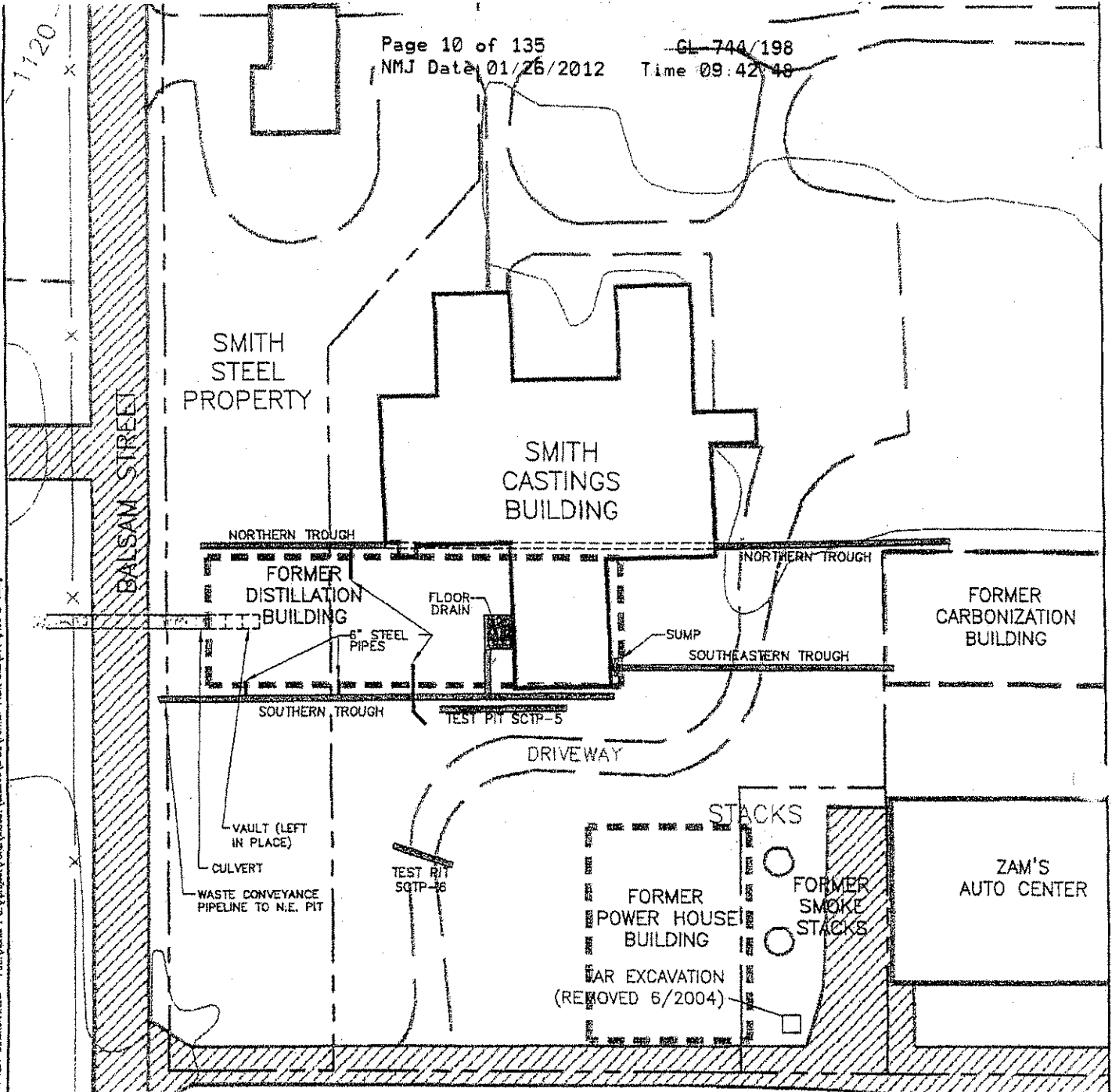
This Restrictive Covenant may only be modified or rescinded with the written approval of the MDEQ, Ford and KPC except as specifically set forth herein.

5. Severability. If any provision of this Restrictive Covenant is held to be invalid by any court of competent jurisdiction, the invalidity of such provision shall not affect the validity of any other provisions hereof. All such other provisions shall continue unimpaired in full force and effect.
6. Authority to Execute Restrictive Covenant. The undersigned person executing this Restrictive Covenant has the express written permission of the Owner and represents and certifies that he or she is duly authorized and has been empowered to execute and deliver this Restrictive Covenant.

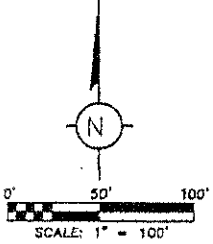
[Remainder of page intentionally left blank].

FIGURE 1

MAP OF THE PROPERTY



User Name: arcadis (US Tech)
 Job Number: 187136
 Current Plot: 09 Color
 Date/Time: Thu, 08 Aug 2007 - 2:37pm
 Plot Scale: 5000:1
 Plot Name: A-133-B-1-01.dwg
 Plot Name: 2-1.dwg
 Former Plant: SVA/RAV/PDS 2-1.dwg



LEGEND	
	PROPERTY BOUNDARIES
	HISTORICAL PLANT BUILDINGS (EXISTING)
	HISTORICAL PLANT BUILDINGS (DEMOLISHED)
	CONCRETE TROUGH (REMOVED)
	ESTIMATED TROUGH/PIPELINE LOCATION
	CONCRETE CULVERT

ARCADIS



126 North Jefferson Street, Suite 400
 Milwaukee, Wisconsin 53202
 Tel: (414) 276-7742 Fax: (414) 276-7603

LOCATION OF CONCRETE TROUGHS

FORMER PLANT SITE IRAP AND
 CONSTRUCTION DOCUMENTATION REPORT
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE
 1

EXHIBIT A

LEGAL DESCRIPTION OF THE PROPERTY

LEGEND

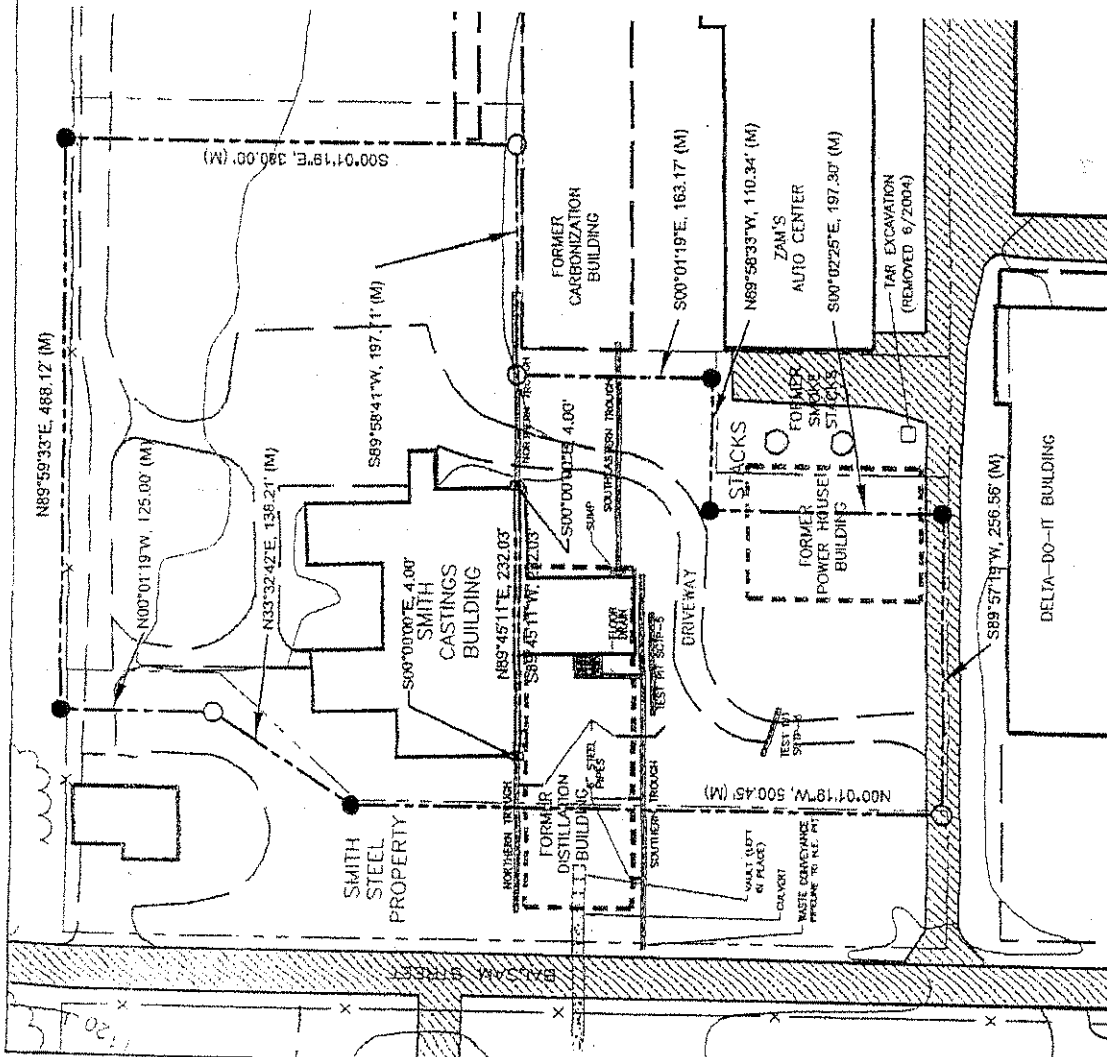
- SURVEYED PROPERTY BOUNDARY
- HISTORICAL PROPERTY BOUNDARIES
- HISTORICAL PLANT BUILDINGS (EXISTING)
- HISTORICAL PLANT BUILDINGS (DEMOLISHED)
- CONCRETE TROUGH (REMOVED)
- ESTIMATED TROUGH/PIPELINE LOCATION
- CONCRETE CULVERT

LEGAL DESCRIPTION OF PROPERTY BOUNDARY:

A parcel of land being part of the Southwest 1/4 of the Northwest 1/4 of Section 1, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as: Connecting at the Northwest corner of Section 1; thence S00°01'19"E, 1820.42 along the West line of Section 1; thence N89°59'33"E, 219.82 to the Point of Beginning; thence continuing N89°59'33"E, 468.12; thence S00°01'19"E, 369.60; thence S89°58'41"W, 197.74; thence S00°01'19"E, 163.17; thence N89°58'33"W, 110.34; thence S90°02'25"E, 197.30; thence S89°57'19"W, 256.56; thence N00°01'19"W, 500.45; thence N33°32'42"E, 136.21; thence N00°01'19"W, 125.00 to the Point of Beginning containing 7.1411 Acres and subject to restrictions, reservations rights-of-way and easements of record.

LEGAL DESCRIPTION OF CONCRETE TROUGH:

A parcel of land being part of the Southwest 1/4 of the Northwest 1/4 of Section 1, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as: Commencing at the Northwest corner of Section 1; thence S00°01'19"E, 2301.29 along the West line of Section 1; thence N89°45'11"E, 186.34 to the Point of Beginning; thence continuing N89°45'11"E, 232.03; thence S00°00'00"E, 4.00; thence S89°45'11"W, 232.03; thence N00°06'00"E, 4.00 to the Point of Beginning containing 0.0213 Acres and subject to restrictions, reservations rights-of-way and easements of record.



<p>FORMER PLANT SITE MAP AND CONSTRUCTION DOCUMENTATION REPORT FORD/KINGSFORD SITE KINGSFORD, MICHIGAN</p>	<p>PROJECT MANAGER K. STEINMEYER</p>	<p>DESIGNER S. GLENN</p>	<p>DATE PLOTTED 1/26/2012</p>	<p>PROJECT NUMBER WOOD1125</p>	<p>CREATED BY C. MCNEEL</p>
	<p>LEGAL DESCRIPTION RESTRICTIVE COVENANT</p>	<p>SCALE IN FEET 0 50 100</p>	<p>PROJECT NUMBER WOOD1125</p>	<p>PROJECT NUMBER WOOD1125</p>	<p>PROJECT NUMBER WOOD1125</p>

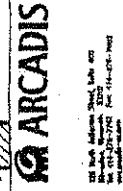


EXHIBIT B

SURVEY OF THE PROPERTY

CERTIFICATE OF SURVEY

PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 1, T39N-R31W, CITY OF KINGSFORD,
DICKINSON COUNTY, MICHIGAN.

Page 14 of 135

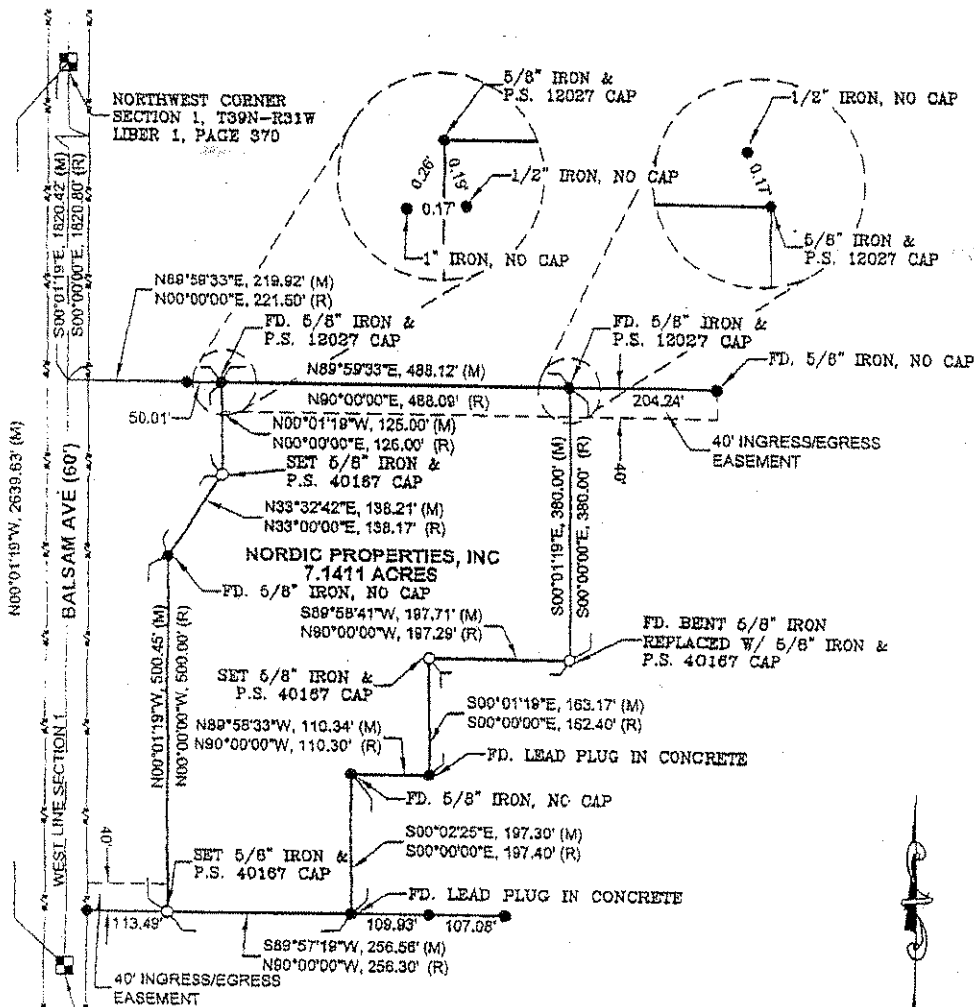
NMJ Date 01/26/2012

GL 744/202
Time 09:42:48

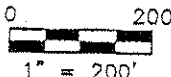
LEGAL DESCRIPTION:

A parcel of land being part of the Southwest 1/4 of the Northwest 1/4 of Section 1, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:

Commencing at the Northwest corner of Section 1; thence S00°01'19"E, 1820.42' along the West line of Section 1; thence N89°59'33"E, 219.92' to the Point of Beginning; thence continuing N89°59'33"E, 488.12'; thence S00°01'19"E, 380.00'; thence S89°58'41"W, 197.71'; thence S00°01'19"E, 163.17'; thence N89°58'33"W, 110.34'; thence S00°02'25"E, 197.30'; thence S89°57'19"W, 256.56'; thence N00°01'19"W, 500.45'; thence N33°32'42"E, 138.21'; thence N00°01'19"W, 125.00' to the Point of Beginning containing 7.1411 Acres and subject to restrictions, reservations rights-of-way and easements of record.



BEARINGS BASED ON THE MICHIGAN STATE PLANE
COORDINATE SYSTEM NORTH ZONE (2111) NAD 83/84



SURVEYOR'S CERTIFICATE

I hereby certify that I have surveyed and mapped the land above platted and/or described on June 21, 2007, and that the ratio of closure on the unadjusted field observations was 0.03' in 3298.86' and that all the requirements of P.A. 132 of 1970 as amended have been complied with.

STS Consultants, Ltd.

BY: Steven D. Koss DATE: 7/23/07
Steven D. Koss PS No. 40187

THIS IS AN ORIGINAL SURVEY DOCUMENT IF SIGNED IN BLUE.



STS CONSULTANTS
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Marquette, MI
906-228-2333
www.stsconsultants.com
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LEGEND		Drawn: CLC
●	Found Iron	Date: 07/13/2007
○	Set 5/8" Iron W/R.S. Cap #: 40187	Scale: 1" = 200'
□	Found Concrete Monument	PROJECT NUMBER X210092
◇	Set Concrete Monument	SHEET NUMBER 1 OF 2
R	RECORDED	
M	MEASURED	
G	GOVERNMENT CORNER	

EXHIBIT C

INDUSTRIAL LAND USE CATEGORY

Industrial land use may be defined in either of the following two ways:

1. The primary activity at the facility is and will continue to be industrial in nature (e.g., manufacturing; utilities; industrial research and development, petroleum bulk storage) and access is reliably restricted consistent with its use (e.g., by fences, security personnel, or both). The industrial category does not include farms, gasoline service stations, or other commercial establishments where children may commonly be present. Inactive or abandoned sites are included if the property use was industrial, as described above.
2. The current zoning of the property is industrial, the zoning is anticipated to be industrial (see below), or the RAP includes documentation that the current industrial use is a legal non-conforming use. This may include different zoning designations, depending on the community, such as "light industrial" or "heavy industrial."

COMMERCIAL LAND USE CATEGORY

A commercial site would include sites with the following characteristics:

1. The primary activity at the property is and will continue to be commercial in nature (e.g., retail, warehouse, office/business space). This could include abandoned or inactive commercial properties as long as they fit both the definition of a commercial land use and one of the subcategory definitions (see below).
2. The current zoning of the property is commercial, future zoning is anticipated to be commercial, or the current commercial use is a legal nonconforming use. This may include different zoning designations, depending on the community, such as "community commercial," "regional commercial," "retail," or "office-business."

Subcategory II – This commercial land use subcategory is characterized by the following features. Access to the public is reliably restricted, consistent with its use, by fences, security, or both. Affected surficial soils are located in unpaved or landscaped areas that are frequently contacted by worker populations such as groundskeepers, maintenance workers, or other employees whose primary duties are performed outdoors.

This subcategory could include, but is not limited to, the following uses:

- Large-scale commercial warehouse operations
- Wholesale lumber yards
- Building supply warehouses

The degree of exposure for such employees under subcategory II property is assumed to be equivalent to the exposures used to model outdoor activities in the development of the generic industrial criteria. As a result, a unique set of generic criteria has not been defined for this subcategory of commercial land use. Properties which fall into this subcategory should be addressed through the application of the generic industrial criteria or through a facility-specific assessment.

Subcategory III – A subcategory III commercial property is characterized by the following features. Access to the public is unrestricted, however, the general public's occupancy of the property is expected to be intermittent and significantly less in frequency and duration relative to the population working at the facility. Although some of the activities for both worker populations and the general public at a subcategory III commercial property are conducted indoors, a significant component of their activity will likely be outdoors. Affected surficial soils are located in unpaved or landscaped areas that may be

contacted frequently, primarily by the worker populations (as may be the cases at gas stations, auto dealerships, or building supply warehouses with unpaved or landscaped areas).

This subcategory could include, but is not limited to, the following uses:

- Retail gas stations
- Auto Service stations
- Auto dealerships
- Retail warehouses selling the majority of their merchandise indoors but including some limited storage or stockpiling of materials in an outdoor yard (building supply, retail flower and garden shops not involving on site plant horticulture and excluding open air nurseries, tree farms, and sod farms which would fall into an agricultural land use).
- Repair and service establishments including but not limited to, lawn mower, boat, snowmobile, or small appliance repair shops that have small outdoor yards.
- Small warehouse operations

Subcategory IV – A subcategory IV commercial site is characterized by the following features. Access to the public is unrestricted, however, the general public's occupancy of the facility is intermittent in frequency and of short duration relative to the worker populations resident at the facility (i.e., the frequency and duration of general public occupancy at the property is typified by the time necessary to transact business at a retail establishment or to receive personal services). The predominant activities performed by both workers and the general public at this type of commercial property are conducted indoors. Affected surficial soils are located in unpaved or landscaped areas that are contacted by worker populations on a occasional basis, such as outdoor break or eating areas. General public contact with these areas is anticipated to be significantly less than the work's contact, both in terms of frequency and duration.

This subcategory could include, but is not limited to, the following uses:

- Professional offices (lawyers, architects, engineers, real estate, insurance, etc.)
- Medical/dental offices and clinics (not including hospitals)
- Banks, credit unions, savings and loan institutions, etc.
- Publicly owned office buildings
- Any retail business whose principal activity is the sale of food or merchandise within an enclosed building
- Personal service establishments which perform services indoor (health clubs, barber/beauty salons, mortuaries, photographic studios, etc).

EXHIBIT D

WASTE MANAGEMENT PLAN

Exhibit D
Waste Management Plan

Smith Castings Property
Ford/Kingsford Site
Kingsford, Michigan

PREPARED FOR

Ford Motor Company
The Kingsford Products Company

Table of Contents

1. Introduction	1
1.1 Purpose and Scope	1
2. Background	3
2.1 Site Description	3
2.2 Site Assessment	3
2.3 Methane Gas	4
2.4 Interim Response Summary	4
2.5 Waste Materials Removed	4
2.5.1 Waste Material Left in Place	5
2.5.2 Methane Mitigation	6
3. Future Work	7
3.1 Excavation, Backfilling, and Grading	7
3.1.1 Clearing and Grubbing	7
3.1.2 Excavation and Backfilling	7
3.2 Solid Waste	8
3.2.1 Waste Material	8
3.3 Stormwater Management	8
3.4 Construction Stormwater, Sediment, and Erosion Control Practices	9
3.4.1 Silt Fences	10
3.4.2 Diversion Ditches	10
3.4.3 Check Dams	10
3.4.4 Temporary Construction Entrances	11
4. Employee Training	12
5. Emergency Response	13
5.1 Spill Prevention	15
6. Implementation	16
7. WMP Approvals	17

Figure

D2-1 Site Location Map, Smith Castings Property, Ford/Kingsford Site, Kingsford, Michigan.

**Exhibit D
Waste Management
Plan**

Smith Castings Property
Ford/Kingsford Site
Kingsford, Michigan

1. Introduction

This Waste Management Plan (WMP) has been prepared for use in conjunction with implementation of the Restrictive Covenant for the Smith Castings Property at the Ford/Kingsford Products Site (KPS) in Kingsford, Michigan. Waste generated at the Smith Castings Property during the implementation of the Interim Response and in future work conducted at the Smith Castings Property will be handled in accordance with this plan. This document is organized to provide background information for the site, present the Interim Response implementation waste management plan, and present the approach for future waste management, in the event that construction work takes place after the Interim Response construction has been completed. This WMP has been developed in compliance with Natural Resource and Environmental Protection Act, Act 451 of 1994. If any conditions or scope of work covered by the WMP change, a site-specific addendum will be generated prior to the beginning of any work. All work will be performed in accordance with applicable federal, state, and local regulations.

1.1 Purpose and Scope

The objective of this WMP is to provide a framework for management of waste generated from intrusive construction activities (subsurface utility work, drilling, excavation, or construction) that disturb waste or impacted soil within the Smith Castings Property. The depth at which there is the potential for soil and waste to be disturbed is greater than 6 inches. The only known location of waste materials at the site is in an inaccessible trough structure under the present Smith Castings building. This WMP describes the methods and protocol that will be implemented for removal and disposal of waste, as set forth in Part 115, Solid Waste Management, and Part 91, Soil Erosion and Sedimentation Control, of the NREPA. This WMP is to be used in conjunction with the Smith Castings Construction Health and Safety Plan (CHASP) Guideline and the Smith Castings Operation and Maintenance Plan.

Elements of this WMP address the following:

- Excavation, Filling, and Grading.
- Disposal of Generated Waste.
- Stormwater, Sediment, and Erosion Control Practices.

**Exhibit D
Waste Management
Plan**

Smith Castings Property
Ford/Kingsford Site
Kingsford, Michigan

- Safety, Health, and Emergency Response.
- Waste Management Team.

The WMP defines the manner in which material generated from the construction activities will be managed. Specifically, this plan addresses:

- Potential types of waste material generated.
- Stormwater management approach.
- Spill prevention.

2. Background

2.1 Site Description

The City of Kingsford is located in southwestern Dickinson County, in the western part of Michigan's Upper Peninsula. The City is bounded by the Menominee River on the west and south, by the City of Iron Mountain on the north, and by Breitung Township on the east. The Smith Castings Property is located approximately 300 feet east of Balsam Street and approximately 800 feet south of Pyle Drive. The location of the Smith Castings Property is shown in D2-1. The Smith Castings Property is located in a relatively flat upland area called the Upper Terrace, approximately 5,000 feet east of the Menominee River. Land use near the Smith Castings Property is primarily industrial and commercial, and the area is zoned industrial. Properties to the east of the Smith Castings property are owned by Zam's Automotive, City of Kingsford, and a vacant property owned by Smith Steel. The property is bound to the west by Smith Steel property. To the north of the Smith Castings Property are several commercial properties and vacant city property and the Delta-Do It Center Property is located south of the Smith Castings Property.

2.2 Site Assessment

Investigations of the Smith Castings Property were initiated by ARCADIS in 1997. These investigations include the drilling of soil gas vapor probes and groundwater monitoring wells on and adjacent to the Smith Castings Property. Based on analytical results from these investigations, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals have not been identified in the soils or the shallow groundwater at the site with concentrations above the Michigan Part 201 criteria. Visual observance of small quantities of a tar-like substance at the ground surface at the Smith Castings Property prompted additional investigation work beginning in December 2001. Based on analytical results from these investigations, VOCs, SVOCs, and metals have been identified at the site with concentrations above the Michigan Part 201 criteria. The Former Plant Site Interim Response Action and Construction Documentation Report (IRAP) presents site assessment results and specific information with respect to the constituents that are above the Michigan Part 201 criteria. Methane may also be present within the Smith Castings Property. The biodegradation of organic material in the groundwater is the primary source of methane gas throughout the Ford/KPC site; however, biodegradation of organics in the waste

**Exhibit D
Waste Management
Plan**

Smith Castings Property
Ford/Kingsford Site
Kingsford, Michigan

material in the concrete conveyance troughs may also result in the formation of shallow methane gas in the area.

2.3 Methane Gas

The gas-phase methane detected in the native soil on the Smith Castings property is likely generated from the off-gassing of methane in the groundwater system or migration of gas-phase methane from areas outside of the Smith Castings property. The low concentrations and low pressures of gas-phase methane found at the Smith Castings property suggest that the gas-phase methane in this area generates slowly.

2.4 Interim Response Summary

The Interim Response that has been recommended for the Smith Castings Property is excavation and disposal of the concrete conveyance structures, waste contained within them, and all associated waste conveyance piping. The impermeable nature of the building structure (roof/floor) is sufficient to eliminate infiltration of surface water and thus the potential for leaching of constituents to the shallow groundwater from the trough and wood tar materials located beneath the building. The restrictive covenant will be written to prohibit the use of groundwater from below the property and restrict direct contact with impacted soils/waste materials that are left in place (due to inaccessibility) under the present Smith Castings building. Modifications and/or removal of the barrier on the property will occur only with prior MDEQ approval, under controlled, temporary conditions, and under the provision that any waste encountered will be handled properly. In addition, any waste encountered during earthwork activities on the property will be handled in accordance with the Waste Management Plan (WMP) for the site.

2.5 Waste Materials Removed

The waste material removed from the Smith Castings Property is a combination of various types of material. The waste materials encountered were confined to the 2 foot square concrete conveyance structure at a varied depth between 2 feet and 7 ½ feet below land surface, depending upon elevation of ground surface over the material, and were underlain by native silt and sand. The waste materials encountered were made up of the following materials:

- Wood tar.

Page 23 of 135
NMJ Date 01/26/2012

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- Solely wood products (wood pieces, wood chips, bark, sawdust, and construction debris).
- Combination of wood sludge, wood products, charcoal fragments, and carbon fragments. The wood sludge is likely the solid component of plant process wastewater conveyed via the concrete conveyance structures to the Northeast Pit (NE Pit) then settled out from the wastewater.

The materials overlaying the concrete conveyance structures were a combination of soil and demolition waste from the former buildings including concrete, bricks, wood, pipes, electrical conduit, steel structures, and rebar.

2.5.1 Waste Material Left in Place

The waste material remaining beneath the Smith Castings Building is a combination of various types of material. The waste materials encountered were confined to the 2 foot square concrete conveyance structure at a varied depth between 3 feet and 7 ½ feet depending upon elevation of ground surface over the material and are underlain by native silt and sand. The waste materials encountered were made up of the following materials:

- Wood tar.
- Solely wood products (wood pieces, wood chips, bark, sawdust, and construction debris).
- Combination of wood sludge, wood products, charcoal fragments, and carbon fragments. The wood sludge is likely the solid component of plant process wastewater conveyed via the concrete conveyance structures to the NE Pit then settled out from the wastewater.

The estimated volume of waste that was left in place below the Smith Castings Building is approximately 37 cubic yards. This estimation was derived by determining the approximate length of the concrete conveyance structure left beneath the building and the dimensions of the concrete conveyance structure on both sides of the building.

2.5.2 Methane Mitigation

An existing soil gas monitoring program is underway for the site, including methane monitoring. For the Smith Castings property, Well GM-35 and Soil Probes GMSG-65 and GMSG-76 are to be measured in accordance with the *Methane Venting Results Through 2002 Report* (ARCADIS, Ford/Kingsford Site, Kingsford, Michigan, July 2002) and *Methane Venting Results from July 2002 through June 2003* (ARCADIS, Ford/Kingsford Site, Kingsford, Michigan, December 18, 2003). If the methane concentration exists at or greater than 1.25 percent methane by volume, soil vapor extraction will be employed.

3. Future Work

Any future construction activities involving below grade earth work at the Smith Castings Property will follow this WMP and the Smith Castings CHASP guideline, only if impacted soils or waste materials are encountered as a result of the activities. Any impacted soils or waste materials that are excavated during future construction activities will need to be managed in accordance with this WMP.

After any future construction activities are complete, any portion of the cover (building floor) disturbed will need to be restored to pre-construction conditions. Waste materials encountered will be managed according to Section 3.2.1, Waste Material. The waste materials removed shall be replaced with clean imported fill and compacted in place. The disturbed area will be checked for settlement after construction activities. If settling has occurred, the contractor will have to make accommodations to restore the site to pre-construction condition. The guidelines presented in the WMP below will be implemented only when impacted soil, waste or groundwater is encountered from on-site activities.

3.1 Excavation, Backfilling, and Grading

3.1.1 Clearing and Grubbing

Clearing and grubbing will be performed on an incremental basis and only in areas of active construction. Proper sediment controls will be implemented in all disturbed areas, as necessary, and disturbed areas will be restored as soon as possible after construction is complete. Surface vegetation encountered during clearing and grubbing activities that occur will be managed as clean material, providing they have not contacted with the waste material.

3.1.2 Excavation and Backfilling

Prior to excavation activities, the appropriate stormwater controls will be chosen and utilized as described in Sections 3.3 and 3.4 of this document. Proper sediment controls will be implemented in disturbed areas, and disturbed areas will be backfilled and restored as soon as practicable following completion of the excavation activities. Temporary barriers will be constructed around the perimeter of the excavation. The barriers will be maintained during excavation and in the interim period between the

completion of an excavation and backfilling to prevent surface runoff from entering the excavation. Excavated waste materials from under the cover will be managed as described in Section 3.2, Solid Waste.

3.2 Solid Waste

The existing Smith Castings Building provides a barrier to mitigate human exposure to subsurface waste and should not be problematic in future surface construction that may take place. The following sections describe the methods that will be used to manage wastes generated from future activities that penetrate the cover system (building floor), or as a contingency plan in the event of cover system failure. The CHASP guideline describes establishment of work zones, decontamination area, and recommended work practices if construction activities involve contact with the waste material. Proper personnel, equipment, and material control, and management are essential to minimize cross-contamination and protect human health and the environment.

Past source delineation activities at the Smith Castings Property have identified the waste material as predominately soil, wood products, wood tar, charred wood fragments, charcoal fragments, and demolition debris. Additional demolition debris such as concrete, rebar, wood, and bricks are also abundant above the waste material.

3.2.1 Waste Material

Handling of solid wastes with constituent concentrations above the direct contact criteria may be required if future excavation takes place to depths greater than 6 inches below land surface. The waste material encountered in future work, or due to barrier failure, will be contained and transported to an appropriate off site disposal facility, within 60 days of discovery. Future work encountering waste may require actions such as a temporary soil cover or drum containment (of small quantities) while the planning of permanent corrective actions and/or restoration of the protective cover takes place.

3.3 Stormwater Management

Construction at the site is to be conducted according to the requirements of the Clean Water Act for protection of water quality at the site. Engineering controls will be established to prevent water run-off and run-on during excavation and construction activities. Containment systems will be deployed as necessary to prevent soils and

sediments associated with excavation from reaching stormwater drainage points at the site.

3.4 Construction Stormwater, Sediment, and Erosion Control Practices

Part 91 of the NREPA may require a Soil and Sedimentation Control Permit prior to construction depending on the amount of disturbed soil. Permit requirements and application are the responsibility of the contractor. Although the excavation of waste exists within the Smith Castings building, these guidelines are included in this document should construction be expanded for any reason and the potential for stormwater contact exist. Functional sediment and erosion controls must be constructed before commencing land disturbance activities. In individual construction areas, controls shall be constructed as soon as practicable after first disturbance of soil. Suggested erosion and sediment control practices include (but are not limited to):

- Sediment and erosion controls.
- Stormwater management practices.
- Sediment traps.

The sediment and erosion controls may consist of the following:

- Silt fence.
- Diversion ditches.
- Check dams.
- Temporary construction entrances.

These controls are designed to prevent erosion of soil during construction activities and to protect stormwater quality after construction is complete. Controls are also in place to trap eroded material before it enters the storm drainage system, and trap sediment before it leaves the site. All controls will be maintained in good condition and inspected periodically after beginning of a storm event. The need for each of the controls will be determined based on the site conditions. Each control is discussed in greater detail in the following subsections.

3.4.1 Silt Fences

Silt fences are used for sediment and erosion control during construction wherever runoff is expected in the form of sheet flow. Specifically, silt fences will be installed around soil stockpiles, along the downslope perimeter of utility trenches, and along the downslope perimeters of construction areas. Silt fences decrease flow velocity and trap sediments where sheet flow conditions exist or where flow is through tiny rills that can be converted to sheet flow. Silt fences will not be used where flow is channelized. The silt fence shall be erected on relatively level ground a minimum distance of five feet from the toe of a slope. The bottom of the silt fences should be buried in the ground a minimum of 6 inches to prevent runoff from passing beneath the fence. Individual panels will be overlapped, and the ends of the silt fences will bend upslope to prevent water from flowing around the fence.

3.4.2 Diversion Ditches

Diversion ditches are used to carry sediment-laden runoff into a control structure or to carry clean runoff away from disturbed areas. The ditches provide permanent runoff control at the site. They are to be constructed on grade and act to intercept and transport channelized flows. Riprap check dams constructed along the lengths of the ditches on a regular spacing decrease flow velocity and facilitate settling-out of sediments by dissipating energy. Ditches that are to remain in place for longer than 30 days will be seeded and mulched, weather permitting. Sediment traps collect stormwater runoff from the diversion ditches for removal of soil particles prior to onsite discharge.

3.4.3 Check Dams

Check dams are constructed in diversion ditches to decrease flow velocity and facilitate settling-out of sediments by dissipating energy. The check dams provide runoff control during construction by causing sediment to settle out within the diversion ditches and by minimizing the amount of erosion by water flowing through the ditches. This minimizes the quantity of sediment being delivered to the sediment ponds. Temporary rock check dams may also be constructed in outlet channels to trap sediment that may enter the storm drainage system. A typical check dam is approximately 2-feet high and 2-feet wide at the top. The upslope riprap face of the check dams will be covered with 6 inches of washed stone.

3.4.4 Temporary Construction Entrances

Temporary construction entrances will consist of gravel pads constructed of coarse aggregate (2- to 3-inch stone). The pads will be constructed in areas found to have relatively dry, firm soil to minimize the amount of soil or mud that adheres to the truck tires and undercarriages. In this way, the construction entrances will provide temporary soil stabilization during construction. If temporary construction entrances are needed, geotextile fabric shall be placed over the subgrade beneath the pads in wet areas. Truck and heavy equipment traffic will be routed over the pads, minimizing the tracking of soils around and off the site. Trucks will be decontaminated by steam cleaning prior to exiting the site if in contact with waste material. The CHASP guideline describes establishment of work zones and a decontamination area, if waste is encountered.

Heavy equipment used in impacted areas will be decontaminated prior to moving to a clean location and before leaving the site. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris. Where possible, impacted soil deposits will be removed.
- After removal of gross debris, the equipment will be steam cleaned using a high-pressure washer (i.e., Hotsy Corporation Hot-Washer Pressure Washer).
- After steam cleaning, the equipment will be allowed to dry and will be reinspected. Any remaining visible debris will be re-cleaned through additional pressure washing.

After any debris is removed, according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the closeout of the activities involving contact with waste material or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment will be inspected prior to release from the facility and inspection results will be documented in field logbooks. Decontamination wash water will be collected and sent to either the wastewater treatment plant or a treatment/disposal system. The CHASP guideline contains information regarding management of work zones and decontamination.

4. Employee Training

The employee training program will inform project personnel of the components and objectives of the WMP, and the measures that will be implemented to ensure that these objectives are attained. Training will address each component of the WMP, and will inform personnel as to why and how control practices are to be implemented. Topics will include, at a minimum, the following:

- Spill prevention and response.
- Good housekeeping practices.
- Equipment operations training.
- Material management practices.
- Inspection and maintenance of sediment and erosion control practices.

Certain employees will receive initial training at the start of construction and refresher training thereafter, as necessary. Hazardous material training is discussed in the CHASP guideline for the site, and is pertinent for personnel to be working with waste material.

5. Emergency Response

The CHASP guideline generated for the Smith Castings Interim Response Action and Construction Documentation Report contains detailed emergency response procedures, and is applicable to this WMP for both IRAP and Construction Documentation Report and for future work. A list of emergency contacts and phone numbers is listed in the CHASP.

Should a spill or leak of a hazardous substance occur, the following procedures will be followed:

- Contact the National Response Center immediately at (800) 424-8802.
- Contact the Michigan Department of Environmental Quality/Regional EPA Office within 24 hours of discovery at (906) 875-6622.
- Contact the Breitung Fire Department immediately at (906) 774-7505.
- Contact the State Fire Marshall immediately at (517) 336-6604.
- For a release that goes beyond the boundary of the property, immediately contact the local emergency planning committee (LEPC) for the area affected (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). Submit a written report as soon as practicable after release to the state emergency response commission, in care of the MDEQ, Environmental Assistance Division, and to the LEPC.
- For an unpermitted release over a 24-hour period of a hazardous substance, contact the MDEQ, Environmental Response Division district office (or pollution emergency alerting system (PEAS) after hours) within 24 hours of discovery. From within Michigan, call 800-292-4706; from outside Michigan, call 517-373-7660.
- For an incident involving transportation of hazardous materials that results in fire, death, injury, property damage, evacuation, highway closure or flight pattern alteration, contact the U.S. Department of Transportation (DOT) at 800-424-8802. Submit written report to DOT within 30 days of discovery.

**Exhibit D
Waste Management
Plan**

Smith Castings Property
Ford/Kingsford Site
Kingsford, Michigan

- For a release that results in one death or the hospitalization of three or more persons, contact the Michigan Occupational Safety and Health Act Hotline at 800-858-0397 within 8 hours of the incident.
- For unpermitted release to the public sewer system, surface water or groundwater from an oil storage facility or on-land facility of a polluting material, contact PEAS as soon as practicable after detection (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). Submit written report within 10 days after release to the MDEQ, Waste Management Division chief.

For situations that involve materials other than fuel:

Where any amount of characteristic hazardous or listed hazardous waste (as defined in R 299.9203 "Hazardous Waste Rule 203"), has reached the surface water or groundwater,

or

A fire, explosion, or other release of hazardous waste or hazardous waste constituents occurs that could threaten human health or the environment.

or

A release of >1lb (or ≤1lb if not immediately cleaned up) hazardous waste to the environment from a tank system or associated secondary containment system.

- Immediately contact PEAS within 24 hours of discovery (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). If threat to human health or environment, call the National Response Center (800-424-8802). Written report may be required.
- If liquid industrial waste spill could threaten public health, safety, welfare or the environment, or has reached surface water or groundwater, immediately call PEAS (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). Submit written report within 30 days of incident to MDEQ, Waste Management Division district supervisor.

For situations that involve polychlorinated biphenols (PCBs):

- Where there is a spill of PCBs, contact the United States Environmental Protection Agency Region V Toxic Program Section at 312-886-6003 as soon as possible after discovery, and within 24 hours.

In the event of a release, this WMP will be amended within 14 calendar days of the event to minimize the chance of event reoccurrence.

5.1 Spill Prevention

To prevent or minimize the potential for stormwater and groundwater contamination at fueling areas, the following general practices for all near-term and future construction will be implemented:

- Leaks and spills will be contained and cleaned-up as soon as possible using dry absorbent materials, and leaking equipment will be removed from the site and repaired or replaced.
- Fuel drums, tanks, and containers will be stored in a bermed area or in overpack containers, spill pallets, or similar containment devices with a capacity of 110 percent of the volume of stored fuel.

**Exhibit D
Waste Management
Plan**

Smith Castings Property
Ford/Kingsford Site
Kingsford, Michigan

6. Implementation

Implementation of this WMP during construction will be the responsibility of the Waste Management Team, as provided by the construction Contractor. Waste Management Team members will be properly trained as discussed in Section 5.0 of this document. A list of objectives and implementation procedures will be developed for each construction task, along with a preliminary task completion schedule. The Waste Management Team will also be responsible for ensuring stormwater and sediment and erosion control practices are in place at the appropriate time.

7. WMP Approvals

By their signature, the undersigned certify that this WMP is approved and will be utilized for operations to be conducted under this plan.

Contractor Project Manager

Date

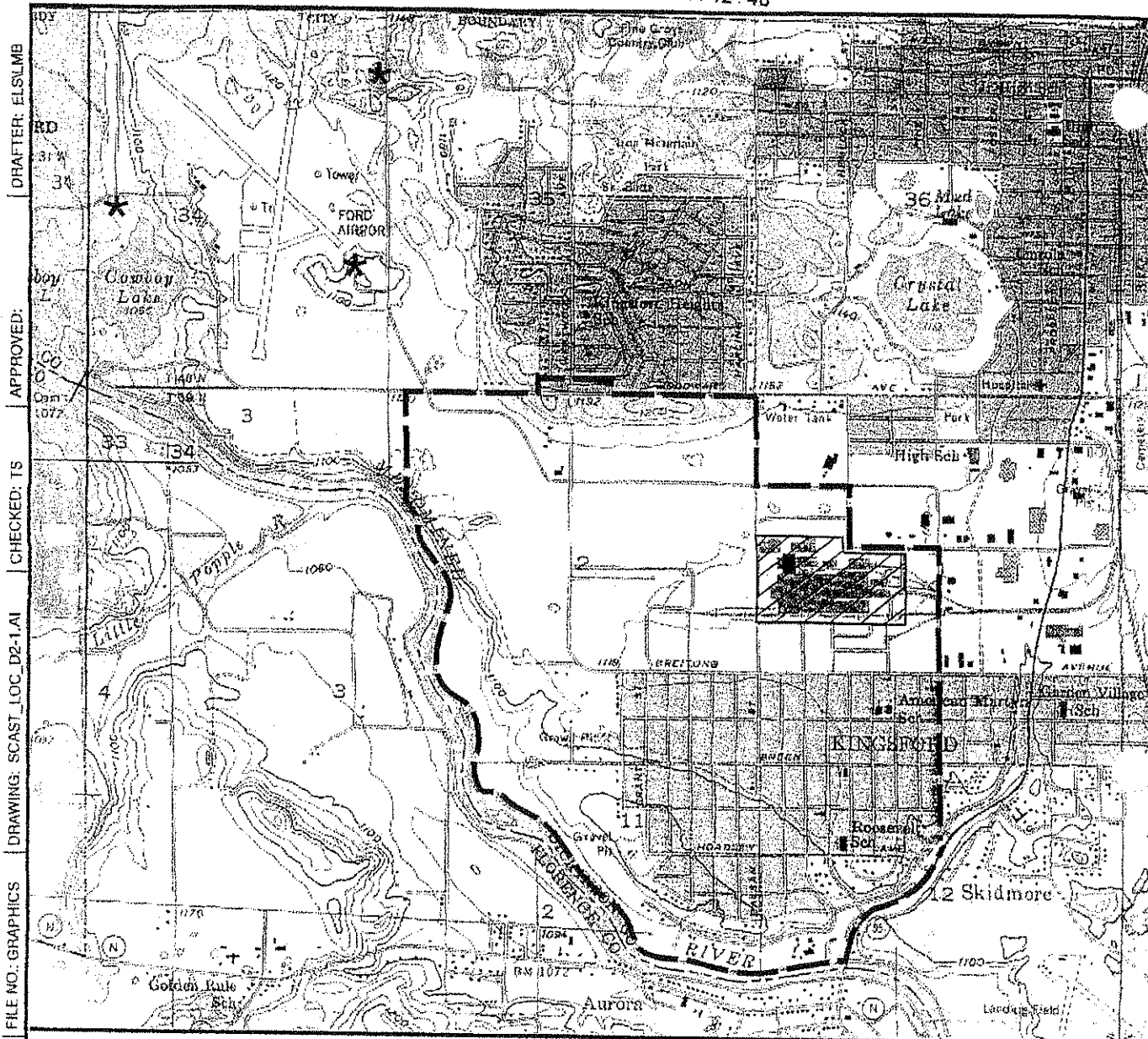
Contractor Waste Management
Team Leader

Date

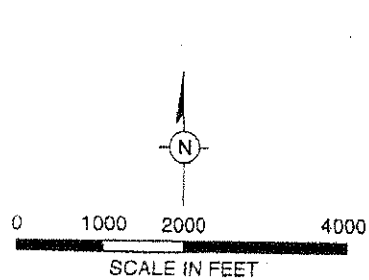
ARCADIS Project Manager




Date

Figures



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982



-  FORMER PLANT AREA LOCATION
-  STUDY AREA
-  KINGSFORD CITY WATER SUPPLY WELLS



MICHIGAN

DRAFTER: ELSLMB
 APPROVED:
 CHECKED: TS
 DRAWING: SCAST_LOC_D2-1.AI
 FILE NO.: GRAPHICS
 PN: FORDWR6372006
 DWG DATE: 27 JAN 06



SITE LOCATION MAP

CITY OF KINGSFORD PROPERTY
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE
D2-1

EXHIBIT E

CONSTRUCTION HEALTH AND SAFETY PLAN GUIDELINE

Exhibit E
Construction Health and
Safety Plan Guideline

Restrictive Covenant
Smith Castings
Kingsford, Michigan

PREPARED FOR

Ford Motor Company
The Kingsford Products Comp:

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

1. Introduction	1
2. Contractor Organization and Responsibilities	3
2.1 Organizational Structure	3
2.2 Record Keeping Requirements	3
2.3 Training	5
2.4 Health and Safety Meeting	7
2.5 Health Monitoring and Surveillance	7
3. Background	10
3.1 Site Description	10
3.2 Site Assessment	10
3.3 Methane Gas	11
3.4 Interim Response Summary	11
3.4.1 Waste Material Left In Place	12
3.4.2 Methane Mitigation	12
4. Chemical Constituent Descriptions	13
5. Potential Exposure Pathways and Hazard Evaluation	20
5.1 Chemical Hazards	20
5.2 Physical Hazards	21
5.2.1 Flammability and Explosivity of Vapors	21
5.2.2 Construction Explosive Hazards	21
5.2.3 Noise Exposure	21
5.2.4 Heat/Cold Stress	21
5.2.5 Lacerations and Contusions (Cuts and Bruises)	22
5.2.6 Insect and Wildlife Hazards	22
5.2.7 Lifting Hazards	22

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

5.2.8	Packaging and Shipping Hazards	22
5.3	Field Activities/Physical Hazards	22
5.3.1	Hazard Analysis: Excavation	23
5.3.2	Hazard Analysis: Concrete Protective Cover	23
5.3.3	Hazard Analysis: Collecting Soil Samples for Laboratory Analysis	24
5.3.4	Hazard Analysis: Geotechnical Sampling as Required During Construction	25
6.	Personnel Protection Program	26
6.1	Level D Protection	26
6.2	Level D Modified Protection	27
6.3	Level C Protection	27
6.4	Level B Protection	29
6.5	Decontamination Procedures	30
6.5.1	Level D Decontamination Procedures	30
6.5.2	Level C Decontamination Procedures	30
6.6	Heat Stress Control and Monitoring	32
6.7	Cold Stress Control and Monitoring	33
7.	Air Monitoring	35
7.1	Air Monitoring	35
7.2	Perimeter Monitoring	35
7.3	Organic Vapor Monitoring	36
7.4	Combustible Gas/Oxygen Monitoring	37
7.5	Noise Level Monitoring	37
8.	Site Control	39
8.1	Site Preparation	39
8.2	Work Zones	40
8.2.1	Exclusion Zone	40

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

8.2.2	Contaminant Reduction Zone	40
8.2.3	Support Zone	41
8.3	General Work Rules	41
8.3.1	Overhead Utilites	42
8.3.2	Inclement Weather	42
8.3.3	Manual Lifting	43
8.3.4	Portable Ladders	43
8.3.5	Heavy Equipment Safety	44
8.3.6	Driver Safety	45
8.3.7	Power and Hand Tools	45
8.3.8	Hand Protection	45
8.3.9	Lockout/Tagout	46
8.3.10	Traffic Control	46
8.3.11	Material Storage	46
8.3.12	Fire Prevention	46
8.3.13	Inspections	46
8.4	Site Security	47
8.5	Site Visitors	47
8.6	Disposal of Material	48
9.	Engineering Controls	49
10.	Emergency Procedures	50
10.1	Emergency Phone Numbers and Hospital Location	50
10.2	Personnel Injury in the Exclusion Zone	50
10.3	Personnel Injury in the Support Zone	50
10.4	Fire/Explosion Emergency Procedures	51
10.4.1	Emergency Procedures	51
10.4.2	Emergency Medical Care	52

Tables

- E4-1 Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.
- E6-1 Signs and Symptoms of Chemical Exposure and Heat Stress that Indicate Potential Medical Emergencies, Ford/Kingsford Site, Kingsford, Michigan.
- E7-1 Action Levels, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.
- E10-1 Emergency Phone Numbers and Directions to Dickinson County Memorial Hospital, Ford/Kingsford Site, Kingsford, Michigan.

Figures

- E2-1 Project Health and Safety Organization and Reporting, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.
- E2-2 Sample Health and Safety Meeting Form, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.
- E2-3 Sample Field Team Review Sheet, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.
- E2-4 Sample Visitor Review of Site Health and Safety Plan, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.
- E2-5 Sample Emergency Medical Data Sheet, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.
- E2-6 Sample Emergency Report Form, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.
- E2-7 CHASP Approvals, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.
- E3-1 Site Location Map, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.
- E6-1 Minimum Decontamination Layout; Level D Protection, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.
- E6-2 Minimum Decontamination Layout; Level C Protection, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.
- E10-1 Route to Hospital, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

1. Introduction

This Construction Health and Safety Plan Guideline (CHASP) has been prepared for the Smith Castings property portion of the Ford/Kingsford Site in Kingsford, Michigan (the Site). This document presents requirements that must be incorporated into a contractor-generated Construction Health & Safety Plan (Contractor CHASP) when conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. The Contractor will generate the Contractor CHASP as part of their work for the identified site conditions, scope of work, and necessary personnel in accordance with the guidelines presented here. The contractors may include additional content consistent with their own corporate health and safety guidelines or procedures. The responsibility for the development, implementation, and enforcement of the Contractor CHASP lies solely with the contractor.

The elements of the Contractor CHASP are based upon the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (October 1985) and the Michigan Occupational Safety and Health Act and its Rules. These guidelines have been supplemented by information obtained during site investigation activities. All reasonable precautions will be taken by the selected Contractor and its subcontractors to protect the safety and health of workers and the general public. All work will be performed in accordance with applicable federal, state, and local regulations.

The objective of this CHASP is to structure and maintain safe working conditions at the site and to develop a plan of action in the case of a site emergency during field activities. The safety organization and procedures have been established based on an analysis of potential hazards, and personnel protection measures have been selected in response to these potential hazards.

Elements of this plan address the following:

- Project Organization.
- Site History and Project Description.
- Training.
- Potential Hazards of Site Contaminants.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Activity Hazard Analysis.
- Safety Considerations for Site Operations.
- Protective Equipment.
- Monitoring Requirements.
- Site Control Zones and Communication.
- Medical Surveillance.
- Decontamination and Waste Disposal.
- Emergency Response Plan.

2. Contractor Organization and Responsibilities

2.1 Organizational Structure

The Contractor will be responsible for its employees and their adherence to the Contractor CHASP during construction activities that have the potential to disturb the cover system and expose personnel to the waste material below the cover. The Contractor CHASP will adhere to the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (October 1985 and March 1989) prepared by the National Institute for Occupational Safety and Health (NIOSH), Occupational Safety and Health Administration (OSHA), US Coast Guard (USCG), and US Environmental Protection Agency (USEPA). The Contractor CHASP will also adhere to Michigan Occupational Safety and Health Act and its Rules. Trained staff will supervise the work in accordance with the health and safety requirements described herein, the current edition of the Michigan regulations for hazardous waste operations, and all applicable federal, state, and local health and safety regulations.

Proper planning and careful Contractor CHASP implementation is essential to carrying out the proposed construction activities at the site. An organizational structure detailing personnel requirements and responsibilities is presented in this section. The organizational structure defines the chain of command and identifies the person responsible for directing activities related to the project. Necessary personnel for project implementation will be identified as well as their general functions and responsibilities. This structure also identifies lines of authority, responsibility, and communication among the project team and indicates the person(s) responsible for communicating with the emergency response community. A typical organization chart is shown on Figure E2-1.

An overall project manager (PM) and a project superintendent (PS) and Site Safety Officer (SSO) will be called out by the Contractor in the plan, and an alternate project manager and project superintendent will be identified. Their responsibilities include:

- Having the authority to direct all activities.
- Ensuring the implementation of the Contractor CHASP and effective loss control principles.
- Ensuring that safe work rules and practices are enforced.

Page 47 of 135
MJ Date 01/26/2012 GL 744/235
Time 09:42:48

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Performing on-site inspections to make certain the Contractor CHASP is being followed.
- Implementing corrective actions following audits, inspections, incident investigations, etc.
- Ensuring that resources are available for all health and safety requirements.
- Assigning trained and qualified personnel to project tasks.
- Providing the appropriate monitoring and safety equipment necessary for implementing the Contractor CHASP.

The PM and PS have the ability to authorize the following safety-related suspensions:

- Temporary suspension of field activities if the health and safety of personnel are endangered.
- Temporary suspension of an individual from field activities for infraction of the Contractor CHASP.

2.2 Record Keeping Requirements

The PS will ensure that all health and safety record keeping requirements mandated by Rule 408.22101 et seq., Rule 324.52101 et seq. under the Michigan Occupational Safety and Health Act (MIOSHA), and any other applicable standards are met. An administrative area will be designated for maintenance of such records including MIO SHA certifications, exposure monitoring records, training certificates, and health and safety field logbooks. Additional records to be kept, when applicable, may include the following samples:

- Daily Health and Safety Meeting Form (Figure E2-2).
- Field Team Review Sheet (Figure E2-3).
- Visitor's log and Contractor CHASP sign-off (Figure E2-4).
- Qualification and testing for respirator use and fit test.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Emergency Medical Data Sheets (Figure E2-5).
- Calibration logs as described in Section 7.6.
- Monitoring logs for volatile organic compounds (VOCs), oxygen levels, particulates, and any other monitored parameter.
- Perimeter monitoring charts, data, and calculation sheets.
- Personal Protective Equipment (PPE) log for levels of protection greater than Level D with date, type of PPE, time and duration of PPE use.
- Exposure and incident reports.
- Emergency Report Form (Figure E2-6).
- Work stoppage and work re-start reports.
- Copies of the Contractor CHASP with appropriate signatures, CHASP Approvals (Figure E2-7).

2.3 Training

It will be the responsibility of the PM, PS and SSO to ensure that properly trained personnel are assigned to each work task. Members of the project team performing tasks that could potentially result in exposure to waste materials will have satisfied the training requirements of Rule 325.52101 et seq. (MIOSHA regulation of hazardous waste site activities). MIOSHA certificates for these members will be current and available. These employees will also be subject to appropriate medical surveillance in accordance with Rule 325.52101 et seq. Site-specific training will be provided as necessary for those workers, including subcontractors, and will include a discussion of the following topics:

- Names of all health and safety related personnel and alternates.
- Health and safety organization.
- Locations where Contractor CHASP will be stored.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Nature of anticipated hazards.
- Recognition and avoidance of hazards at the site.
- Safe use of engineering controls and equipment on the site.
- Hazard communication.
- Exposure risk.
- Safe work practices.
- PPE to be used.
- Personnel and equipment decontamination procedure.
- Air monitoring.
- Emergency procedures and on-site First Aid Station and Procedures.
- Rules and regulations for vehicle use.
- Safe use of field equipment.
- Handling, storage, and transportation of hazardous materials.
- Employee rights and responsibilities.

Additionally, field personnel will be responsible for knowing and understanding the information contained in the Contractor CHASP. Attendees will also sign a Field Team Review Sheet stating that they have been trained in, understand, and agree to comply with the provisions of the Contractor CHASP. Anyone refusing to sign the form will be prohibited from working at the site.

When a new employee has been assigned to the site, the PS and SSO must present a similar briefing before the new employee participates in any field activities. All new employees must sign the Field Team Review Sheet after receiving training and before beginning fieldwork.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

2.4 Health and Safety Meeting

Prior to initiating site work, site personnel will be required to attend an orientation session given by the PS and SSO as outlined on Figure E2-2. This session will take place at the site prior to the start of work and may include, but is not limited to, the following topics:

- Site history.
- Scope of fieldwork.
- Specific hazards (toxicological data, heat stress/exposure, other physical hazards).
- Hazard recognition.
- Standard operation procedures and injury prevention, including no smoking and no hand-to-mouth contact within the exclusion zones or prior to completing decontamination.
- Decontamination (personnel and equipment).
- Emergency procedures.
- Potential respirator use.

Field personnel must attend this meeting, the minutes of which will be documented in the site logbook and maintained as indicated in Section 2. In addition, a safety meeting will be conducted before each work day.

2.5 Health Monitoring and Surveillance

A health monitoring and surveillance program will be established to verify that the worker is physically fit to perform the necessary tasks. The monitoring program will be performed in accordance with MIOSHA requirements. An initial screening of the worker will be performed in accordance with OSHA 29 CFR Part 1910 guidelines prior to site placement to document current level of health and ability to wear protective gear. The initial health screening should focus on examination of the kidneys, heart, and lungs, and should include the following physical examinations:

Page 51 of 135 GL 744/239
IMJ Date 01/26/2012 Time 09:42:48

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

1. Height, weight, temperature, pulse respiration, and blood pressure.
2. Head, nose, and throat.
3. Eyes, including vision tests that measure refraction, depth perception, and color vision.
4. Ears. Requirements for this test are listed in 29 CFR Part 1910.95.
5. Chest (heart and lungs), including pulmonary function and electrocardiogram (EKG) testing.
6. Peripheral vascular system.
7. Abdomen and rectum (including hernia exam).
8. Spine and other components of the musculoskeletal system.
9. Genitourinary system.
10. Skin.
11. Nervous system.

The following tests should also be performed during the pre-employment examination:

- Blood (including complete blood count with differential, comprehensive metabolic panel, cadmium, mercury, and serum PCBs).
- Urine.
- Chest X-rays.

Periodic medical exams should also be part of the Contractor's Corporate Medical Monitoring Program in accordance with 29 CFR Part 1910. Annual exams are acceptable; however, more frequent examinations may be necessary depending on the types of chemicals the worker has been exposed to, the duration of the assignment, and the potential or actual exposure levels.

In addition, testing is necessary to confirm that the worker is capable of completing the work tasks while wearing protective equipment. Medical records for each team must be maintained on-site as stated in Section 2.2 to include the following information:

- Qualification statement for hazardous waste work.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Qualification for respirator use.
- Respirator fit test results.
- Emergency Medical Data Sheet (Figure E2-5).

The Contractor will provide in the Contractor CHASP the components of their active medical monitoring program, including a detailed plan of health signs and symptoms to be monitored throughout the workday. A record of these monitoring reports will be maintained on site along with each worker's health history record.

Page 53 of 135
MJ Date 01/26/2012
GL 744/241
Time 09:42:48

3. Background

3.1 Site Description

The city of Kingsford is located in southwestern Dickinson County, in the western part of Michigan's Upper Peninsula. The City is bounded by the Menominee River on the west and south, by the city of Iron Mountain on the north, and by Breitung Township on the east. The Smith Castings Property is located approximately 300 feet east of Balsam Street and approximately 800 feet south of Pyle Drive. The location of the Smith Castings Property is shown in Figure E3-1. The Smith Castings Property is located in a relatively flat upland area called the Upper Terrace, approximately 5,000 feet east of the Menominee River. Land use near the Smith Castings Property is primarily commercial, and the area is zoned industrial. Properties to the east of the Smith Castings Property are owned by Zam's Autobody, City of Kingsford, and a vacant property owned by Smith Steel. The property is bound to the west by Smith Steel property. To the north of the Smith Castings Property are several commercial properties and vacant city property and Delta Do It Center Property is to the south of the Smith Castings Property.

3.2 Site Assessment

Investigations of the Smith Castings Property were initiated by ARCADIS in 1997. These investigations include the drilling of soil gas vapor probes and groundwater monitoring wells on and adjacent to the Smith Castings Property. Based on analytical results from these investigations, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals have not been identified in the soils or the shallow groundwater at the site with concentrations above the Michigan Part 201 criteria. Visual observance of small quantities of a tar like substance migrating to the ground surface was observed on the Smith Castings Property which prompted additional investigation work beginning in December 2001. Based on analytical results from the investigations after 2001, VOCs, SVOCs, and metals have been identified at the site with concentrations above the Michigan Part 201 criteria. The Smith Castings Interim Response Action and Construction Documentation Report (IRAP) presents site assessment results and specific information with respect to the constituents that are above the Michigan Part 201 criteria. Methane may also be present within the Smith Castings Property. The biodegradation of organic material in the groundwater is the primary source of methane gas throughout the Ford/Kingsford Product Company (Ford/KPC) site; however, biodegradation of organics in the waste material in the

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

concrete conveyance troughs may also result in the formation of shallow methane gas in the area.

3.3 Methane Gas

The gas-phase methane detected in the native soil on the Smith Castings Property is likely generated from the off-gassing of methane in the groundwater system or migration of gas-phase methane from areas outside of the Smith Castings Property. The low concentrations and low pressures of gas-phase methane found at the Smith Castings Property suggest that the gas-phase methane in this area generates slowly.

3.4 Interim Response Summary

The Interim Response recommended for the Smith Castings Property was excavation and disposal of the concrete conveyance structures, waste contained within them, and all associated waste conveyance piping surrounding the Smith Castings building. The sections of the concrete waste conveyance structures that pass beneath the Smith Castings building are to be left in place so as not to damage the building or interrupt business. The impermeable nature of the building structure (roof/floor) is sufficient to eliminate infiltration of surface water and thus the potential for leaching of constituents to the shallow groundwater from the trough and wood tar materials located beneath the building. The restrictive covenant will be written to prohibit the use of groundwater from below the property and restrict direct contact with impacted soils/waste materials that are left in place (due to inaccessibility) under the present Smith Castings building. Modifications and/or removal of the barrier on the property will occur only with prior MDEQ approval, under controlled, temporary conditions, and under the provision that any waste encountered will be handled properly. In addition, any waste encountered during earthwork activities on the property will be handled in accordance with the Waste Management Plan (WMP) for the site.

Excavation and disposal of the former waste materials from the Smith Castings Property were completed between April 2002 and January 2004. The depth of the excavation varied between 2 feet and 7 feet depending on the depth of fill covering the concrete structures. The excavated material was initially loaded into roll-off containers and then transported to the BFI facility for disposal. For the remainder of the project, the excavated material was stock-piled in a designated staging area. From the staging area, the stock-piled material was loaded onto end-dump trucks, covered, and transported to the BFI facility for disposal.

3.4.1 Waste Material Left in Place

The waste material remaining beneath the Smith Castings Building is a combination of various types of material. The waste materials encountered were confined to the 2 foot square concrete conveyance structure at a varied depth between 3 feet and 7 ½ feet depending upon elevation of ground surface over the material and are underlain by native silt and sand. The waste materials encountered were made up of the following materials:

- Wood tar.
- Solely wood products (wood pieces, wood chips, bark, sawdust, and construction debris).
- Combination of wood sludge, wood products, charcoal fragments, and carbon fragments. The wood sludge is likely the solid component of plant process wastewater conveyed via the concrete conveyance structures to the NE Pit then settled out from the wastewater.

The estimated volume of waste that was left in place below the Smith Castings Building is approximately 37 cubic yards (CY). This estimation was derived by determining the approximate length of the concrete conveyance structure left beneath the building and the dimensions of the concrete conveyance structure on both sides of the building.

3.4.2 Methane Mitigation

An existing soil gas monitoring program is underway for the site, including methane monitoring. For the Smith Castings property, well GM-35 and soil probes GMSG-65 and GMSG-76 are to be measured in accordance with the Methane Venting Results Through 2002 Report (ARCADIS, *Ford/Kingsford Site, Kingsford, Michigan, July 2002*) and Methane Venting Results from July 2002 through June 2003 (ARCADIS, *Ford/Kingsford Site, Kingsford, Michigan, December 18, 2003*). If the methane concentration exists at or greater than 1.25 percent methane by volume, soil vapor extraction will be employed.

4. Chemical Constituent Descriptions

Laboratory analytical data compiled for soil and waste samples within the Smith Castings facility indicate that VOCs, SVOCs, alcohols, aldehydes, pesticides, and metals have been detected in samples at concentrations above background levels. Any chemical constituent detected in the soil or waste material at the Smith Castings facility is listed below. Exposure limits, explosive limits (if applicable), and potential exposure routes for these chemical constituents of potential concern are listed in Table E4-1. Monitoring and Contractor designation of action levels will be discussed in Section 7.

VOCs:

- 1,1,2,2-Tetrachloroethane.
- 1,2-Dichloroethane.
- 1,2-Dichloroethene.
- 1,2,4-Trimethylbenzene.
- 1,3,5-Trimethylbenzene.
- 1,4-Dichlorobenzene.
- 2-Butanone (MEK).
- 2-Hexanone.
- Acetone.
- Benzene.
- n-Butylbenzene.
- sec-Butylbenzene.
- Carbon Dioxide.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Carbon disulfide.
- Chlorobenzene.
- Chloroform.
- Ethylbenzene.
- Isopropylbenzene.
- Methyl chloride.
- n-Propylbenzene.
- Styrene.
- Tetrachloroethene.
- Trichloroethene.
- Toluene.
- Xylenes.

SVOCs:

- 1-Methylnaphthalene.
- 2-Methylnaphthalene.
- 2-Methylphenol.
- 2-Nitroaniline.
- 2-Nitrophenol.
- 2,4-Dimethylphenol.
- 3-Methylphenol.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- 4-Methylphenol.
- 4-Nitrophenol.
- Acenaphthene.
- Anthracene.
- Benzo(a)anthracene.
- Benzo(a)pyrene.
- Benzo(b)fluoranthene.
- Benzo(g,h,i)perylene.
- Benzo(k)fluoranthene.
- Benzoic acid.
- Bis(2-ethylhexyl)phthalate.
- Butylbenzene phthalate.
- Chrysene.
- Dibenzofuran.
- Di-n-butyl phthalate.
- Di-n-octylphthalate.
- Fluoranthene.
- Fluorene.
- Isopropyltoluene.
- Naphthalene.

Page 59 of 135
MJ Date 01/26/2012

GL 744/247
Time 09:42:48

Exhibit E
Construction Health
And Safety Plan
Guideline

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Pentachlorophenol.
- Phenanthrene.
- Phenol.
- Pyrene.

Alcohols:

- 1-Propanol.
- Ethanol.
- Ethylacetate.
- Isobutanol.
- Isopropanol.
- Methanol.
- n-Butanol.

Aldehydes:

- Acetaldehyde.
- Formaldehyde.
- Hexanal.
- m-Tolualdehyde.
- Paraldehyde.
- Pentanal.
- Propanal.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

Pesticides:

- Aldrin.
- Aroclor 1242.
- Lindane (BHC gamma).
- Chlordane (alpha).
- Chlordane (gamma).
- Endosulfan I.
- Endosulfan II.
- Endrin.
- Heptachlor epoxide.
- Methoxychlor.

Metals:

- Aluminum.
- Antimony.
- Arsenic.
- Barium.
- Beryllium.
- Cadmium.
- Calcium.
- Chromium.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Cobalt.
- Copper.
- Cyanide.
- Iron.
- Lead.
- Magnesium.
- Manganese.
- Mercury.
- Molybdenum.
- Nickel.
- Potassium.
- Selenium.
- Silver.
- Sodium.
- Thallium.
- Titanium.
- Vanadium.
- Zinc.

In addition, the presence of potentially explosive concentrations of methane gas exists throughout the site. Since methane gas is lighter than air, it will rise into the vadose zone in the absence of silt or clay layers, or become trapped below these layers.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

Historical investigations have shown the prevalence of methane gas within the waste material. Provisions must be included in the Contractor CHASP for occurrence of methane gas in the vadose zone.

5. Potential Exposure Pathways and Hazard Evaluation

On-site personnel will be appropriately protected from any physical and chemical hazards that may be encountered during construction activities that have the potential to disturb the cover system and expose personnel to the waste material below the cover. Potential exposure pathways, physical hazards, and hazards due to typical construction activities that may be necessary in the area and have the potential to disturb the cover will be discussed in this section. An evaluation of identified potential hazards is based on site history, previously completed field activities, and the typical construction activities that may be required.

5.1 Chemical Hazards

Exposure pathways have been identified according to the NIOSH Pocket Guide to Hazardous Chemicals (1997). These exposure pathways and other chemical hazards that may affect the health and safety of the on-site personnel are listed below.

The following potential exposure and chemical hazard pathways may be encountered during fieldwork at the site:

- Ingestion of affected surface soils or material.
- Dermal contact with affected particles, vapors, or gases.
- Inhalation of particles, vapors, or gases.
- Dispersal of dust/particulates.
- Contact with contaminated stormwater during construction.

These exposure pathways will be minimized by following the protocol for the designated working level of protection as described in Section 6.0 (Personnel Protection Program). Toxicological data for the major constituents detected at the site are listed in Table E4-1.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

5.2 Physical Hazards

Field personnel may be exposed to physical hazards during this project. Physical hazards that may be encountered are:

- Explosive Hazards.
- Noise.
- Heat/cold stress.
- Lacerations and contusions.
- Lifting hazards.

General considerations are discussed below; specific comments are presented in Section 5.3.

5.2.1 Flammability and Explosivity of Vapors

Flammable and explosive methane vapors are known to be present, at depth, adjacent to the site. Frequent air monitoring for methane gas will be conducted during the field activities at the site, as well as measuring the lower explosive limit and oxygen concentrations within the breathing zone.

5.2.2 Construction Explosive Hazards

Other explosive hazards associated with construction activities include storage of vehicle fuel and calibration gases for measuring devices.

5.2.3 Noise Exposure

Construction crews may be exposed to loud noise levels from construction equipment. Hearing protection may be necessary.

5.2.4 Heat/Cold Stress

Workers may be required to wear protective clothing, which insulates the body. A hazard may exist if workers wear protective clothing in temperatures exceeding 90°F.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

In addition to heat stress, exposure to temperatures at or below freezing may result in frostbite and/or hypothermia. A monitoring program will be in place during use of protective gear.

5.2.5 Lacerations and Contusions (Cuts and Bruises)

Earthwork and excavation activities usually involve contact with moving machinery and physical objects. If the field team is cut or bruised during this project, the PS will be prepared to deal with cuts and bruises, and a first aid kit will be present during all site operations.

5.2.6 Insect and Wildlife Hazards

If construction activities require workers to enter areas of overgrown vegetation, potential exposure to insect bites and ticks exists. Workers will pay special attention to the presence of wildlife and inspect themselves at the end of each field day. The first aid kit will contain medications for insect bites.

5.2.7 Lifting Hazards

Construction activities may involve heavy lifting. Field team members will be trained in the proper methods to lift heavy objects and cautioned against lifting objects that are too heavy for one person to handle safely.

5.2.8 Packaging and Shipping Hazards

Any samples collected from the site will be transported to subcontracted laboratories in compliance with Department of Transportation (DOT) regulations. The instructions given below will be followed to comply with DOT regulations and reduce the potential for sample breakage during transport.

- Appropriate packaging materials will be placed into shipping containers.
- The shipping containers will be classified and secured according to appropriate DOT regulations, and other relevant regulations.

5.3 Field Activities/Physical Hazards

Listed below are potential construction activities that may be performed at the Site:

5.3.1 Hazard Analysis: Excavation

Beneath the concrete slab, waste materials are confined to the 2 foot square concrete conveyance structure at a varied depth between 3 feet and 7 ½ feet depending upon elevation of ground surface over the material and are underlain by native silt and sand. Should excavation become necessary beneath the concrete slab in the concrete conveyance structure area, these construction activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Exposure to explosive vapors.
- Inhalation of vapors.
- Inhalation of dust particles.
- Dermal contact with chemical constituents in the affected soil or waste material present with the concrete conveyance structure.

Physical Hazards:

- Being hit by equipment.
- Being struck by falling objects.
- Exposure to loud noise.
- Exposure to extreme outside temperatures.

In addition, should excavations greater than 4 feet be required, field personnel could be exposed to confined space conditions. Any excavation greater than 4 ft will follow the procedures identified by the OSHA Construction Code 29 CFR Part 1926 for excavation sloping/shoring/benching.

5.3.2 Hazard Analysis: Concrete Protective Cover

Following disturbance of the concrete slab, construction activities will need to be conducted to repair/restore the protective cover. These activities may expose field

personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Exposure to explosive vapors.
- Inhalation of vapors.
- Inhalation of dust particles.
- Dermal contact with chemical constituents in the affected soil or waste material.

Physical Hazards:

- Being hit by equipment.
- Being struck by falling objects.
- Exposure to loud noise.
- Exposure to extreme outside temperatures.

5.3.3 Hazard Analysis: Collecting Soil Samples for Laboratory Analysis

Should it be necessary to collect soil samples beneath the concrete slab in the concrete conveyance structure area, these activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Inhalation of particulates.
- Dermal contact with chemical constituents in the affected soil or waste material.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

After the samples have been collected in sampling jars, the samples will be properly packaged to protect shipping personnel from potential exposure to constituents. There is no particular hazard in performing the packaging operation, yet if this operation is not done properly, unsuspecting individuals may be exposed if the containers leak or break. Preservation of water samples may involve the use of acids or bases to adjust sample pH. Precautions will be taken to avoid contact with these reagents.

5.3.4 Hazard Analysis: Geotechnical Sampling as Required During Construction

Should geotechnical borings/samples be required beneath the concrete slab in the concrete conveyance structure area, these construction activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Inhalation of particulates.
- Dermal contact with chemical constituents in the affected soil or waste material.

Physical Hazards:

- Falling objects.
- Exposure to loud noise.
- Exposure to extreme outside temperatures.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

6. Personnel Protection Program

A Personnel Protection Program will be established in the Contractor CHASP to be maintained for personnel working at the site and conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. The Personnel Protection Program will provide necessary health and safety training to the contractor personnel assigned to perform or oversee work, health and safety, security, administrative duties, or any other related functions at the site. Site safety meetings will be held before work begins each day or as specified by the PS. Separate protocol will be followed for site visitors as described in a later section.

Personnel will wear PPE during any of the following conditions: (1) field activities involving the potential for exposure to contaminants, (2) site activities that may generate vapors, gases, particulates, mists, or aerosols, or (3) direct contaminant contact with skin. The type of required PPE is categorized by a level of protection as described below. Any respiratory protection plan implemented during on-site activities will be done in accordance with 29 CFR Part 1910.134.

The levels of protection and the equipment utilized are defined as follows:

6.1 Level D Protection

The following PPE will be considered Level D protection:

- Coveralls.
- Leather or chemical-resistant boots with a steel toe and shank.
- Work gloves.
- Safety glasses, chemical splash goggles, or face shield (as determined by the PS).
- Hard hat.
- Hearing protection (as determined by the PS).
- Outer latex disposable boots (optional).

6.2 Level D Modified Protection

Level D Modified protection will be used when an increased need for dermal protection is recognized but respiratory protection is not indicated. The following equipment will be used for Level D Modified protection:

- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard).
- Disposable nitrile or butyl rubber outer gloves (glove selection will be based on the site-specific contaminant hazard).
- Nitrile or latex inner gloves (glove selection will be based on the site-specific contaminant hazard).
- Polyvinyl chloride (PVC) boots (chemical-resistant) with a steel toe and shank.
- Hard hat.
- Hearing protection (as determined by the PS).
- Latex outer booties (optional).
- Safety glasses, chemical splash goggles or face shield (as determined by the PS).

6.3 Level C Protection

The following PPE will be considered Level C protection:

- Full-face piece air-purifying cartridge respirator with organic vapor/high-efficiency particulate filter cartridges (as site conditions warrant, a different APR cartridge may be specified in site-specific addenda).
- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard).
- Disposable nitrile or butyl rubber outer gloves.

Exhibit E
Construction Health
And Safety Plan
Guideline

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Nitrile or latex inner gloves.
- PVC boots (chemical-resistant) with a steel toe and shank.
- Hard hat.
- Hearing protection (as required).
- Latex outer booties (optional).
- Two-way radio communications.

The use of a full-face piece air-purifying respirator is approved only if the following applies:

- Substances are identified and their concentrations measured.
- Substances have adequate warning properties.
- Individual passes a qualitative fit test for the assigned respirator.
- An appropriate cartridge is selected based on the hazard.

It is particularly important that the air monitoring is effectively implemented when personnel are wearing Level C protection. No changes to the specified level of protection will be made without the approval of the PS.

Verbal communication on site may be impeded by background noise caused by heavy equipment or the use of PPE. Accordingly, hand held radios will be made available. If radios are not available, all individuals will remain within sight of the project leader and hand signals will be used between personnel within the work zone. Communications requirements will be reviewed during the site safety meetings.

The following hand signals will be used in the event of an emergency where audible communication is not possible:

Hand Signal

Meaning

Hand gripping throat

Out of air, cannot breath

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

Gripping partner's wrist or both hands on waist	Leave area now, no debate
Hands on top of head	Need assistance
Thumbs Up	OK, I'm all right, I understand
Thumbs Down	No, Negative

6.4 Level B Protection

The following PPE will be considered Level B protection:

- Pressure demand supplied air respirator or self-contained breathing apparatus.
- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard).
- Disposable nitrile or butyl outer gloves.
- Nitrile or latex inner gloves.
- PVC boots (chemical-resistant) with a steel toe and shank.
- Hard hat.
- Hearing protection (as required).
- Latex outer booties (optional).
- Two-way radio communications.

The use of a full-face piece air-purifying supplied air respirator is approved only if the following applies:

- Substances are identified and their concentrations measured.
- Individual passes a qualitative fit test for the assigned respirator.

Restrictive Covenant
Smith Castings
Kingsford, Michigan

6.5 Decontamination Procedures

It is the responsibility of the PS to make certain that all personnel and pieces of equipment leaving the site are properly decontaminated according to the procedures outlined in this section. All personnel exiting controlled work zones must follow decontamination procedures. Only during an emergency evacuation will personnel be allowed to leave the site before decontamination.

6.5.1 Level D Decontamination Procedures

The general decontamination procedures for workers in Level D conditions are illustrated on Figure E6-1. Gloves and outer boot covers will be washed and rinsed, if required. Steel-toed boots will also be scrubbed with decontamination solution, if required. Outer garments and Tyvek will be removed and deposited in plastic bags once they exit the hotline and prior to exiting the contamination control line. Hands and face will be washed as soon as possible.

6.5.2 Level C Decontamination Procedures

A sample decontamination procedure for workers wearing Level C Protection is illustrated on Figure E6-2. Equipment used in the exclusion zone (tools, sampling devices and containers, monitoring instruments, radios, clip boards, etc.) will be deposited on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross-contamination. Various size containers, plastic liners, and plastic drop cloths will be required for this task. Outer boots and gloves will be cleaned with the proper decontamination solution (hexane or methanol) and detergent/water. The outer gloves and boots will be rinsed and the rinse water will be contained in plastic buckets. Boots, gloves, and outer garments will be removed first, followed by removal of the respirator. Once the respirator is cleaned for storage or placed in an appropriate container, inner gloves may be removed. Workers will wash hands and face as soon as possible.

If a worker leaves the exclusion zone to change a respirator cartridge, it is not necessary to proceed through the entire contamination reduction zone. Once the worker's cartridge is exchanged, the outer glove and boot covers will be donned with joints taped and the worker may return to the exclusion zone.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

At a minimum, disposable items (e.g., Tyvek coveralls, inner gloves, and latex overboots) will be changed on a daily basis. Decontamination solutions will be changed daily or as conditions require.

Small equipment will be protected from contamination by draping, masking, or otherwise covering as much of the instrument as possible with plastic, without hindering the operation of the unit. Contaminated equipment will be taken from the drop area and the protective coverings removed and disposed in the appropriate containers. Any dirt or obvious contamination will be brushed or wiped with a disposable paper wipe. As necessary, air monitoring equipment will be placed in clear plastic bags that allow reading of the scale and operation of the knobs. The sensors or probes can be partially wrapped, keeping the sensor tip and discharge port clear.

To prevent trans-location of contaminants and inadvertent exposures to personnel, heavy equipment used in contaminated areas will be decontaminated prior to moving to a new location and before leaving the facility. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris. Where possible, contaminated soil deposits will be removed and containerized.
- After removal of gross debris, the equipment will be steam cleaned using a high-pressure washer (i.e., Hotsy).
- After steam cleaning, the equipment will be allowed to dry and will be reinspected. Any remaining visible debris will be re-cleaned through additional pressure washing.

After all debris is removed according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the close-out of the exclusion zone activities or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment wash rinsate will be containerized for proper disposal. Decontamination wash water will be collected and sent to either the on-site water treatment system or an off-site permitted treatment / disposal system.

Inspections of equipment for release from the facility will be completed by the PM or PS. Inspections will consist of visual observations, wipe sampling and cleaning solution analysis. Inspection results will be documented in field logbooks.

Exhibit E
Construction Health
And Safety Plan
Guideline

Restrictive Covenant
Smith Castings
Kingsford, Michigan

6.6 Heat Stress Control and Monitoring

The PS will set work and break schedules depending on how heavy the workload is and the outside temperature. Generally, workers conducting activities in protective clothing need to break in the shade at least 10 minutes out of every hour during temperatures elevated above 90 degrees Fahrenheit. Rest time will also include fluid replacement with electrolytes.

During conditions where the temperature, humidity, and solar radiation are high and the air movement is low, the following procedures will be implemented to prevent heat stress injury:

- Provide disposable cups and water. Urge workers to drink water regularly. Monitor for signs of heat stress.
- Make certain that adequate shelter is available to protect personnel against heat. If possible, set up a rest area in the shade.
- Workloads and/or duration of physical exertion will be less during the first days of exposure to heat and will be gradually increased to allow acclimatization.
- Heavy work will be scheduled during the cooler periods of the day (e.g., early morning), as possible.
- Alternate work and rest periods will be scheduled in heat stress conditions; in moderately hot conditions.

At the PS's discretion, monitoring activities for heat stress will be performed when workers are using protective clothing in elevated temperatures. Observation of the field team for signs and symptoms of heat stress which include:

1. pale, clammy skin progressing to hot, dry and red skin,
2. profuse perspiration,
3. cramps,
4. dizziness,

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

5. headaches,
6. nausea, and
7. fainting.

Heat stress monitoring will be done at the discretion of the PS, when temperatures are greater than 90 degrees Fahrenheit or workers exhibit any indication of heat stress. Signs and symptoms of heat stress are summarized in Table E6-1.

6.7 Cold Stress Control and Monitoring

Persons working outdoors in temperatures at or below freezing or with increased wind chill may experience two types of cold weather-related injuries: frostbite and hypothermia. Ambient air temperature and the velocity of the wind are the two factors that influence the development of a cold weather-related injury.

Frostbite is a cold weather-related injury. Areas of the body, which have high surface-area-to-volume ratios such as fingers, toes and ears, are most susceptible to frostbite. Frostbite of the extremities can be categorized into three types:

- **Frost nip or incipient frostbite:** This is characterized by skin blanching or whitening.
- **Superficial frostbite:** In this case, the skin has a waxy or white appearance and is firm to the touch, but the tissue beneath is resilient.
- **Deep frostbite:** When this occurs, the tissues are cold, pale and solid. Deep frostbite is an extremely serious injury.

Hypothermia is the second type of cold weather-related injury. Systemic hypothermia is caused by exposure to freezing or rapidly dropping temperatures. Its symptoms are usually exhibited in five stages: 1) shivering; 2) apathy, listlessness, sleepiness, and sometimes rapid cooling of the body to less than 95°F; 3) unconsciousness, glassy stare, slow pulse, and slow respiratory rate; 4) freezing of the extremities; and 5) death.

The term "wind chill" is used to describe the chilling effect of moving air in combination with low temperature. For instance, an air temperature of 10°F with a wind of 15 miles per hour (mph) is the equivalent in chilling effect of air at -18°F. As a general rule, the

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Page 78 of 135
VMJ Date 01/26/2012

GL 744/266
Time 09:42:48

Restrictive Covenant
Smith Castings
Kingsford, Michigan

greatest incremental increase in wind chill occurs when a wind of 5 mph increases to 10 mph. Because of the effects of wind chill, there is a greater danger from cold-related injuries on cold, windy days, than on cold days where there is little or no wind.

Water conducts heat 240 times faster than air. Therefore, the body cools more quickly when damp or wet. Site personnel may become wet from: decontamination water, contact with on-site water (e.g., surface ponding, perched water in the excavation, etc.), precipitation, or perspiration. Care will be taken to minimize the possibility of workers becoming damp or wet. If workers do become damp or wet, efforts will be made to minimize the time that the worker is exposed to the cold. If clothing beneath the personal protective clothing becomes damp, the PS will assess site specific weather conditions to determine if it is appropriate for site workers to remove protective clothing outdoors.

In general, the PS will follow these procedures to reduce cold stress:

- Install heaters in the support zone and/or trailers to provide a warming area for site personnel if necessary.
- Rotate shifts of workers.
- Schedule work and rest periods.
- Monitor workers' physical conditions.

7. Air Monitoring

Air quality monitoring will be conducted as appropriate for the identification and quantification of potential airborne contaminants when construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover are performed. Both direct-reading instruments and laboratory analysis of air samples may be used for air monitoring activities. Monitoring of methane gas, oxygen, and explosive levels in the breathing zone will be emphasized. General on-site monitoring will include visual inspection of the site to look for places where vapors may gather such as confined spaces, low-lying areas, and wind barriers.

7.1 Air Monitoring

Standard monitoring instruments that may be used for monitoring site conditions include combustible gas indicators (CGI), photo-ionization detectors (PID), flame ionization detectors (FID), oxygen meters, colorimetric indicator tubes, and organic vapor analyzers (OVA). A MIE Data-RAM, or equivalent unit, can be used to monitor total suspended particulates. The contractor will identify specific monitoring instruments in their CHASP.

Upwind vapor levels and work zone levels will be obtained prior to initiation of activities, and will be repeated at pre-specified time intervals. An initial monitoring frequency of once per hour can be used. Once site conditions are characterized, monitoring frequency may be decreased to a frequency specified in the Contractor CHASP Monitoring Plan. Site monitoring will also be completed when site conditions change, for instance, when work begins on a different portion of the site, a different contaminant is being handled, or a different type of operation is begun.

7.2 Perimeter Monitoring

A plan for perimeter monitoring will be incorporated into the Contractor CHASP to be implemented only if on-site monitoring of activities indicates the presence of hazardous vapors. This will be used to ensure that airborne contaminants are not migrating beyond the site boundaries at concentrations harmful to human health. Initially, perimeter monitoring may be limited to particulates. If action levels for onsite monitoring with regard to particulates, VOCs, or SVOCs are exceeded, an evaluation will be made as to the extent of these impacts. If such impacts are determined to

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

extend to the perimeter of the exclusion zone, perimeter monitoring will be expanded to analysis of VOCs and SVOCs, and engineering controls will be implemented.

7.3 Organic Vapor Monitoring

Air quality in the breathing zone will be evaluated by collecting readings of organic vapor levels. Air monitoring readings will be collected periodically as specified in the Contractor CHASP, and at the discretion of the PS. Observation of wind direction during investigation activities will be emphasized. The contractor will select the most suitable instrument for air monitoring purpose, considering the presence of methane in the atmosphere. A flame-ionized vapor analyzer requires methane filtration for an actual organic vapor reading, while a photo-ionization detector does not detect methane. To prevent confusion among work groups working at multiple locations, a single set of action levels for organic vapors will be used.

Based on the list of chemicals of concern provided in Table E4-1, the Contractor will select hazardous chemicals that require monitoring. A plan will be presented that will include the identification and quantification of the selected constituents prior to the beginning of construction activities. Draeger gas detectors can be used for gas identification and quantification. Following initial detection of gases, the Contractor CHASP will provide levels of organic vapors at which specified actions will be required. The plan will call out specific concentrations at which field personnel will change to a higher level of PPE, or at which engineering controls will be implemented. Typical action levels are provided in Table E7-1.

The PS must be responsible for monitoring, calibrating, and maintaining the instruments. Calibrations and maintenance for all instruments will be completed in accordance to the manufacturer's recommendations. Calibrations will be recorded and the following information will be recorded in the calibration logbook to be maintained according to Section 2:

- Instrument and instrument serial number.
- Calibration gas and lot number.
- Initial reading.
- Final Reading.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Any adjustments or maintenance.
- Name of the person performing the adjustments or maintenance.
- Date and time.

7.4 Combustible Gas/Oxygen Monitoring

The PS will ensure that combustible gas indicator/oxygen levels (CGI/O₂) are measured prior to entry into open excavations, sumps, confined spaces, or other sites/conditions where a flammable, combustible, or oxygen-deficient atmosphere may be present. To ensure accurate measurements, the O₂ concentration will be measured before the lower explosive limit (LEL) concentration. The Contractor will present a schedule for CGI/O₂ monitoring based on known methane issues and the constituent of concern list in Table E4-1.

Action levels for LEL and O₂ will be identified in the Contractor CHASP. When used, CGI/O₂ meters must be maintained and calibrated before use in accordance with manufacturers' instructions.

7.5 Noise Level Monitoring

Noise level monitoring will be performed for operations having the potential for generating noise levels that could result in overexposures. Monitoring will be accomplished in accordance with the following:

- Monitoring will be performed using a sound level meter or noise dosimeter as appropriate.
- Sound level meters will be calibrated and operated in accordance with manufacturers' instructions.
- Noise level readings will be documented in health and safety logbooks.
- Calibration check results will be documented in the site calibration logbook.
- Employees will be notified in writing of all noise monitoring results pertinent to their work activities.

Page 81 of 135
VMJ Date 01/26/2012 GL 744/269
Time 09:42:48

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- The Contractor will identify the action level for hearing protection as well as the monitoring frequency.
- Results will be forwarded to Corporate Health and Safety for inclusion in employee medical records.

8. Site Control

The purpose of site control is to minimize potential contamination of workers, protect the public from the site's hazards, and prevent vandalism when performing construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. Site control is essential in emergency situations. The plan for site control includes established work zones, site preparation, use of the buddy system, established and enforced decontamination procedures for personnel and equipment, site security measures, communication networks, and safe work practices.

8.1 Site Preparation

Prior to commencement of construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover, the site will be prepared to minimize or eliminate any potential safety concerns. Site preparation can also be hazardous, and the following steps will be taken, where necessary:

- Construct roadways to provide ease of access and a sound roadbed for heavy equipment and vehicles.
- Arrange traffic flow patterns to ensure safe and efficient operations.
- Eliminate physical hazards from the work area as much as possible, including:
 - Ignition sources in flammable hazard area.
 - Exposed underground electrical wiring and low overhead wiring that may entangle equipment.
 - Sharp or protruding edges, such as glass, nails, and torn metal which can puncture protective clothing and equipment and inflict puncture wounds.
 - Debris, holes, loose steps or flooring, protruding objects, slippery surfaces, or unsecured railings, which can cause falls, slips, and trips.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Unsecured objects, such as bricks and gas cylinders, near the edges of elevated surfaces, which may dislodge and fall on workers.
- Construct operation pads for mobile facilities and temporary structures.
- Construct loading docks, processing and staging areas, and decontamination pads.
- Provide adequate illumination for work activities. Equip temporary lights with guards to prevent accidental contact.
- Install all wiring and electrical equipment in accordance with the applicable code.

8.2 Work Zones

Prevention of exposure to and spread of constituents by activities at the site will be achieved through the establishment of work zones. Three work zones will be used including: 1) Exclusion Zone; 2) Contaminant Reduction Zone; and 3) Support Zone. Flagging or barrier tape will be used to delineate each of these three zones.

8.2.1 Exclusion Zone

The Exclusion Zone is the area where all earthwork and clearing activities are conducted, and where chemical constituents and physical hazards are potentially present. Only properly trained individuals who are wearing appropriate PPE will be allowed to enter and work in this zone. Level D protection will be required for workers in this zone. The size of the Exclusion Zone incorporates the entire area where the cover system will potentially be disturbed and adequate space for movement of heavy equipment. Personnel in the Exclusion Zone will remain within sight of the PS or have radio communication with the PS.

8.2.2 Contaminant Reduction Zone

The Contaminant Reduction Zone (CRZ) is a transitional area between the Exclusion Zone and the clean area. The CRZ contains a corridor that leads from the Exclusion Zone to the Support Zone. This corridor may contain wash buckets, solid waste disposal containers, brushes, and equipment drop tarps. All decontamination activities will occur in the contaminant reduction corridor. The CRZ has a decreasing level of contamination, moving outward. The outer boundary of the CRZ is called the

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

contamination control line, which separates the possibly low contamination area from the clean support zone. The CRZ is also the area where equipment resupply takes place, samples are prepared prior to transport to laboratory, where rest area(s) are designated for workers (including portable toilet facilities, bench/chair, liquids, and shade), and storage of emergency response equipment.

8.2.3 Support Zone

The Support Zone is the area where the field team will be when not performing site work. This area is to be used for meal breaks, eating, clean equipment storage, and staging. This zone will be located in an unaffected area and as far upwind from the exclusion zone as practical. The Support Zone is also the location for administrative personnel and office equipment. A portable first aid and eye wash station and toilets will be located here.

8.3 General Work Rules

Fieldwork will be conducted only during daylight hours unless adequate artificial lighting is provided. The "buddy" system will be observed at all times when site personnel are required to wear respiratory protection.

Entry into and exit from the continuous work area, Exclusion Zones, and Contamination Reduction Zone will be permitted only through designated access points, except during an emergency or as authorized by the PS. Personnel entering the Exclusion Zone must be wearing the required minimum protective clothing as specified in Section 6.0 and they must exit these areas via the Decontamination Station.

Hands and face must be thoroughly washed as soon as possible after leaving the work area and before eating or drinking. No excessive facial hair, which interferes with a satisfactory fit of the respirator mask-to-face seal, is allowed on personnel required to wear respiratory protective equipment. The PS will determine if facial hair presents such interference.

Personnel assigned for on-site activities must be adequately trained and briefed on anticipated hazards, instruction on handling hazardous materials, if applicable, instruction on harmful plants, animals or insects, if applicable, equipment to be worn, safety practices to be followed, emergency procedures, and communications. Daily safety meetings will be held with field personnel prior to the start of work.

Page 85 of 135
NMJ Date 01/26/2012
GL 744/273
Time 09:42:48

Field activities will comply with OSHA 28 CFR Parts 1926/1910 Safety and Health Standards for the Constructive Industry. Regular inspections of the site, materials and equipment will be made by the SHSO to certify compliance with Subpart C (29 CFR Part 1926.20) General Safety and Health Provisions. The Contractor CHASP will be available on the site for inspection.

8.3.1 Overhead Utilities

Any overhead wire will be considered an energized line unless the person owning that line or the electrical utility authorities verify and provide documentation that it is not an energized line and that it has been visibly grounded.

A person will be designated to observe excavation or other equipment and to give timely warning of all operations where it is difficult for the operator to maintain the desired clearance by visual means. Parameters for minimum clearance from energized overhead lines are presented in the following table. The only acceptable method of proving inactive or de-energized state is through an effectively implemented and documented control of a hazardous energy program. Electricity in all structures will be considered to be on until proven inactive.

Minimum Clearance From Energized Overhead Electric Lines	
Nominal System Voltage (Kilovolts)	Minimum Required Clearance (feet)
0 – 50	10
51 – 100	12
101 – 200	15
201 – 300	20
301 – 500	25
501 – 750	35
751 – 1000	45

8.3.2 Inclement Weather

Natural phenomena (e.g., heat or cold, rain, snow, ice, and lightning) can affect work activities and increase risk. Additionally, extremes in temperature and moisture could

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

affect the function of monitoring instrumentation and PPE. It is the responsibility of the SHSO to recognize weather conditions and adjust site activities accordingly.

8.3.3 Manual Lifting

Personnel performing material handling will abide by the following guidelines:

- **DO** design manual lifting and lowering out of the task and workplace. If manual lifting must be accomplished, perform it between knuckle and shoulder height.
- **DO** be in good physical shape. If you are not used to lifting and vigorous exercise, do not attempt to do difficult lifting or lowering tasks.
- **DO** think before acting. Place material conveniently within reach. Have handling aids available. Make sure sufficient space is cleared.
- **DO** get the load close to your body. Test the weight before trying to move it. If it is too bulky or heavy, get a mechanical lifting aid or somebody else to help, or both. Place your feet close to the load. Stand in a stable position with the feet pointing in the direction of movement. Lift mostly by straightening the legs.
- **DO NOT** twist the back or bend sideways.
- **DO NOT** lift or lower awkwardly.
- **DO NOT** hesitate to get mechanical help or help from another person.
- **DO NOT** continue lifting when the load is not of a manageable weight.

8.3.4 Portable Ladders

All portable ladders will be used for their designated purposes only, and will be constructed, maintained, and used in accordance with American National Standards Institute standards A-14.1 and A-14.2, OSHA 29 CFR Part 1926 Subpart X, and manufacturers' instructions. Before use, each ladder will be inspected to verify that all parts are in good condition and all components function properly. Defective ladders will be tagged "do not use" by the SHSO.

In general, personnel will follow these guidelines when using portable ladders:

- Set ladders on flat, firm surfaces.
- Contact both handrails of a straight ladder with the upper support.
- To prevent slippage of a straight ladder, use another person to hold the ladder in place or tie the ladder securely to the upper support.
- Retain a ratio of 4 to 1 regarding the height of extension related to the distance of the bottom of the ladder to the well or vertical plane (1 foot out for every 4 feet up).
- Extend the handrails of a straight ladder at least 36 inches above the upper support.
- Do not use metal ladders around electrical conductors.
- Do not allow a second person to use the same ladder that you are using.
- Do not stand on the top two rungs of ladder or within 3 feet of the top of the ladder.
- Position the ladder so that no more than half of your body extends beyond either handrail during the work activity.

Review ladder raising and usage techniques as applicable under the guidance of the PS.

8.3.5 Heavy Equipment Safety

Heavy equipment can present a variety of hazards. In general, the SHSO will observe the following procedures:

- Require subcontractors to provide equipment that meets the requirements of all relevant OSHA standards.
- Inspect equipment before use. At a minimum, guarding, hydraulics, hoisting, rigging, and overall condition will be reviewed. Correct deficiencies before equipment is used.

Exhibit E
Construction Health
And Safety Plan
Guideline

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Verify operator qualifications before beginning work.
- Conduct noise monitoring to ensure that personnel are adequately protected.
- Equip all equipment with operational backup alarms and a fire extinguisher.
- Review copies of all pertinent inspections before the start of work.
- Investigate any safety and health concerns arising during the course of work.

8.3.6 Driver Safety

During the performance of this work, all personnel using project vehicles will possess a valid driver's license, passes any necessary permit, and obey all posted speed limits, traffic signs, and traffic signals.

8.3.7 Power and Hand Tools

Personnel will use power and hand tools in accordance with the following procedures:

- Use tools only after being trained.
- Maintain tools in good condition and inspect them prior to use.
- Use electrical tools that are double-insulated or have a ground plug.
- Use tools for their intended purpose only.
- Remove unsafe tools from service and tag with "Do not use".

8.3.8 Hand Protection

In addition to required PPE, field personnel will wear protective gloves as needed when handling materials or performing other work that could result in hand injury.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

8.3.9 Lockout/Tagout

In accordance with 29 CFR Part 1910.147, the site personnel will use lockout/tagout procedures as necessary to control employee exposure to hazardous energy sources, particularly underground and aboveground utilities and services. Subcontractors will present their lockout/tagout procedures to the PHSM.

8.3.10 Traffic Control

The PS will coordinate all activities impacting base traffic. Unauthorized vehicles will be controlled through the use of barricades, cones, or other warning devices.

8.3.11 Material Storage

A strategy for storage of flammable and combustible liquids, compressed gasses, and corrosives will be presented in the Contractor CHASP.

8.3.12 Fire Prevention

To prevent the occurrence of fires on the project, the following will be completed in accordance with 29 CFR Part 1926.151:

- Electrical installations will meet the requirements of Rule 408.41701 et seq. of the Michigan Occupational Safety and Health Act 29 CFR Part 1926, Subpart K.
- Potential sources of fire ignition will be located away from fuel sources.
- Flammable and combustible liquids and compressed gasses will be stored in accordance with the Construction Waste Management Plan (CWMP).
- Fire extinguishers will be provided for the site in accordance with applicable portions of Rule 408.41851 and Rule 408.41852.

8.3.13 Inspections

Contractor will be prepared for health and safety inspections by Michigan Department of Consumer and Industry Services, Construction Safety Division or any other county or city official with authoritative power.

8.4 Site Security

The Contractor CHASP will also call out a plan to maintain site security. Site security measures are necessary during and after normal working hours to:

- Prevent exposure of unauthorized, unprotected people to the site hazards.
- Prevent vandalism and increased hazards of persons trying to dispose other waste on the site.
- Prevent theft.
- Avoid interference with safe working practices.

Security protocol provided in the Contractor CHASP will include the following provisions:

- Assign the responsibility of enforcing security measures to a person who acknowledges that responsibility.
- An identification system to identify authorized persons as well as the limitations to their approved activities.
- Post signs around the perimeter of the site.
- Secure equipment for overnight storage.
- All site visitors will be approved, signed in, and given the proper PPE.

8.5 Site Visitors

Visitors to the site will be instructed to stay outside of the barricaded or exclusion zone and remain within the support zone during the extent of their stay. Visitors will be cautioned to avoid skin contact with potentially contaminated surfaces. During visitation, hand-to-mouth transfers will be reduced with special warnings not to eat, drink, smoke, or chew gum or tobacco. The use of alcohol during site visitation is prohibited.

Authorized visitors requiring observation of the work in the exclusion zone must read the Contractor CHASP and sign a form stating that they have read and understand the

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

safety protocol and will abide by it (Figure E2-4). All visitors entering the exclusion zone must wear appropriate personal protective gear. The Contractor CHASP will specify how site visitors will be controlled and what protective gear will be provided. Access to the site by visitors will be restricted as follows:

- All site visitors must notify the PS or his/her designee before obtaining access to a support zone.
- Site visitors entering controlled work zones will be strictly limited. The PS must approve entry and the visitor must demonstrate medical and training clearance to enter a controlled work zone and must be given site-specific training.
- All site visitor access must be clearly documented, and visitors must comply with all provisions of the Contractor CHASP.

8.6 Disposal of Material

Disposal of materials generated on-site will be in accordance with the CWMP developed for the IRAP.

9. Engineering Controls

A variety of external measures can be used to influence site conditions to prevent them from becoming hazardous, or to reduce the risk of harm to human health when conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. At a minimum, the following measures, or engineering controls, will be included in the Contractor CHASP.

1. Water sprayers will be used to control excessive dust conditions. The CHASP will state at what levels dust suppression will be used.
2. An oxygen analyzer will be used to monitor oxygen content in the air within the exclusion zone. If levels reduce to 19.5% oxygen or less in the breathing zone, work will be temporarily halted and industrial fans will be used for forced ventilation of the work area. Work cannot commence until oxygen levels in the breathing zone have normalized. In the event that oxygen concentrations increase to 23% or greater, work will be halted, but no ventilation will be applied. The work area will be allowed to ventilate naturally.
3. Ventilation of methane from the subsurface will be performed as described in the Operation and Maintenance plan.

Additional engineering control measures may be added to the Contractor CHASP where appropriate.

10. Emergency Procedures

On-site personnel will use the following standard emergency procedures when conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. The PS will be notified of any on-site emergencies and be responsible for ensuring that the appropriate procedures are followed. An emergency report (Figure E2-6) will be completed and submitted to the site PS for each instance of employee injury or possible exposure.

10.1 Emergency Phone Numbers and Hospital Location

Emergency phone numbers (Table E10-1) will be posted at a conspicuous place in the Support Zone. Directions to Dickinson County Memorial Hospital are given in Table E10-1, and a map with the route to the hospital is presented as Figure E10-1. The PS will be responsible for making sure that all field personnel are familiar with the location of the hospital, and know where the emergency phone list and directions to the hospital are located.

10.2 Personnel Injury in the Exclusion Zone

In the event of an injury in the Exclusion Zone, all site personnel will assemble at the decontamination line. The PS will evaluate the nature of the injury and the affected person will be decontaminated to the extent possible prior to movement to the Support Zone. Appropriate first aid will be initiated, and contact will be made with the Dickinson County Memorial Hospital for an ambulance (if required) (Table E10-1). No person will re-enter the Exclusion Zone until the cause of injury or symptoms are determined. An injury report will be created and submitted to the established authority for action (Figure E2-6).

10.3 Personnel Injury in the Support Zone

Upon notification of an injury in the Support Zone, the PM and PS will assess the nature of the injury. If the cause of the injury or loss of the injured person does not affect the performance of site personnel, operations may continue, and the appropriate first aid and necessary follow-up, as stated above, will be initiated. An injury report will be created and submitted to the established authority for action (Figure E2-6). Approved first aid kits will be kept in appropriate places on the work site. The PS will be responsible for making sure personnel are familiar with the first aid kit locations. The PS will also be responsible for the maintenance of the first aid kits.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

10.4 Fire/Explosion Emergency Procedures

The threat of fire/explosion on this work site is considered high because of potential concentrations of methane gas in the subsurface. In addition, fire hazards exist in the following activities:

- Equipment refueling.
- High pressure water cleaning, fuel storage, and refueling.
- Presence of solvent contamination.

The PS will check to see that each vehicle fire extinguisher is appropriate for the fire hazard present at this site. Generally, Type A, B, and C extinguishers are appropriate. The field team will be prepared to fight small fires with extinguishers. In the event of a large fire, the field team will contact the appropriate authorities and report the fire.

10.4.1 Emergency Procedures

In an emergency, the PS (or alternate PS) will assume total control and decision making on site. In the event of a chemical spill, the release reporting procedures as detailed in the Waste Management Plan will be followed and the PS will attempt to containerize the material. In the event of a fire or explosion, the PS will take the following actions:

- Notification of site personnel and appropriate authorities.
- Shutdown site activities.
- Account for site workers at decontamination corridor.
- Evacuate the site, if necessary.

Methane in the gas state is a dangerous fire and explosion hazard when exposed to heat or flame. Care will be taken to eliminate sources of potential ignition, such as smoking, and non-explosion-proof electrical and internal combustion equipment. The use of flame devices such as cutting torches or welding equipment will only be done with approval of the PS after combustible gas (gc) monitoring. In the event of a small

Exhibit E
Construction Health
And Safety Plan
Guideline

Restrictive Covenant
Smith Castings
Kingsford, Michigan

methane fire, the field team will be prepared to control the fire using CO₂ or dry chemical.

Upon notification of an on-site fire or explosion, all site personnel will assemble at the decontamination line. The fire department will be alerted by calling 911 for response services. All site personnel will be moved a safe distance from the involved area.

If PPE worn by personnel falls or is otherwise altered in such a manner that the level of protection is affected, the workplace must be vacated. The person affected will immediately leave the work zone. Re-entry will not be permitted until the equipment has been repaired or replaced.

Field personnel must notify the PS when any on-site equipment fails to operate properly. The PS will determine the effect of this failure on continuing operations on-site. If the failure affects the safety of personnel or prevents completion of assigned tasks, all personnel will leave the work zone until the situation is evaluated and appropriate actions taken.

In all situations, when an onsite emergency results in evacuation, personnel will not re-enter until:

1. The conditions resulting in emergency have been corrected,
2. The hazards have been reassessed,
3. The CHASP has been reviewed; and
4. Site personnel have been briefed on any changes in the CHASP.

10.4.2 Emergency Medical Care

The following describes emergency procedures when it is suspected that a person has suffered from chemical exposure.

Dickinson County Memorial Hospital (Phone # 906-779-4555) will be contacted in an emergency. The hospital is located at 1721 Stephenson Avenue, Iron Mountain, Michigan, and a map of the route and alternate routes is attached as Figure E10-1. A local ambulance service is available by calling 911. First-aid equipment (including a first-aid kit, emergency eye wash, or emergency shower) will be available on site.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

Skin Contact

1. Flush with water.
2. Remove clothing, if necessary.
3. Wash and rinse affected area for at least 20 minutes. Decontaminate and provide appropriate medical attention.

Inhalation

1. Move person away from area.
2. Administer CPR as needed.
3. Decontaminate and transport to hospital for medical attention (Figure E10-1).

Ingestion

1. Decontaminate and transport to hospital for medical attention.

Eye Contact

1. Irrigate with water for at least 15 minutes.
2. Decontaminate and transport to hospital for medical attention (Figure E10-1).

In the event of a serious accident/injury, the PS will make an immediate telephone report to the PM outlining all details of the accident/injury and action(s) taken. This reporting procedure will be accomplished using the Contractor's Accident/Incident Report. The report will include at a minimum the following information:

- Chronological history of the incident.
- Facts concerning the incident and when they became available.
- Title and names of personnel involved.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Smith Castings
Kingsford, Michigan

- Actions (decisions made and by whom) orders given (to whom, by whom, and when) action taken (who did what, when, where, and how).
- Possible exposure(s) of site personnel.
- History of all injuries or illnesses during or as a result of the emergency.

In the event of a spill of hazardous materials on site, the PS will control the spill and proceed to absorb and containerize the material. In addition, the PS may conduct air monitoring to characterize exposure hazards from the incident.

Tables

Table E4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
ORGANICS					
VOCs					
Acetone	250 ppm	2500 ppm	Inh, Ing, Con	9.69 eV	12.8%/2.5%
Benzene ¹	CA (0.1 ppm)	CA (500 ppm)	Inh, Abs, Ing, Con	9.24 eV	7.8%/1.2%
1,2-Dichloroethene	None	None			
Ethylbenzene	100 ppm	800 ppm	Inh, Ing, Con	8.76 eV	6.7%/0.8%
Methane	None	None	Asphyxiant		15%/5.3%
Naphthalene	10 ppm	250 ppm	Inh, Abs, Ing, Con	8.12 eV	5.9%/0.9%
1,1,2,2-Tetrachloroethane	CA 1 ppm	100 ppm	Inh, Abs, Ing, Con	11.10 eV	ND/ND
Toluene	100 ppm	500 ppm	Inh, Abs, Ing, Con	8.82 eV	7.1%/1.1%
1,2,4-Trichlorobenzene	C 5 ppm	ND	Inh, Abs, Ing, Con	ND	6.6%/302 degF
Trichloroethene (also called Trichloroethylene)	25 ppm	CA (1,000 ppm)	Inh, Abs, Ing, Con	9.45 eV	10.5%/8%
1,2,4-Trimethylbenzene	25 ppm	ND	Inh, Ing, Con	8.27 eV	6.4%/0.9%
1,3,5-Trimethylbenzene	25 ppm	NA	Inh, Ing, Con	8.39 eV	ND/ND
m-Xylene	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.56 eV	7.0%/1.1%
o-Xylene	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.56 eV	6.7%/0.9%
p-Xylene	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.44 eV	7.0%/1.1%
SVOCs					
Acenaphthalene	None	None			
Anthracene	None	None			
Benzo(a)anthracene	None	None			

Footnotes on Page 5.

Table E4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
SVOCs (continued)					
Benzo(a)pyrene	CA- 0.1 ppm	CA- 80 ppm	Inh, Con	varies	varies
Benzo(b)fluoranthene	None	None			
Benzo(g,h,i)perylene	None	None			
Benzo(k)fluoranthene	None	None			
Bis(2-ethylhexyl) phthalate	None	None			
2-Butanone	200 ppm	3000 ppm	Inh, Ing, Con	9.54 eV	11.4%/1.4%
Butylbenzene phthalate	None	None			
Carbon sulfide	None	None			
Chrysene	CA- 0.1 ppm	CA- 80 ppm	Inh, Con	varies	varies
Cis-1,2-dichloroethene	None	None			
2,4-Dimethylphenol	None	None			ND/ND
Di-n-butyl phthalate	5 ppm	4000 ppm	Inh, Ing, Con	ND	
Fluoranthene	0.5 ppm	50 ppm	Inh, Abs, Ing, Con	ND	ND/ND
Fluorene	None	None			
1-Hexanone	1.0 ppm	1600 ppm	Inh, Abs, Ing, Con	9.34 eV	8%/ND
Indeno(1,2,3-cd)pyrene	None	None			
Isopropylbenzene	None	None			
Isopropyltoluene	None	None			
Methylene chloride	CA - ND	CA 2300 ppm	Inh, Abs, Ing, Con	11.32 eV	23%/13%
	OSHA = 25 ppm				
2-Methylnaphthalene	None	None	Ing		ND/ND
2-Methylphenol	None	None			

Footnotes on Page 5.

Table E4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ionization Potential	UJEL/LEL
4-Methylphenol	2.3 ppm	250 ppm	Inh, Abs, Ing, Con	8.97 eV	ND/1.1%
2-Methyl 2-pentanone	None	None			
N-butylbenzene	None	None			
N-nitrosodiphenylamine	CA-ND	CA-ND	Inh, Abs, Ing, Con	8.69 eV	ND/ND
N-propylbenzene	None	None			
Naphthalene	10 ppm	250 ppm	Inh, Abs, Ing, Con	8.12 eV	5.9%/0.9%
Phenanthrene	None	None			
Phenol	5 ppm	250 ppm	Inh, Abs, Ing, Con	8.50 eV	8.6%/1.6%
Pyrene	None	None			
Sec-butylbenzene	None	None			
Tetrachloroethene	None	None			
Trichloroethene	CA - ND	CA 1000 ppm	Inh, Abs, Ing, Con	9.45 eV	10.5%/8.5%
<u>Pesticides and Non-VOCs</u>					
Aldrin	CA (0.25 ppm)	CA 25 ppm	Inh, Abs, Ing, Con	ND	NA/NA
Aroclor 1248	None	None			
BHC (alpha)	None	None	full name?		
BHC (gamma)	None	None	full name?		
4-4' DDD			full name?		
4-4' DDE			full name?		
Chlordane (alpha)	CA (0.5 ppm)	CA (100 ppm)	Inh, Abs, Ing, Con	ND	NA/NA
Chlordane (gamma)	CA (0.5 ppm)	CA (100 ppm)	Inh, Abs, Ing, Con	ND	NA/NA
Cholesterol	None	None			
Dibenzofuran	None	None			

Footnotes on Page 5.

Table E4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ioniation Potential	UEL/LEL
<u>Pesticides and Non-VOCs (continued)</u>					
Dieldrin	CA (0.25 ppm)	CA (50 ppm)	Inh, Abs, Ing, Con	ND	NA/NA
Diethyl phthalate	5 ppm	ND	Inh, Ing, Con	ND	NA/0.7%
Endosulfan II	0.1 ppm	ND	Inh, Abs, Ing, Con	ND	NA/NA
Endrin	0.1 ppm	2 ppm	Inh, Abs, Ing, Con	ND	NA/NA
Endrin aldehyde	None	None			
Endrin ketone	None	None			
Heptachlor epoxy**	CA (0.5 ppm)	CA (35 ppm)	Inh, Abs, Ing, Con	ND	NA/NA
Methoxychlor	CA - ND	CA (5000 ppm)	Inh, Ing	ND	NA/NA
	OSHA = 15 ppm				
<u>Inorganics (Metals)</u>					
Aluminum	2.0 ppm	ND	Inh, Ing, Con	Varies	NA/NA
Antimony	0.5 ppm	50 ppm	Inh, Ing, Con	NA	NA/NA
Arsenic	0.002 ppm	5 ppm	Inh, Abs, Ing, Con	NA	NA/NA
Barium	0.5 ppm	50 ppm	Inh, Ing, Con	NA	NA/NA
Beryllium	CA-0.0005 ppm	4 ppm	Inh, Con	NA	NA/NA
Cadmium	CA-0.005 ppm (OSHA)	9 ppm	Inh, Ing	NA	NA/NA
Calcium	None	None			
Chromium	0.5 ppm	25 ppm	Inh, Ing, Con	NA	NA/NA
Cobalt	0.05 ppm	20 ppm	Inh, Ing, Con	NA	NA/NA
Copper	1.0 ppm	100 ppm	Inh, Ing, Con	NA	NA/NA
Iron	5.0 ppm	ND	Inh	NA	NA/NA
Lead	0.05 ppm	100 ppm	Inh, Ing, Con	NA	NA/NA
Magnesium	15.0 ppm	750 ppm	Inh, Con	NA	NA/NA
Manganese	1 ppm	500 ppm	Inh, Ing, Con	NA	NA/NA

Footnotes on Page 5.

Page 18 of 135
 Date 01/26/2012
 Time 09:42:48
 GL 744/291

Table E4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ionation Potential	UEL/LEL
Inorganics (Metals) (continued)					
Mercury	0.5 ppm (vapor) 0.1 ppm (other)	10 ppm	Inh, Abs, Ing, Con	NA	NA/NA
Molybdenum	5.0 ppm	1000 ppm	Inh, Ing, Con	NA	NA/NA
Nickel	0.015 ppm	10 ppm	Inh, Ing, Con	NA	NA/NA
Potassium	None	None			
Selenium	0.2 ppm	1.0 ppm	Inh, Ing, Con	NA	NA/NA
Silver	0.01 ppm	10 ppm	Inh, Ing, Con	NA	NA/NA
Sodium	None	None			
Thallium	0.1 ppm	15 ppm	Inh, Abs, Ing, Con	NA	NA/NA
Titanium	CA - ND (15 ppm OSHA)	5000 ppm	Inh	NA	NA/NA
Vanadium	OSHA = C 0.5 ppm	35 ppm	Inh, Ing, Con	NA	NA/NA
Zinc	5 ppm	500 ppm	Inh	NA	NA/NA

UEL Upper Explosive Limit.
 LEL Lower Explosive Limit.
 PEL Based on 8 Hour Time-Weighted Averaged.
 ppm Part Per Million = mg/L.
 ppb Parts Per Billion = µg/L.
 PCBs Polychlorinated biphenyls.
 Abs Skin Absorption.
 Ing Ingestion
 Con Skin and/or Eye Contact
 Inh Inhalation
 NA Not Applicable
 ND Not Determined

Page 104 of 135
 MJ Date 01/26/2012

GL 744/292
 Time 09:42:48

Table E4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.

eV	Electron Volts
	OSHA level of protection criteria is listed when NIOSH exposure limit is not specified. Level of protection criteria for benzene obtained from OSHA 29 CFR 1910.1028/Benzene/Toxic and Hazardous Substances.
IDLH	Immediately Dangerous to Life or Health. In the event of respirator failure, one could escape within 30 minutes without experiencing any irreversible health effects.
CA	NIOSH has recommended the substance be treated as a potential human carcinogen. IDLH not listed. Level of protection criteria should be the lowest detectable concentration.
*	Eye protection is also necessary.
**	Listed as Heptachlor
From:	<ul style="list-style-type: none"> - NIOSH Pocket Guide to Chemical Hazards. - Groundwater Chemicals Desk Reference Montgomery and Welkom. - Dangerous Properties of Industrial Chemicals, Sat and Lewis.

Table E6-1. Signs and Symptoms of Chemical Exposure and Heat Stress that Indicate Potential Medical Emergencies, Ford/Kingsford Site, Kingsford, Michigan.

Type of Hazard	Signs and Symptoms
<u>Chemical Hazard</u>	Behavioral changes Breathing difficulties Changes in complexion or skin color Coordination difficulties Coughing Dizziness Diarrhea Fatigue and/or weakness Irritability Irritation of eyes, nose, respiratory tract, skin, or throat Headache Light-headedness Nausea Sneezing Sweating Tearing Tightness in the chest
<u>Heat Exhaustion</u>	Clammy skin Confusion Dizziness Fainting Fatigue Heat Rash Light-headedness Nausea Profuse sweating Slurred speech Weak pulse
<u>Heat Stroke</u> (may be fatal)	Confusion Convulsions Hot skin, high temperature (yet may feel chilled) Incoherent speech Staggering gait Sweating stops (yet residual sweat may be present) Unconsciousness

Table E7-1. Action Levels, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.

Instrument	Reading	Action
<u>PID</u>	< 10 ppm or = 10 ppm	Level D
	>10 ppm, <50 ppm	Level C
	>50 ppm	Stop Work
<u>MIE Miniram</u>	<1.0 mg/m ³	Continue work
	>1.0 mg/m ³ < 2.5 mg/m ³	Level C or implement dust suppression
	>2.5 mg/m ³	Stop work
<u>Combustible Gas Indicator</u>	<20% or = 20% LEL	Continue Work
	>20% LEL	Stop Work. Allow to ventilate
<u>Oxygen Analyzer</u>	<19.5% or =19.5%	Stop work, raise oxygen content with forced ventilation
	> 23% or = 23%	Stop work, allow area to ventilate

LEL Lower explosive limit.
mg/m³ Milligrams per cubic meter.
PID Photoionization detector.
ppm Parts per million.

Table E10-1. Emergency Phone Numbers and Directions to Dickinson County Memorial Hospital,
 Ford/Kingsford Site, Kingsford, Michigan.

Site Area Code	906
Police Emergency	911
Police Non-Emergency	774-2525
Fire Emergency	911
Fire Non-Emergency	774-1265
Ambulance	911
Beacon Ambulance Service	779-5050
Rescue Squad	911
Dickinson County Sheriff	774-6262
Hospital Emergency	779-4555
Hospital Non-Emergency	774-1313
Poison Control Center	1 (800) 562-9781
Toxic Substances Center	1 (404) 452-4100
for Disease Control (CDC)	1 (202) 554-1404
CDC Hotline	1 (404) 329-2888
Contractor Project Manager Mike Stevens	1 (763) 479-1797
Client Contacts	
Ford Motor Company David Miller	1 (313) 322-3761
Kingsford Products Company Daniel Musgrove	1 (708) 728-4328
Contractor Corporate Health & Safety Mike Stevens	1 (763) 479-1797
Diggers Hotline	1 (800) 482-7171

Dickinson County Memorial Hospital - South US Highway 2, Iron Mountain, Michigan

Directions to Hospital: (Figure B10-1)

East on Breitung Avenue to Hydraulic Falls Road. North (left) on Hydraulic Falls Road to US Highway 2 (Stephenson Avenue). South (right) on US Highway 2 for approximately 1 mile to Dickinson Memorial Hospital.

Figures

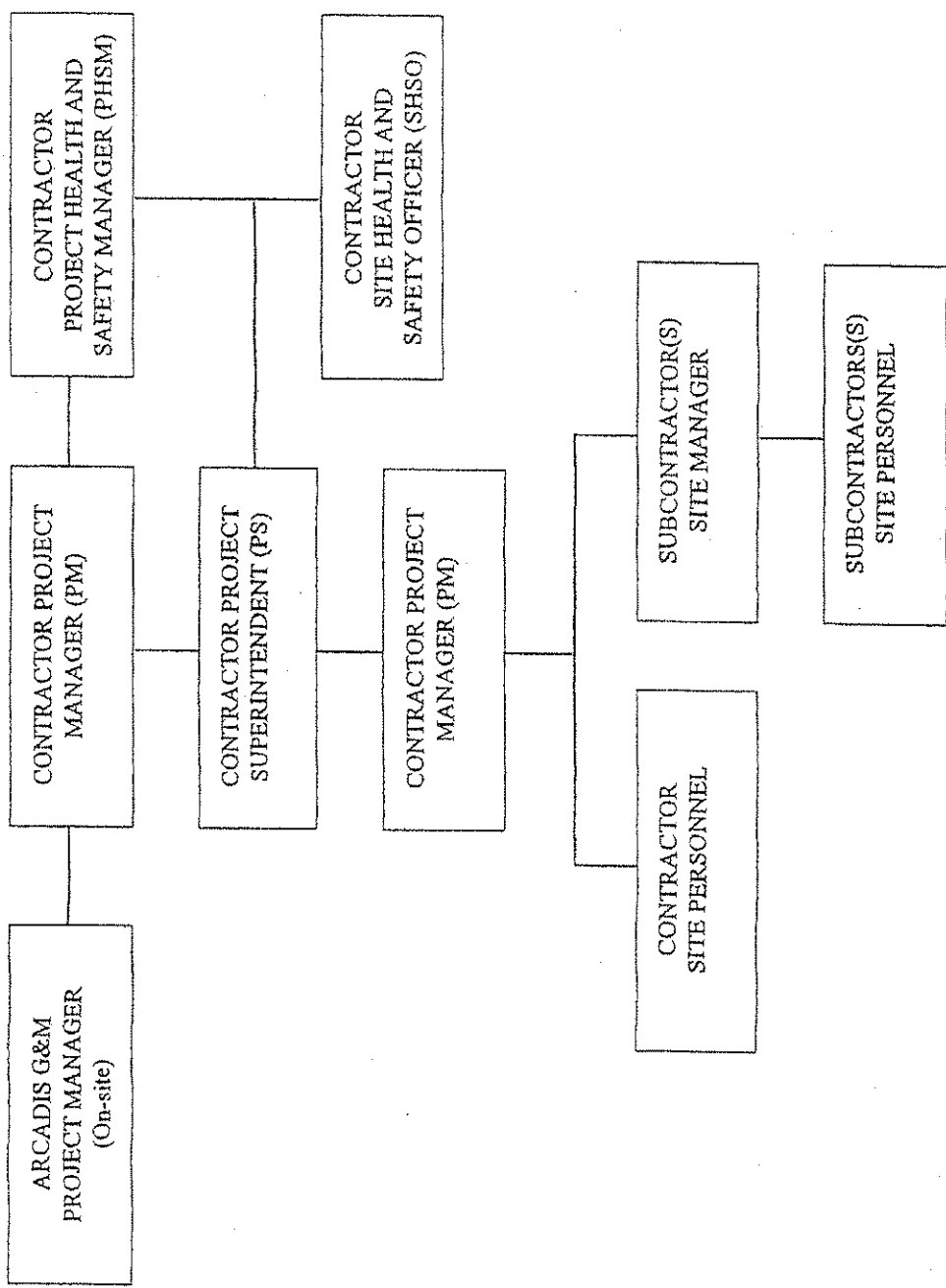


FIGURE
E2-1

PROJECT HEALTH AND SAFETY ORGANIZATION AND REPORTING

SMITH CASTINGS
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN



Figure E2-2. Sample Health and Safety Meeting Form, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.

SITE Ford/Kingsford LOCATION Kingsford, Michigan
 WORK LOCATION AT SITE NE PIT
 PREPARED BY _____
 PROJECT MANAGER _____
 TYPE OF WORK _____

SAFETY TOPICS PRESENTED

CHEMICAL HAZARDS AND EXPOSURE ROUTES _____

PHYSICAL HAZARDS AT SITE AND HAZARDS RELATED TO TYPE OF WORK _____

PROTECTIVE CLOTHING/MONITORING EQUIPMENT REQUIRED _____

_____ STEEL TOE BOOTS	_____ GLOVES (SPECIFIC TYPE)
_____ HARD HAT	_____ TYVEK
_____ SAFETY GLASSES/GOGGLES	_____ RESPIRATOR (Specify Cartridge Selection)
_____ SPECIAL EQUIPMENT	_____

EMERGENCY INFORMATION

AMBULANCE/PARAMEDIC PHONE () HOSPITAL ()
 ROUTE TO HOSPITAL (Attach Map if Necessary) _____

ATTENDEES

MEETING GIVEN BY	DATE	TIME
SIGNATURES _____	_____	_____
_____	_____	_____
_____	_____	_____

Figure E2-5. Sample Emergency Medical Data Sheet, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.

Project: _____
Name: _____ Home Telephone _____
Address: _____

Age: _____ Height: _____ Weight: _____ Blood Type: _____

Emergency Contact: _____

Drugs or other allergies: _____

Particular sensitivities: _____

Do you wear contacts? _____

Provide checklist of previous illnesses _____

Have you ever had any previous exposures to hazardous chemicals? Please Detail. _____

What medications are you currently using? _____

Do you have any medical restrictions? Please detail. _____

Name, address, and phone number of personal physician: _____

Figure E2-6. Sample Emergency Report Form, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.

1. DATE _____

2. TIME OF ACCIDENT _____
 CLIMATIC CONDITIONS _____

3. ON-SITE COORDINATOR _____

4. EMPLOYEE INJURED _____

5. COMPANY AFFILIATION _____

6. SOCIAL SECURITY NUMBER _____

7. INSURANCE COMPANY _____

8. NUMBER OF WORKERS AT SITE _____
 NAMES OF WORKERS _____ COMPANY AFFILIATION _____

9. CIRCUMSTANCES OF THE INJURY/EMERGENCY ACTION _____

10. EMERGENCY ACTIONS TAKEN _____

11. WAS FIRST AID PROVIDED? _____

12. WAS AN EMERGENCY PHONE CALL MADE TO THE PROJECT SAFETY OFFICER?
 IF SO, TIME: _____

13. AMBULANCE SERVICE USED _____

14. HOSPITAL USED _____

15. ATTENDING PHYSICIAN _____

16. COMPANY REPRESENTATIVE CONTACTED _____

17. CONTRACTOR REPRESENTATIVE CONTACTED _____

Figure E2-7. CHASP Approvals, Smith Castings, Ford/Kingsford Site, Kingsford, Michigan.

By their signature, the undersigned certify that this CHASP is approved and will be utilized for operations to be conducted under this plan.

Contractor Project Manager

Date

Contractor Project Superintendent

Date

Contractor PHSM

Date

Ford Motor Company Project Manager

Date

Kingsford Products Company Project Manager

Date

Contractor Occupational Safety and
Health Representative

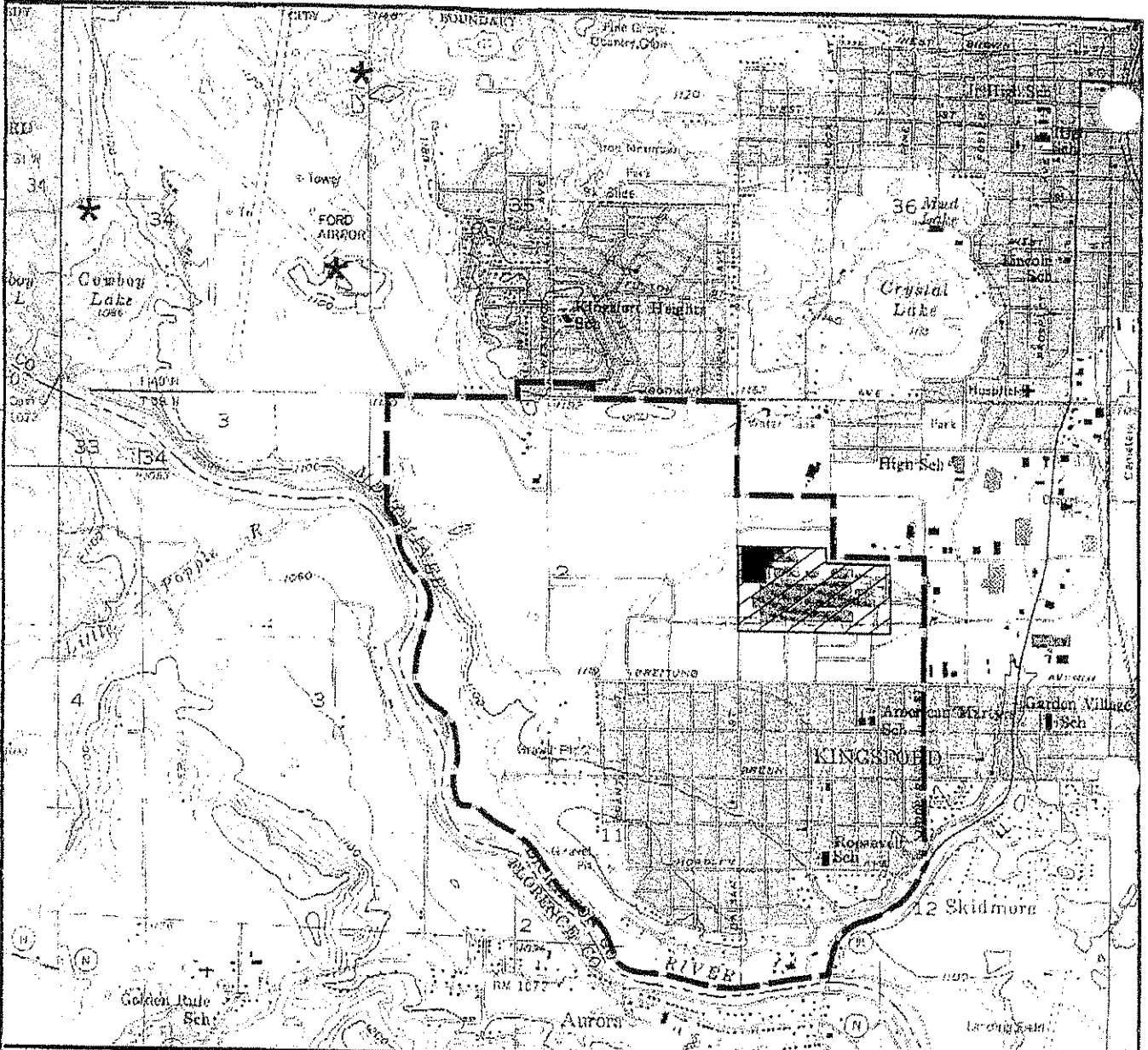
Date

DRAFTER: ELSLMB

APPROVED:

DRAWING: SCAST_LOC_E3-1.A1 | CHECKED: TS

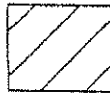
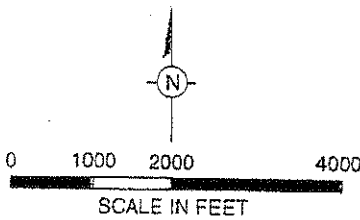
FILE NO.: GRAPHICS



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982

PN: FORDWID6372006

DWG DATE: 27 JAN 06



FORMER PLANT AREA LOCATION



STUDY AREA



KINGSFORD CITY WATER SUPPLY WELLS



MICHIGAN

Page 117 of 135 GL 744/305
NMJ Date 01/26/2012 Time 09:42:48

SITE LOCATION MAP



SMITH CASTINGS
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE

E3-1

WORK AREA

① EQUIPMENT DROP

X — X — X — X — X — X — X — X — X HOTLINE

② GLOVES AND OUTER GARMENT (TYVEK) REMOVAL

CONTAMINATION CONTROL LINE

DATE: 26JAN06 | PN: FORDW0637CJ2006 | FILE NO.: GRAPHICS | DRAWING: MOD_D9 SCA1 | CHECKED: KMUBNK | APPROVED: | DIR: JAG



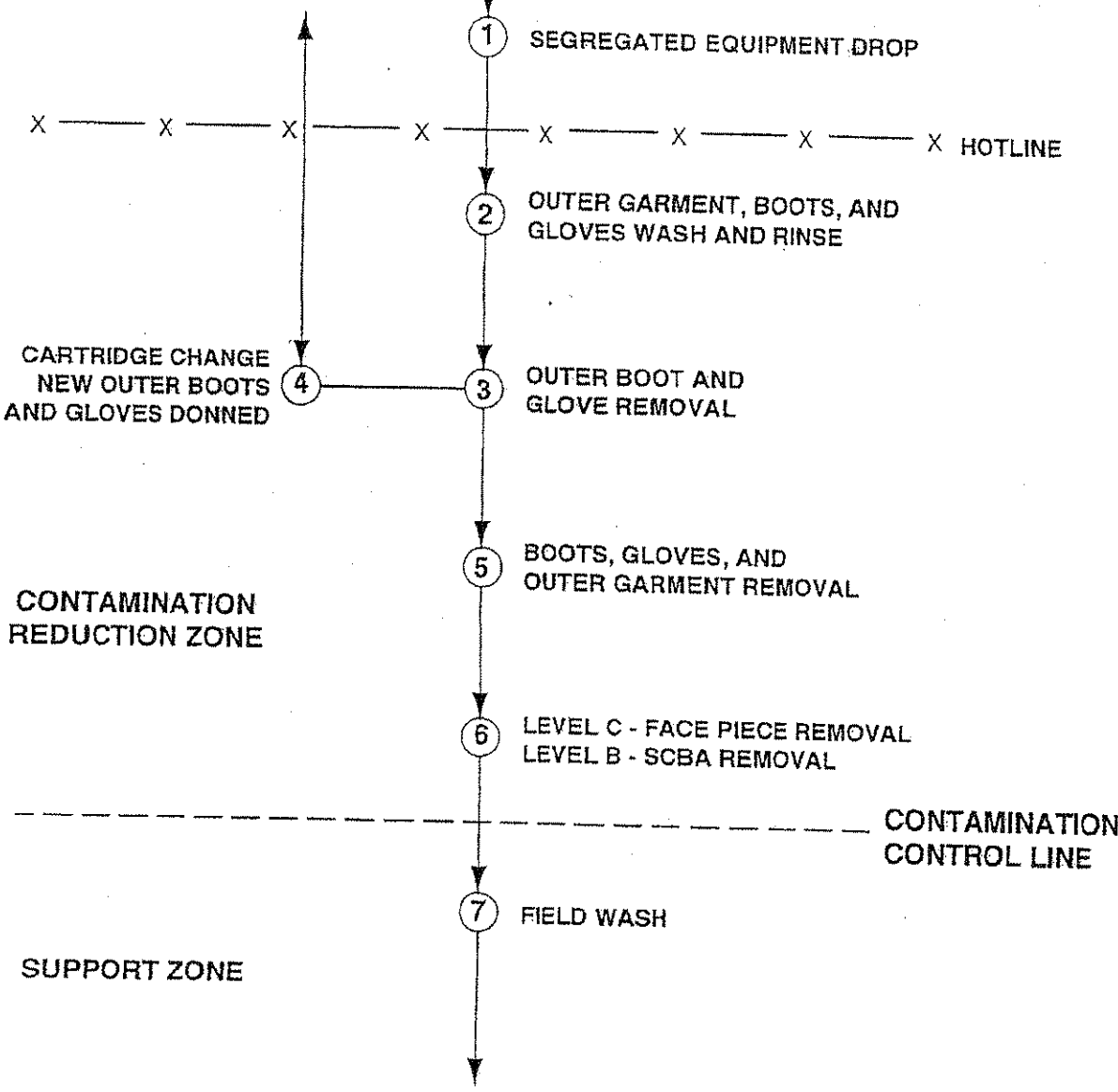
MINIMUM DECONTAMINATION LAYOUT
LEVEL D PROTECTION

SMITH CASTINGS
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE

E6-1

EXCLUSION ZONE



CONTAMINATION REDUCTION ZONE

CONTAMINATION CONTROL LINE

SUPPORT ZONE



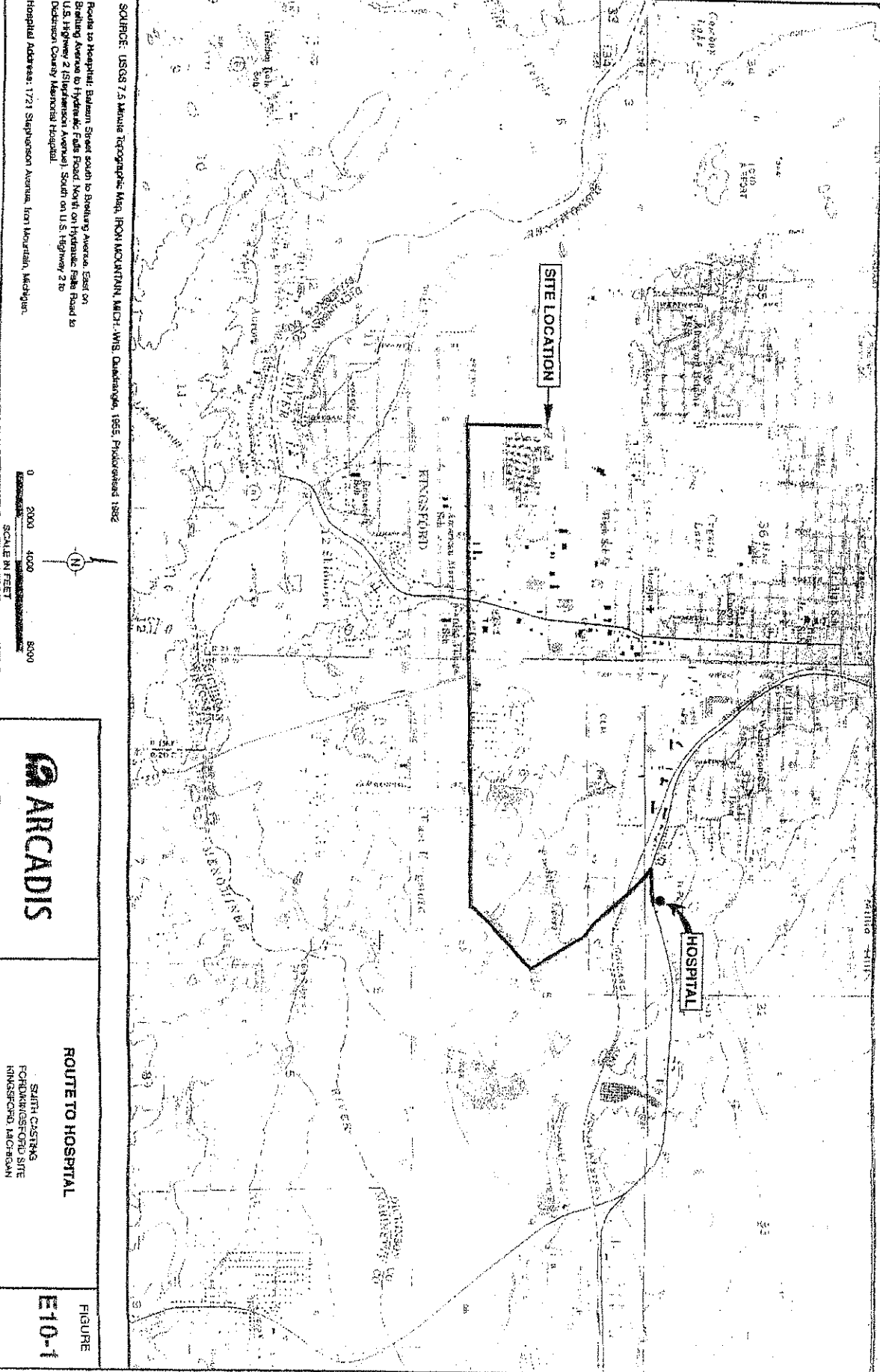
MINIMUM DECONTAMINATION LAYOUT
LEVEL C AND LEVEL B PROTECTION

SMITH CASTINGS
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE

E6-2

DWG DATE: 27.JAN.06 PN: FORDW0637CJ2006 FILE NO.: GRAPHICS DRAWING: ROUTE_HOSP_SOUTHCASTAI CHECKED: TS APPROVED: DRAFTER: JAGLMB



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICH. VMS, Quadrange, 1985, Photorevised 1982

Route to Hospital: Barium Street south to Breckling Avenue, East on Breckling Avenue to Hydraulic Falls Road, North on Hydraulic Falls Road to U.S. Highway 2 (Stephenson Avenue), South on U.S. Highway 2 to Anderson County Memorial Hospital.

Hospital Address: 1721 Stephenson Avenue, Iron Mountain, Michigan.



ROUTE TO HOSPITAL

SOUTH CASTING
 FORDKINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE
 E10-1

EXHIBIT F

OPERATION AND MAINTENANCE PLAN

Operation and Maintenance (O&M) Plan

**Smith Castings
Kingsford, Michigan**

Prepared for:
Ford - Kingsford Products Facility

Introduction	1
Objectives	1
Site Background	2
Performance and Compliance Monitoring Plan	3
Inspection	3
Site Security	3
Maintenance Schedule	3
Contingency Plan	3
Contingency Plan – Response	4
Contingency Plan – Procedures	4
Identification of Hazardous Materials and Assessment of Possible Hazards	5
Assessment and Control Procedures	5
Reporting Requirements	5
Records Retainage	5
O&M Records	5
Reporting	5
Figures	
1. Site Location Map, Smith Castings, Ford-Kingsford Products Facility, Kingsford, Michigan.	
2. Smith Castings, Location of Concrete Troughs, Ford-Kingsford Products Facility, Kingsford, Michigan.	
Appendix	
A Example Inspection Forms	

Introduction

This Operation and Maintenance (O&M) Plan has been prepared for the Smith Castings property at the Ford - Kingsford Products Facility in Kingsford, Michigan (Figures 1 and 2). The O&M Plan describes the strategy for maintaining the existing low-permeability barrier and implementing institutional controls in accordance with the response actions for the site.

The primary focus of the response actions is to prevent direct contact with impacted soils/waste materials that are left in place in an inaccessible location under the present Smith Castings building.

This O&M plan may be revised as necessary to comply with the Remedial Action Plan objectives. The revisions will not change the overall purpose or intent of the O&M plan and will thus not require a revised plan to be recorded with the Dickinson County Register of Deeds. Nor will revisions to this O&M plan approved by the Michigan Department of Environmental Quality (MDEQ) be considered RAP revisions pursuant to the Consent Judgment.

Objectives

The objective of this O&M Plan is to describe procedures for maintenance and monitoring of the interim response action at Smith Castings. This plan is prepared to guide field personnel on maintenance procedures for the existing barrier and implementation of the land use restrictions. Implementation of the plan will provide for the protection of human health and the environment achieving the following objectives:

- Verify that the barrier is in-place and in good condition in the area that is subject to the restrictive covenant.
- Inspect and document that the restrictive covenant is implemented and observed. These restrictions include:
 - Limit land use to commercial or industrial,
 - Maintain the current low-permeability barrier in place within the Smith Castings building,

- Prohibit excavation or penetration through the existing low-permeability barrier,
- Require repair of the barrier if breached, and
- Prohibit the use of groundwater beneath the property.

Elements of this plan address the following:

- Site Background
- Performance and Compliance Monitoring Program
- Contingency Plan
- Reporting Requirements

Site Background

The Smith Castings property is located in Kingsford, Dickinson County, Michigan as illustrated on Figure 1. The property, approximately 4 acres in size and owned by Smith Castings Inc., lies in an area zoned for industrial use. The property encompasses the former distillation building of the Former Plant Site.

Response actions were implemented and completed at the Smith Castings site and included the excavation and disposal of accessible waste material, maintenance of the existing low-permeability barrier (floor slab) within the Smith Castings facility, and institutional controls.

Performance and Compliance Monitoring Plan

Performance and compliance monitoring verifies that the response action is appropriately implemented. The elements of the Performance and Compliance Monitoring Plan include: inspection and restrictive covenant implementation. These topics are discussed in further detail in the subsequent sections.

Inspection

On-site inspection activities will be performed and documented in accordance with this Plan. The condition of the interior existing floor slab barrier in the southern portion of the Smith Castings building will be recorded on a standard inspection form. Exterior building foundation/wall inspection in this area will also be completed. Inspection of the appropriate signage is also part of the inspection duties. For each inspection, forms will be used to record findings, unusual conditions, and corrective action taken. An example inspection form is included in Appendix A. Inspections will be performed on an annual basis. The inspection form and monitoring frequency may change; however, the substance of the form will remain the same. Conditions requiring corrective action will be rectified, and the repair will be documented on a Corrective Action Form. Records of corrective actions will be maintained in the project files.

Site Security

The signage installed at the property depicts the specifics of the restrictive covenant. Inspections of the signage are included in the inspection activities and on the documentation forms. The locations of the signage include an interior wall within the Smith Castings building and the exterior building walls where the northern trough extends beneath the building floor slab barrier as shown on Figure 2.

Maintenance Schedule

The inspections will be performed on an annual basis.

Contingency Plan

In the unlikely event that it is determined that the barrier has failed, specific actions are necessary. This section provides direction regarding this potential and is organized into two sections: Contingency Plan – Response and Contingency Plan – Procedures.

Any handling of waste material will be performed in accordance with the Waste Management Plan for the Smith Castings property.

Contingency Plan – Response

Potential incidents that might require a contingency plan response include 1) displacement or exposure of waste material, and 2) fire/explosion.

Spontaneous failure of the existing floor slab/barrier is highly unlikely. The site is completed at grade and there are no slopes that might become unstable. However, should slab failure occur, there exists the possibility of direct contact with waste. Repairs to the barrier and/or modifications would take place in this instance. In the event that the barrier will not or cannot be promptly repaired, the waste materials will be removed. Notification and course of action will be as specified in the following section.

The soils and waste below the building floor slab do not present a fire hazard themselves. The soils do not contain flammable gas concentrations sufficient to ignite and the waste material below is not exposed to a spark.

Contingency Plan – Procedures

Should there be physical or analytical evidence that the barrier has failed, a determination will be made of the potential threat to public health and the environment. Actions needed to address the barrier failure will be taken. In any instance of a barrier failure, waste exposure, fire, or explosion threat (or hazard), the MDEQ shall be notified. The time, date, and details of any incident that requires emergency response implementation will be noted in the site log book or records.

Restoration procedures will include replacing concrete floor slab, to restore the barrier. Restoration activities will be performed in accordance with the Waste Management Plan and Construction Health and Safety Plan that are incorporated into the restrictive covenant. Additionally, dust suppression activities will be implemented, if necessary, to mitigate dust generation. Site workers will be trained and equipped with Personal Protective Equipment to prevent direct contact with the waste/fill.

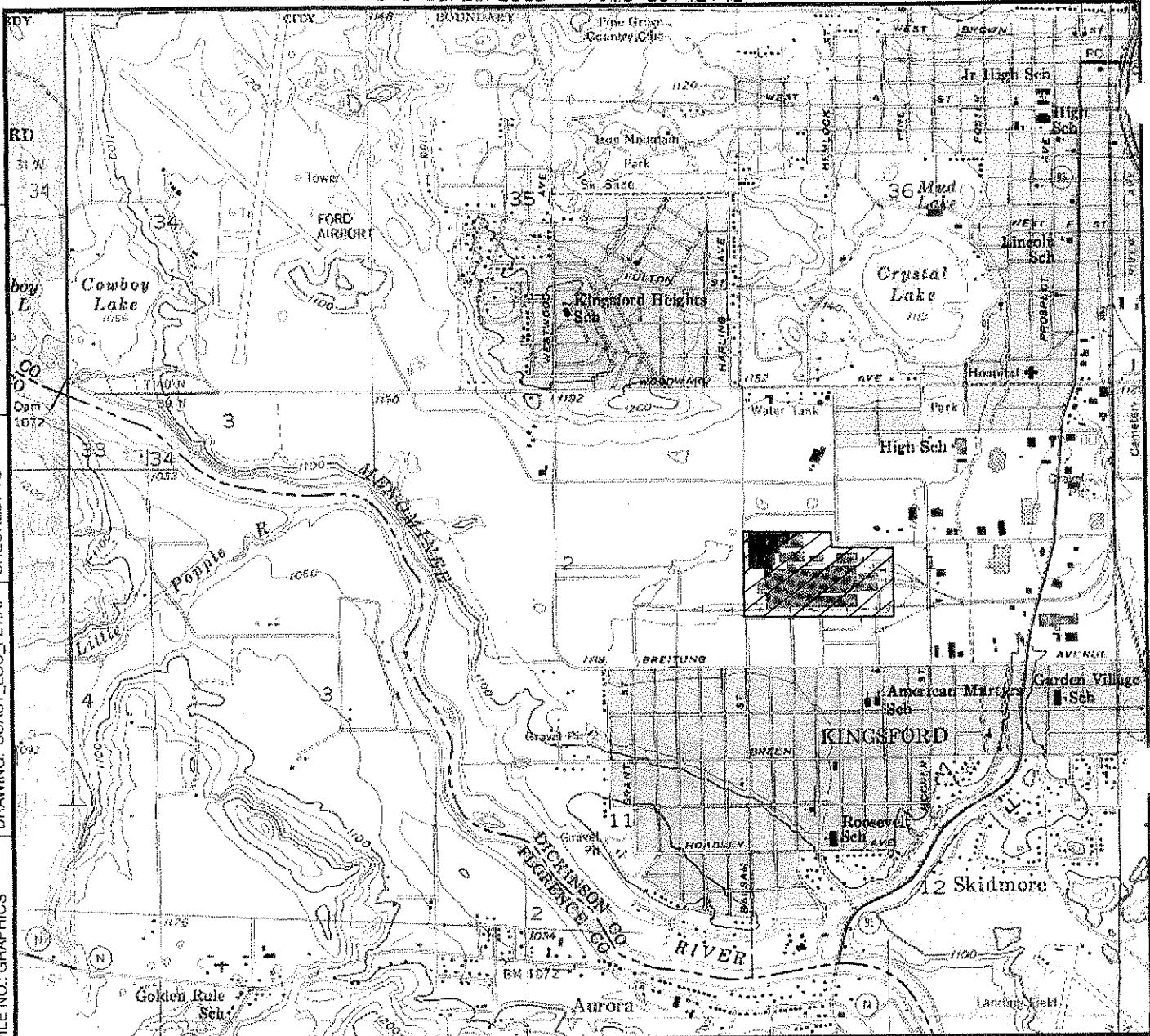
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APPROVED:

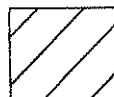
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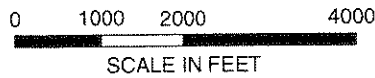
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SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982



**FORMER PLANT
 AREA LOCATION**



PN: FORDWI0637ACJ2012

DWG DATE: 20/JAN/12



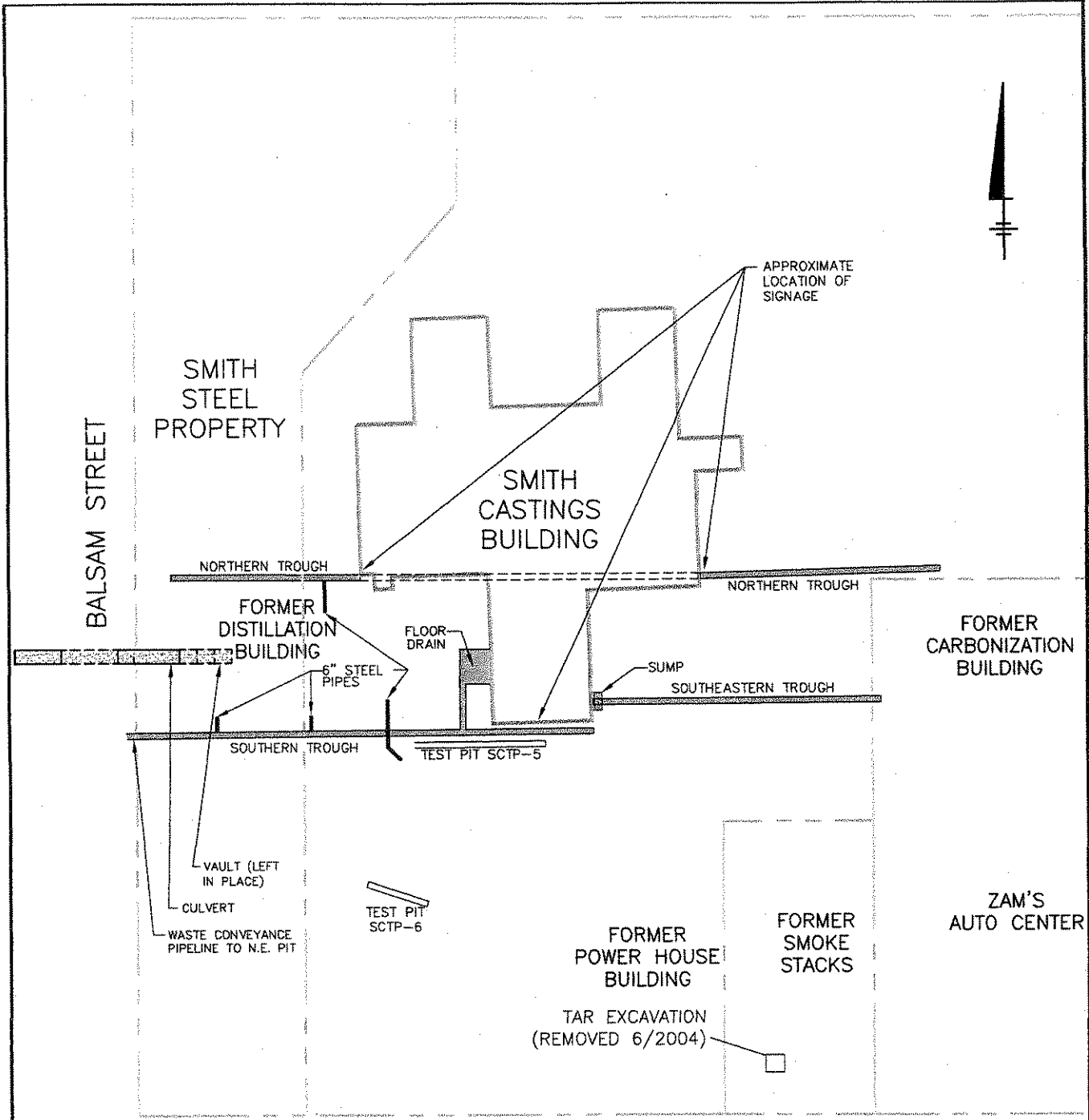
**SITE LOCATION MAP
 SMITH CASTINGS**

REMEDIAL ACTION PLAN
 FORD-KINGSFORD PRODUCTS FACILITY
 KINGSFORD, MICHIGAN

FIGURE

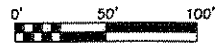
1

CITY: (Read) DIV/GROUP: (Req'd) DB: (Req'd) PIC: (Opt) PM: (Req'd) TM: (Opt) LVR: (Option) OFF: REF*
 G:\projects\FORD\W063\2011\add\RAP Figures\RETURNED-TO-MILWAUKEE-09NOV2011\W063\27565-04.dwg LAYOUT: 2 SAVED: 1/20/2012 2:07 PM ACADVER: 18.05 (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: A-TEST-BLACKGRAY.CTB PLOTTED: 1/20/2012 2:29 PM BY: SANKA, SAMEERA



Page 129 of 135
 IMJ Date 01/26/2012

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LEGEND	
	PROPERTY BOUNDARIES
	HISTORICAL PLANT BUILDINGS (EXISTING)
	HISTORICAL PLANT BUILDINGS (DEMOLISHED)
	CONCRETE TROUGH (REMOVED)
	ESTIMATED TROUGH/BARRIER LOCATION
	CONCRETE CULVERT

FORD-KINGSFORD PRODUCTS FACILITY KINGSFORD, MICHIGAN REMEDIAL ACTION PLAN	
SMITH CASTINGS LOCATION OF CONCRETE TROUGHS	
	FIGURE 2



Identification of Hazardous Materials and Assessment of Possible Hazards

The hazardous materials that could potentially be exposed are impacted soils and waste. The possible hazards associated with the materials listed above are minimal but include potential risks from ingestion, inhalation, and dermal contact.

Assessment and Control Procedures

In the unusual event of an incident, the appropriate containment procedures and repairs would be implemented, and the following steps will be taken:

- Sample and analyze potentially impacted soil, surface water, or sediments.
- Evaluate the data to determine whether constituents are creating exposure above applicable risk-based standards.

Reporting Requirements

Records Retainage

Records shall be maintained for a minimum of 5 years after completion of any O&M activities.

O&M Records

O&M activities for the floor slab/barrier will be recorded in the appropriate logbook or project records. Notations should be made when the system is inspected and maintained, engineering measurements are taken, and when corrective measures are implemented. As indicated, inspection forms are included in Appendix A of this report. Corrective action measures and re-inspection forms should be completed during the period that the corrective measures take place.

Reporting

O&M reports will be prepared annually that will include at a minimum barrier performance evaluation, incidences of noncompliance and corrective actions taken, maintenance performed that is other than preventative maintenance, key personnel changes, and coordination activities. Any proposed modifications to the configuration or operation of the barrier will be included.

Appendix A

Example Inspection Forms

Operation and Maintenance Inspection Form
Smith Castings
Ford-Kingsford Products Facility

Date of Inspection: _____
Inspector's Name: _____
Inspector's Affiliation: _____
Time of Inspection: _____

Inspection Checklist

(All Yes responses require an explanation and the attachment of a Corrective Action Form)

Evidence of heaving or subsidence of the concrete cover resulting in uneven surfaces, cracks, breaks or crumbling of the concrete. No Yes

Explanation: _____

Signs of excessive erosion of cover or vegetative perimeter. No Yes

Explanation: _____

Signs of burrowing animals, or deep rooted woody plants established on the cover or around the cover perimeter. No Yes

Explanation: _____

Signs of damage or disturbance to the permanent marker. No Yes

Explanation: _____

Physical signs of settlement or subsidence of cover. No Yes

Explanation: _____

ARCADIS

Corrective Action Form
Smith Castings
Ford-Kingsford Products Facility

Date of Inspection: _____
Inspectors Name: _____
Inspectors Affiliation: _____

Corrective Action Work Order

Description of Problem: _____

Required Correction: _____

Assigned To: _____ Date: _____

Corrective Action Completion Report

Date Recieved: _____ Received by: _____

Completed On: _____

Comments: _____

Completed By: _____ Date: _____

Reinspection Report

Observations: _____

Comments: _____

Completed By: _____ Date: _____

Page 133 of 135
MJ Date 01/26/2012
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Time 09:42:48

EXHIBIT G

SIGNAGE

DRAFTER: BZ

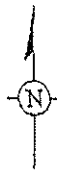
APPROVED: RS

CHECKED: BZ

DRAWING: Signage Design CD/R

FILE: WIP11251Plan1\Final IRAF\Signage Design.cdr

DWG DATE: 10Apr2007



0 200 400

APPROXIMATE SCALE IN FEET

NOTICE

Soil exposure barriers are in place in the areas identified above to prevent direct contact with underlying soils. Soil from these areas may not be relocated without further evaluation. Details about these property restrictions may be found at the Dickinson County Register of Deeds, Liber 635, Page 129.



SIGNAGE DESIGN
SMITH CASTINGS
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE

G

Delta Do-It Center Declaration of Restrictive Covenant

Dolly Cook. Register of Deeds

705 Stephenson Ave
Iron Mountain, MI 49801

Dickinson County
RECEIPT FOR PAYMENT

Telephone: (906) 774-0955

09/21/2005 12:06PM

Receipt Number: DC021098
Batch: 0921nj
Status: Generated

Document: ARCADIS

Source	Paid By	Reference	Amount Tendered
Check	ARCADIS G&M INC	031686	47.00
		Total Amount Tendered	47.00

No.	For	Book/Page	File ID	Recording Time/Account Name	Amount Assessed
1	GL	RESTR	GL 582 / 315	09/21/2005 12:03	
				County Administration fee	0.06
				MI Survey Monument Replacement	3.94
				Records Fee	43.00
				Total Assessed	47.00
				Amount Tendered	47.00
				Total Due	0.00

Revenue Tax 0.00

**FORD COURT CASE NO.
04-001427-CE**

DECLARATION OF RESTRICTIVE COVENANT

This Declaration of Restrictive Covenant ("Restrictive Covenant") has been recorded with the Dickinson County Register of Deeds by Madken, Inc., a Michigan Corporation, whose address is 1320 Carpenter Avenue, Iron Mountain, Michigan 49801 for the purpose of protecting the public health, safety and welfare, and the environment by prohibiting or restricting activities that could result in unacceptable exposure to environmental contamination present at the property located in the City of Kingsford, County of Dickinson, State of Michigan, and legally described in Exhibit A hereto. The Property is a portion of the Ford-Kingsford Products Facility (Court Case No. 04-1427-CE, Ingham County Circuit Court). Pursuant to a Consent Judgment entered into between the State of Michigan, Ford Motor Company ("Ford") and The Kingsford Products Company ("KPC") both interim and final response activities are being or will be conducted to address environmental conditions. Interim response activities are described in the following documents: "Standard Contingent Work Plan – Pressure Control System, Ford-Kingsford Products Facility" dated December 16, 2004; and "Guidelines for Vapor Control System Installation, Ford-Kingsford Products Facility" dated January 21, 2005 ("Work Plans") which are available from the Michigan Department of Environmental Quality ("MDEQ") or at the Dickinson County Library in Iron Mountain, Michigan. Ford and KPC intend to prepare Interim Response Action Plans ("IRAP") for methane and groundwater which, along with all modifications and amendments to the IRAP, will be incorporated into a Remedial Action Plan ("RAP").

This Restrictive Covenant is required pursuant to Part 201, Environmental Remediation of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) to: 1) restrict unacceptable exposures to hazardous substances located on the Property; 2) assure that the use of the Property is consistent with the exposure assumptions utilized in the development of cleanup criteria pursuant to Sections 20120a(1)(g) and 20120a(1)(i) of NREPA (limited commercial and industrial categories); 3) prevent damage or disturbance of any element of the response activity constructed or to be constructed on the Property; and 4) assure access to the Property to implement, monitor and maintain response activities. The restrictions contained in this Restrictive Covenant are based upon information available at the time this Restrictive Covenant was filed with the Register of Deeds. Failure of the response activities to achieve and maintain the criteria, exposure controls, and requirements specified in the Work Plans, IRAP or RAP, future changes in the environmental condition of the Property or changes in the cleanup criteria developed under Section 20120a(1)(g) and 220120a(1)(i) of NREPA; the discovery of environmental conditions at the Property that were not accounted for in the IRAP or RAP; or use of the Property in a manner inconsistent with the restrictions described herein, may result in this Restrictive Covenant not being protective of public health, safety, and welfare, and the environment.

Exhibit A provides a survey of the Property that is subject to the land use or resource use restrictions specified herein.

Summary of Response Activities

The potential impacts to the soil and groundwater include wood byproducts from historical production activities at the facility, including methane. Investigation activities that have included the Property have been undertaken by Ford and KPC since 1997. Details of the investigation activities and potential impact to the soil and groundwater may be reviewed in two reports prepared by ARCADIS entitled, "Remedial Investigation Report, Ford/Kingsford Site, Kingsford, Michigan", dated June 2002, and "Former Plant Site

Dolly Cook

12P

Dickinson County

Page 1 of 12

GL 582/315

NMJ Date 09/21/2005

Time 12:03:55

Work Plan, Ford-Kingsford Products Facility, Kingsford, Michigan", dated December 21, 2004, which are available at the Dickinson County Library in Iron Mountain, Michigan or from the MDEQ.

Two groundwater monitoring wells (GM-40A and GM-40B) are present on the southern portion of the Property. Groundwater collected from Monitoring Well GM-40A at a depth of 75 feet below land surface (ft bls) contains no constituent concentrations above the State of Michigan generic residential drinking water standards. Groundwater collected from Monitoring Well GM-40B at a depth of 120 ft bls contains constituent concentrations above the State of Michigan Generic Residential Drinking Water Standards, including: acetone; benzene; cis 1,2-dichloroethene; 2,4-dimethylphenol; 2 methylphenol; 3-Methylphenol/4-Methylphenol; isopropanol; acetaldehyde; arsenic; iron; manganese; and vanadium. Further details of the analytical results can be found in the report prepared by ARCADIS entitled, "Remedial Investigation Report, Ford/Kingsford Site, Kingsford, Michigan", dated June 2002. The Property is serviced by a municipal water supply and private wells are prohibited pursuant to this Restrictive Covenant. See Prohibited Activities on the Property below.

Methane gas was also found to be present in the unsaturated subsurface soil in a small area at the southwestern corner of the former Delta-Do-It building on land adjoining the Property at concentrations as high as 5 percent by volume. Routine monitoring is conducted to determine if methane gas is potentially present. Any identified methane gas is appropriately addressed by periodic use of a temporary soil vapor extraction system. Additional active and passive venting systems, methane detectors soil vapor control systems, vapor probes, and groundwater monitoring wells, may be installed, maintained, and monitored, as appropriate, by Ford and KPC at no cost to the owner of the property. Inspection and sealing of any cracks in the lowest level of structures on the Property will also be completed by Ford and KPC at no cost to the owner. See the Work Plans and Consent Judgment for further information about these response activities.

Areas of the Property contain hazardous substances in excess of the concentrations developed as the unrestricted residential criteria under Section 20120a(1)(a) or (17) of the NREPA that have not been addressed through response activities undertaken pursuant to an MDEQ-approved IRAP. The MDEQ recommends that prospective purchasers or users of the Property undertake appropriate due diligence prior to acquiring or using this Property, and undertake appropriate actions to comply with the requirements of Section 20107a of the NREPA.

For a more in-depth description of the affected media, the nature of the hazardous substances and how the response activities address unacceptable risks for all relevant pathways, see the Baseline Environmental Assessment for the former Delta Do It Center, 104 Industrial Drive, Kingsford, Michigan 49802, and the Ford-Kingsford Products Facility reports copies of which can be obtained from the MDEQ and at the repository located at the Dickinson County Library.

Definitions

"MDEQ" means the Michigan Department of Environmental Quality, its successor entities, and those persons or entities acting on its behalf.

"Owner" means at any given time the then current title holder of the Property or any portion thereof.

All other terms used in this document which are defined in Part 3, Definitions, of the NREPA; Part 201 of the NREPA; or the Part 201 Administrative Rules ("Part 201 Rules"), 1990 AACRS R 299.5101 *et seq.* shall have the same meaning in this document as in Parts 3 and 201 of the NREPA and the Part 201 Rules, as of the date of filing of this Restrictive Covenant.

NOW THEREFORE,

Declaration of Land Use or Resource Use Restrictions

The Owner hereby declares and covenants that the Property shall be subject to the following restrictions and conditions:

1. The Owner shall prohibit all uses of the Property that are not compatible with the land use categories of Industrial and Commercial II, III and IV, as defined in Section 20120a(1) of Part 201 of NREPA, and the Michigan Department of Environmental Quality ("MDEQ"), Operational Memorandum #18, Revision 1, dated June 7, 2000. See Exhibit B or descriptions of the land use categories of Industrial and Commercial II, III and IV. All other uses of the Property, including residential use, are strictly prohibited. Cleanup criteria and associated land-use descriptions are located in the Government Documents section of the State of Michigan Library.

2. Prohibited Activities on the Property:

The Owner shall prohibit the following activities:

- Any construction of wells or other devices to extract groundwater for consumption, irrigation, or any other use, except for wells and devices that are part of an MDEQ-approved response activity. Short-term dewatering for construction purposes is permitted provided the dewatering, including management and disposal of the groundwater, is conducted in accordance with all applicable local, state, and federal laws and regulations and does not cause or result in a new release, exacerbation of existing contamination, or any other violation of local, state, and federal environmental laws and regulations including, but not limited to, Part 201 of NREPA.
- All activities on the Property shall be conducted in a manner that does not damage, remove or otherwise tamper with any response activities including monitoring wells, soil vapor probes, vapor control systems or methane monitors located on the Property, unless otherwise permitted in writing by the MDEQ.
- Any structures built on the Property shall be equipped with a vapor control system constructed in accordance with the specifications outlined in the document entitled "Guidelines for Vapor Control System Installation, Ford-Kingsford Products Facility" dated January 21, 2005.

3. Contaminated Media Management. The Owner shall manage all soils, media and/or debris located on the Property in accordance with the applicable requirements of Section 20120c of the NREPA; Part 111, Hazardous Waste Management, of the NREPA; Subtitle C of the Resource Conservation and Recovery Act, 42 U.S.C. §6901 *et seq.*; the administrative rules promulgated hereunder; and all other relevant state and federal laws.

4. Access. The Owner shall grant Ford, KPC, and their authorized employees, agents, representatives, consultants, contractors and subcontractors, including but not limited to, ARCADIS G&M, Inc., access to the Property to perform whatever environmental response actions may be requested or required by the MDEQ or determined to be appropriate by Ford and KPC. The environmental response actions which may be requested or required on the Property, include, but are not limited to, (a) installation, maintenance and/or monitoring of vapor control systems; (b) installation, maintenance and/or monitoring of any active or passive venting system(s); (c) installation, maintenance and/or monitoring of soil vapor probes and groundwater monitoring wells; (d) installation, inspection, maintenance and/or monitoring of methane detectors; and (e) inspection and sealing of any cracks in the lowest level of any structures on the Property.

The Owner shall allow the MDEQ, Ford, KPC and their authorized employees, agents, representatives, contractors, subcontractors and consultants to enter the Property at all reasonable times, upon presentation of proper credentials and upon making a reasonable effort to contact the person in charge of the Property, for the purpose of conducting any activity for which access is required for the implementation of response actions with respect to the presence of methane or other constituents at the Property or to otherwise fulfill any responsibility under federal or state law including, but not limited to, the following:

- (1) Monitoring response activities or any other activities taking place on the Property with respect to methane or other substances;
- (2) Verifying any data or information submitted to the MDEQ related to methane or other substances;
- (3) Assessing the need for, planning, or conducting investigations relating to methane or other substances;
- (4) Obtaining samples related to methane or other substances;
- (5) Assessing the need for, planning, or conducting, response activities at or near the Property,
- (6) Assessing compliance with requirements for the performance of monitoring, operation and maintenance, or other measures necessary to assure the effectiveness and integrity of a remedial action related to methane or other substances;
- (7) Inspecting and copying non-privileged records, operating logs, contracts, or other documents relating to methane or other substances;
- (8) Communicating with Ford and KPC's representatives, or consultants for the purpose of assessing compliance with any court order or the Consent Judgment entered on October 26, 2004 in Michigan Department of Environmental Quality, v. Ford Motor Company and The Kingsford Products Company Ingham County Circuit Court, Case No. 04-1427-CE);
- (9) Determining whether the Property is being used in a manner that is or may need to be prohibited or restricted pursuant to any IRAP, IRDC, remedial action plan or Consent Judgment related to methane or other substances; and
- (10) Assuring the protection of public health, safety, welfare and the environment with respect to methane or other substances.

6. Cooperation of Owner.

The Owner agrees that it will execute and, if requested, record with the Dickinson County Register of Deeds any documents required for the remedy on the Property, including but not limited to, a concurrence with any response action, or consent to any restrictive covenant, notice of approved environmental remediation, or other document necessary for an IRAP or RAP related to the Property.

7. Notices.

A. Notice of Intent to Transfer Property.

The Owner shall provide notice to the MDEQ and Ford and KPC of the Owner's intent to transfer any interest in the Property at least fourteen (14) business days prior to consummating the conveyance. A conveyance of title, an easement, or other interest in the Property, shall not be consummated by the Owner without adequate and complete provision for compliance with the terms and conditions of this Restrictive Covenant and the applicable provisions of Section 20116 of the NREPA. The notice required to be made to the MDEQ under this Paragraph shall be made to: Director, MDEQ, P.O. Box 30473, Lansing, Michigan 48909-7973; and shall include a statement that the notice is being made pursuant to the requirements of this Restrictive Covenant, and a reference to the property description. The notice required to be made to Ford and KPC under this Paragraph shall be made to the individuals identified in Paragraph 7.B.; and shall include a statement that the notice is being made pursuant to the requirements

of this Restrictive Covenant, and a reference to the property description. A copy of this Restrictive Covenant shall be provided to all future owners, heirs, successors, lessees, easement holders, assigns, and transferees by the person transferring the interest.

B. Notice of Disturbance of Remedial Measures.

The Owner shall notify Ford and KPC and their designee of the type, cause, location and date of any disturbance to any remedial measures taken or remedial equipment, including, active and passive venting systems, methane detectors, vapor control systems, vapor probe systems and groundwater monitoring wells installed on the Property which could affect the ability of such remedial measures, remedial equipment, or monitoring system to perform their respective functions. Notification shall be provided via verbal discussion, facsimile or electronic mail correspondence within 24 hours of the discovery of any such disturbance to the following:

If to Designee:

Ken Tousignant
Stephens & Associates, Inc.
1320 Carpenter Avenue
Iron Mountain, MI 49801
(906) 774-8570
(906) 774-0131 (fax)
ken@stephensandassoc.com

With a Copy to:

Margaret A. Coughlin
Dickinson Wright PLLC
38525 Woodward Avenue, Suite 2000
Bloomfield Hills, MI 48304
(248) 433-7272
(248) 433-7274 (fax)
mcoughlin@dickinsonwright.com

Ford-Kingsford Products Facility Project Coordinator
Att.: Richard L. Studebaker, Jr., P.E.
ARCADIS G&M, Inc.
126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
(414) 276-7742
(414) 276-7603 (fax)
rstudebaker@arcadis-us.com

If to Ford:

David Miller
Ford Motor Company
Parklane Towers West
Three Parklane Boulevard, Suite 950
Dearborn, MI 48126-2477
(313) 322-3761
(313) 248-5030 (fax)
dmiller2@ford.com

Elaine Black Mills, Esquire
Ford Motor Company
1500 Parklane Towers West

Page 5 of 12
NMJ Date 09/21/2005

GL 582/319
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Three Parklane Boulevard
Dearborn, MI 48126
(313) 594-0096
(313) 390-4201 (fax)
emills@ford.com

With a Copy to:
Margaret A. Coughlin
Dickinson Wright PLLC
38525 Woodward Avenue, Suite 2000
Bloomfield Hills, MI 48304
(248) 433-7272
(248) 433-7274 (fax)
mcoughlin@dickinsonwright.com

Ford-Kingsford Products Facility Project Coordinator
Att.: Richard L. Studebaker, Jr., P.E.
ARCADIS G&M, Inc.
126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
(414) 276-7742
(414) 276-7603 (fax)
rstudebaker@arcadis-us.com

If to KPC:
J. David Langford
Associate Vice President Burns & McDonnell Engineering Company, Inc.
9400 Ward Parkway
Kansas City, MO 64141
(816) 822-3175
(816) 822-3494 (fax)
jlang@burnsmcd.com

General Counsel
The Clorox Company
1221 Broadway, 24th Floor
Oakland, CA 94612
(510) 271-7000
(510) 271-1696 (fax)

With a Copy to:
Michael L. Robinson
Warner Norcross & Judd LLP
111 Lyon Street, NW, Suite 900
Grand Rapids, Michigan 49053
(616) 752-2128
(616) 222-2128 (fax)
mrobinson@wnj.com

Ford-Kingsford Products Facility Project Coordinator
Att.: Richard L. Studebaker, Jr., P.E.
ARCADIS G&M, Inc.

126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
(414) 276-7742
(414) 276-7603 (fax)
rstudebaker@arcadis-us.com

8. Term and Enforcement of Restrictive Covenant.

The State of Michigan, through the MDEQ and Ford and KPC or their agents or assigns may enforce the restrictions set forth in this Restrictive Covenant by legal action in a court of competent jurisdiction.

This Restrictive Covenant shall run with the Property, and shall be binding upon the Owner, future owners, and all current and future successors, lessees, easement holders, their assigns and their authorized agents, employees, or persons acting under their direction and control, of all or any portion of each of the parcels which comprise the Property. It shall be the obligation of each and every Owner of any portion of the Property to provide a copy of this Restrictive Covenant to all of its heirs, successors, lessees, assigns and transferees of an interest in the Property. Recordation of this Restrictive Covenant shall be deemed binding on all successors, assigns, future owners of any interest in the Property, and lessees, regardless of whether a copy of this Restrictive Covenant has been attached or incorporated into any given deed, transfer document or lease.

This Restrictive Covenant may only be modified or rescinded with the written approval of the MDEQ or Ford and KPC.

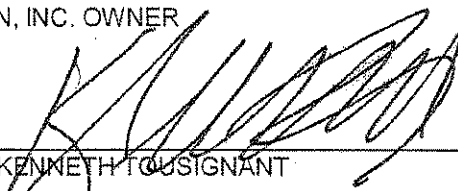
9. Severability. If any provision of this Restrictive Covenant is held to be invalid by any court of competent jurisdiction, the invalidity of such provision shall not affect the validity of any other provisions hereof. All such other provisions shall continue unimpaired in full force and effect.

10. Authority to Execute Restrictive Covenant. The undersigned person executing this Restrictive Covenant has the express written permission of the Owner and represents and certifies that he or she is duly authorized and has been empowered to execute and deliver this Restrictive Covenant.

IN WITNESS WHEREOF, the said Owner of the above-described Property has caused this Restrictive Covenant to be executed on this 16 day of Sept, 2005.

MADKEN, INC. OWNER

By:

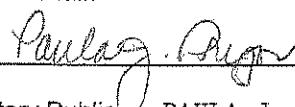

KENNETH TOUSIGNANT

Its: PRESIDENT

ACKNOWLEDGMENT

STATE OF MICHIGAN)
) SS.
COUNTY OF DICKINSON)

The foregoing instrument was acknowledged before me this 16th day of September, 2005, by Ken Tousignant, the President of Madken, Inc., on its behalf.



Notary Public, PAULA J. PRYOR
County of DICKINSON
State of MICHIGAN
Acting in DICKINSON County
My commission expires: JANUARY 13, 2009

Prepared by and when recorded return to:
Margaret A. Coughlin
Dickinson Wright PLLC
38525 Woodward Avenue, Suite 2000
Bloomfield Hills, Michigan 48304

EXHIBIT A

LEGAL DESCRIPTION AND SURVEY OF THE PROPERTY

CERTIFICATE OF SURVEY

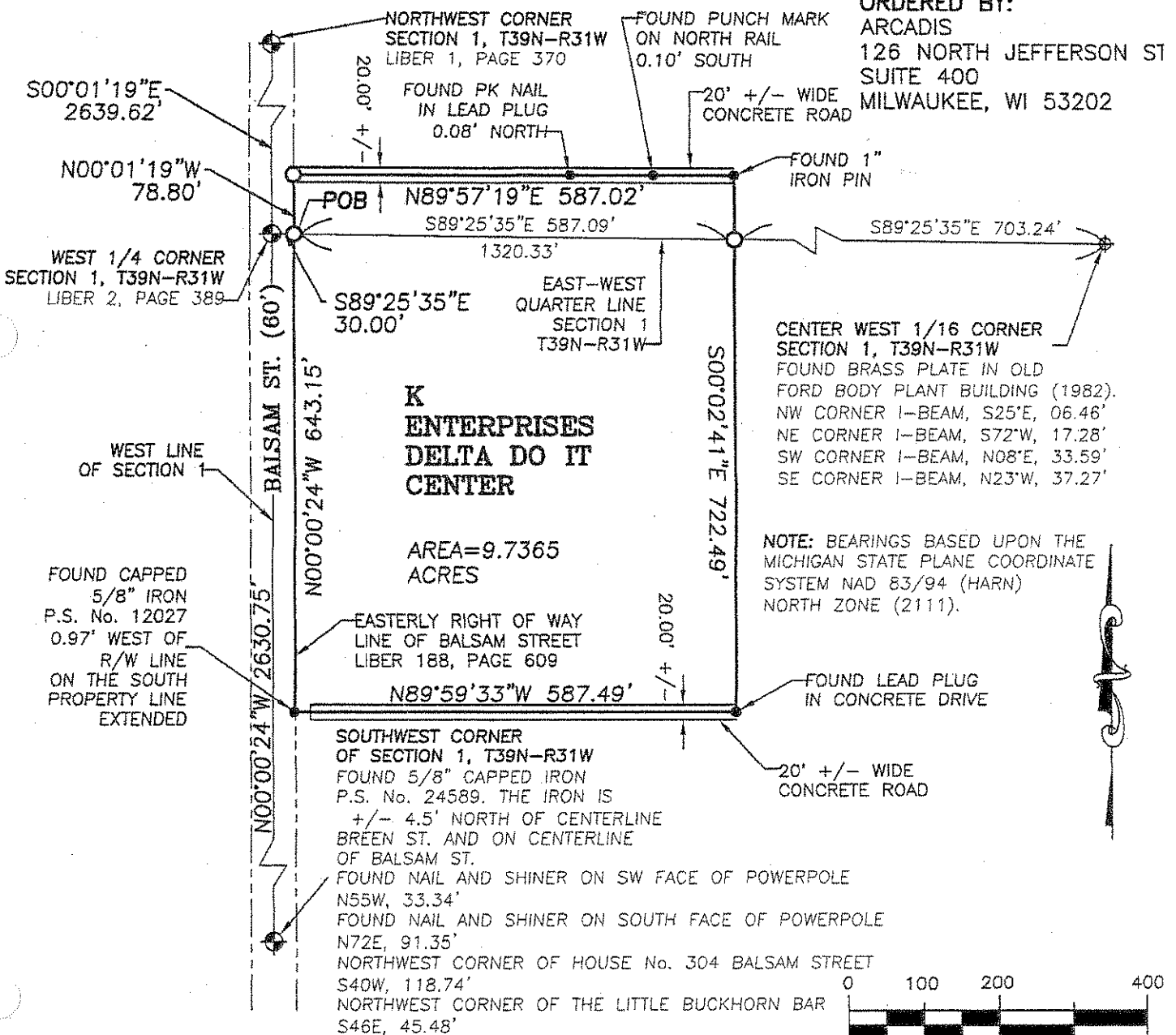
PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 1, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN.

GAL DESCRIPTION:

A parcel of land being part of the Southwest 1/4 of the Northwest 1/4 and part of the Northwest 1/4 of the Southwest 1/4 of Section 1, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:

Commencing at the West 1/4 corner of Section 1; thence S89°25'35"E, 30.00' along the East-West 1/4 line of Section 1 to the Easterly right-of-way line of Balsam street being the Point of Beginning; thence N00°01'19"W, 78.80' along the Easterly right-of-way line to the approximate centerline of a 20 foot wide concrete roadway; thence N89°57'19"E, 587.02' along the approximate centerline of a 20 foot wide East-West concrete roadway; thence S00°02'41"E, 722.49' to the approximate centerline of a 20 foot wide East-West concrete roadway; thence N89°59'33"W, 587.49' along the approximate centerline of a 20 foot wide East-West concrete roadway to the Easterly right-of-way line of Balsam street; thence N00°00'24"W, 643.15' along the Easterly right-of-way line to the Point of Beginning containing 9.7365 acres and subject to restrictions, reservations, rights-of-way and easements of record.

ORDERED BY:
 ARCADIS
 126 NORTH JEFFERSON ST
 SUITE 400
 MILWAUKEE, WI 53202



NOTE: BEARINGS BASED UPON THE MICHIGAN STATE PLANE COORDINATE SYSTEM NAD 83/94 (HARN) NORTH ZONE (2111).



SCALE: 1" = 200'

SURVEYOR'S CERTIFICATE

I hereby certify that I have surveyed and mapped the land above platted and/or described on Feb. 2, 2005, and that the ratio of closure on the unadjusted field observations was 0.03' in 2,595', and that all the requirements of P.A. 132 of 1970 as amended have been complied with.

aries\base.DWG

EXHIBIT B

INDUSTRIAL LAND USE CATEGORY

An industrial site will include sites with the following characteristics:

1. The primary activity at the property is and will continue to be industrial in nature (e.g., manufacturing, utilities, industrial research and development, petroleum bulk storage) and access is and will continue to be reliably restricted consistent with its use (e.g., by fences, security personnel, or both). Inactive or abandoned properties can be included in this category if the use was and/or will be industrial, as described above and access is controlled as necessary to assure unacceptable exposures do not occur. The industrial category does not include farms, gasoline service stations, or other commercial establishments where children may commonly be present.
2. The current zoning of the property is industrial, the zoning is anticipated to be industrial or the current industrial use is a legal non-conforming use. This may include different zoning designations, depending on the community, such as "light industrial" or "heavy industrial."

COMMERCIAL LAND USE CATEGORY

A commercial site would include sites with the following characteristics:

1. The primary activity at the property is and will continue to be commercial in nature (e.g., retail, warehouse, office/business space). This could include abandoned or inactive commercial properties as long as they fit both the definition of a commercial land use and one of the subcategory definitions described below.
2. The current zoning of the property is commercial, future zoning is anticipated to be commercial, or the current commercial use is a legal nonconforming use. This may include different zoning designations, depending on the community, such as "community commercial," "regional commercial," "retail," or "office-business."

Subcategory II: The following features characterize this commercial land use subcategory. Access to the public is reliably restricted, consistent with its use, by fences, security, or both. Affected surficial soils are located in unpaved or landscaped areas that are frequently contacted by worker populations such as groundskeepers, maintenance workers, or other employees whose primary duties are performed outdoors. If groundwater were relied on for drinking water, worker populations would receive half of their total exposure from on-site drinking water. This subcategory could include, but is not limited to, the following uses:

- large-scale commercial warehouse operations
- wholesale lumber yards
- building supply warehouses

The degree of exposure for such employees under subcategory II property is assumed to be equivalent to the exposures used to model outdoor activities in the development of the generic industrial criteria. As a result, a unique set of generic criteria has not been defined for this subcategory of commercial land use. Properties which fall into this subcategory should be addressed through the application of the generic industrial criteria or through a facility-specific risk assessment.

Subcategory III: A subcategory III commercial property is characterized by the following features. Access to the public is unrestricted, however, the general public's occupancy of the property is expected to be intermittent and significantly less in frequency and duration relative to the population working at the facility. Although some of the activities for both worker populations and the general public at a subcategory III commercial property are conducted indoors, a significant component of their activity will likely be outdoors. Affected surficial soils are located in unpaved or landscaped areas that may be contacted frequently, primarily by the worker populations (as may be the cases at gas stations, auto dealerships, or building supply warehouses with unpaved or landscaped areas). If site groundwater were relied on for drinking water, worker populations would receive about half of their total exposure from the site. This subcategory could include, but is not limited to, the following uses:

- Retail gas stations
- Auto service stations

Page 11 of 12 GL 582/325
NMJ Date 09/21/2005 Time 12:03:55

- Auto dealerships
- Retail warehouses selling the majority of their merchandise indoors but including some limited storage or stockpiling of materials in an outdoor yard (building supply, retail flower and garden shops not involving on site plant horticulture and excluding open air nurseries, tree farms, and sod farms which would fall into an agricultural land use).
- Repair and service establishments including but not limited to, lawn mower, boat, snowmobile, or small appliance repair shops that have small outdoor yards.
- Small warehouse operations

Subcategory IV: A subcategory IV commercial site is characterized by the following features. Access to the public is unrestricted, however, the general public's occupancy of the facility is intermittent in frequency and of short duration relative to the worker populations resident at the facility (i.e., the frequency and duration of general public occupancy at the property is typified by the time necessary to transact business at a retail establishment or to receive personal services). The predominant activities performed by both workers and the general public at this type of commercial property are conducted indoors. Affected surficial soils are located in unpaved or landscaped areas that are contacted by worker populations on an occasional basis, such as outdoor break or eating areas. General public contact with these areas is anticipated to be significantly less than the worker's contact, both in terms of frequency and duration. If groundwater were relied upon for drinking water, worker populations would receive one-half of their total exposure at the facility. This subcategory could include, but is not limited to, the following uses:

- Professional offices (lawyers, architects, engineers, real estate, insurance, etc.)
- Medical/dental offices and clinics (not including hospitals)
- Banks, credit unions, savings and loan institutions, etc.
- Publicly owned office buildings
- Any retail business whose principal activity is the sale of food or merchandise within and enclosed building
- Personal service establishments which perform services indoors (health clubs, barber/beauty salons, mortuaries, photographic studios, etc.).

Former Northeast Pit Declaration of Restrictive Covenant

Summary of Response Activities

Areas of the Property described in Exhibits A and B contain hazardous substances in excess of the concentrations developed as the unrestricted residential criteria under Section 20120a(1)(a) or (17) of the NREPA that have not been addressed through response activities undertaken pursuant to the MDEQ-approved IRAP. The MDEQ recommends that prospective purchasers or users of the Property undertake appropriate due diligence prior to acquiring or using this Property, and undertake appropriate actions to comply with the requirements of Section 20107a of the NREPA.

For a more in-depth description of the affected media, the nature of the hazardous substances and how the response activities address unacceptable risks for all relevant pathways, see the IRAP discussed above and the Baseline Environmental Assessment, copies of both of which can be obtained from the property owner, the MDEQ and at the repository located at the Dickinson-Iron Mountain Public Library.

Definitions

"MDEQ" means the Michigan Department of Environmental Quality, its successor entities, and those persons or entities acting on its behalf.

"Owner" means at any given time the then current title holder of the Property or any portion thereof.

All other terms used in this document which are defined in Part 3, Definitions, of the NREPA; Part 201 of the NREPA; or the Part 201 Administrative Rules ("Part 201 Rules"), 1990 AACS R 299.5101 *et seq.* shall have the same meaning in this document as in Parts 3 and 201 of the NREPA and the Part 201 Rules, as of the date of filing of this Restrictive Covenant.

NOW THEREFORE,

Declaration of Land Use or Resource Use Restrictions

Pursuant to the IRAP, the Owner hereby declares and covenants that the Property shall be subject to the following restrictions and conditions:

1. The Owner shall prohibit all uses of the Property that are not compatible with the land use categories of Industrial and Commercial II, III and IV, as defined in Section 20120a(1) of Part 201 of NREPA, and the Michigan Department of Environmental Quality ("MDEQ"), Operational Memorandum #18, Revision 1, dated June 7, 2000. See Exhibit C for descriptions of the land use categories of Industrial and Commercial II, III and IV. All other uses of the Property, including residential use, are strictly prohibited. Cleanup criteria and associated land-use descriptions are located in the Government Documents section of the State of Michigan Library.

2. The Owner shall prohibit the following activities:

A. Prohibited Activities on the Entire Property:

- The use or removal of any groundwater located beneath the Property for any purpose shall be prohibited, except for activities associated with environmental response and/or approved in writing by the MDEQ.
- All excavation and digging activities on the Property shall be conducted in accordance with the Property's Waste Management Plan and Construction Health and Safety Plan Guideline, attached as Exhibits D and E.

- All activities on the Property shall be conducted in a manner that does not damage, remove or otherwise tamper with any monitoring wells or vapor probes located on the Property, unless otherwise permitted in writing by the MDEQ.

B. Prohibited Activities on the Cover System:

- The Cover System shall not be removed, all or in part, unless strictly performed in conformance with the restrictions in this Restrictive Covenant, or unless otherwise approved by the MDEQ. The Cover System shall be maintained in perpetuity, in accordance with the Operation and Maintenance Plan, attached as Exhibit F. Permanent markers shall be maintained that describe the restricted area of the NE Pit and the nature of the restrictions, attached as Exhibit G. Any and all use of the Cover System for storage purposes shall be subject to weight limitations consistent with a standard passenger car asphalt parking lot (gross vehicle weight of 7,500 pounds). Exhibit F may be amended and/or modified from time to time, and if so, a revised Exhibit F will be recorded with the Register of Deeds to reflect such amendments or modifications. The submission of a revised Exhibit F shall not require approval or an amendment to this Restrictive Covenant.
- Any and all construction activities upon areas encompassing the Cover System (including the associated storm water controls) shall be conducted in conformance with the Property's Operation and Maintenance Plan. Any excavation or other intrusive activity that could affect the integrity of the Cover System are prohibited, unless related to the maintenance or operation of the cover system.

C. Prohibited Activities on Areas Not Part of the Cover System:

Upon the portion of the Property that is not a part of the Cover System, the Owner declares the following additional restriction:

- Any confined structures built shall be equipped with a vapor control system constructed in accordance with the specifications outlined in the document entitled "Guidelines for Vapor Control System Installation, Ford-Kingsford Products Facility" dated January 21, 2005, attached as Exhibit H.

3. The Owner shall prohibit activities on the Property that may interfere with any element of the IRAP or RAP, including the performance of operation and maintenance activities, monitoring, or other measures necessary to ensure the effectiveness and integrity of the IRAP.

4. Permanent Markers. The Owner shall not remove, cover, obscure, or otherwise alter or interfere with the permanent markers placed at the locations noted in Exhibit E. The Owner shall keep vegetation and other materials clear of the permanent markers to assure that the markers are readily visible.

5. Contaminated Soil Management. The Owner shall manage all soils, media and/or debris located on the Property in accordance with the applicable requirements of Section 20120c of the NREPA; Part 111, Hazardous Waste Management, of the NREPA; Subtitle C of the Resource Conservation and Recovery Act, 42 U.S.C. §6901 *et seq.*; the administrative rules promulgated thereunder; and all other relevant state and federal laws. These materials shall also be managed in accordance with the Property's Waste Management Plan and Construction Health and Safety Plan Guideline, attached as Exhibits F and G.

6. Access. The Owner shall grant Ford, KPC, and their contractors and subcontractors, including but not limited to, ARCADIS G&M, Inc., access to the Property to perform whatever environmental response actions may be requested or required by the MDEQ or determined to be appropriate by Ford and KPC. The environmental response actions which may be requested or required on the Property, include, but are not limited to (a) installation, maintenance and/or monitoring of vapor control system(s); (b) installation, maintenance and/or monitoring of any active or passive venting

system(s); (c) installation, maintenance and/or monitoring of vapor probes and groundwater monitoring wells; (d) installation, inspection, maintenance and/or monitoring of methane detectors; and (e) inspection and sealing of any cracks in the foundation or on the lowest floor of any improvements on the Property.

The Owner shall allow the MDEQ, Ford, KPC and their authorized employees, agents, representatives, contractors, subcontractors and consultants to enter the Property at all reasonable times, upon presentation of proper credentials and upon making a reasonable effort to contact the person in charge of the Property, for the purpose of conducting any activity for which access is required for the implementation of response action with respect to the presence of methane or other constituents at the Property or to otherwise fulfill any responsibility under federal or state law including, but not limited to, the following:

- (1) Monitoring response activities or any other activities taking place on the Property with respect to methane or other substances;
- (2) Verifying any data or information submitted to the MDEQ related to methane or other substances;
- (3) Assessing the need for, planning, or conducting investigations relating to methane or other substances;
- (4) Obtaining samples related to methane or other substances;
- (5) Assessing the need for, planning, or conducting, response activities at or near the Property,
- (6) Assessing compliance with requirements for the performance of monitoring, operation and maintenance, or other measures necessary to assure the effectiveness and integrity of a remedial action related to methane or other substances;
- (7) Inspecting and copying non-privileged records, operating logs, contracts, or other documents relating to methane or other substances;
- (8) Communicating with Ford and KPC's representatives, or consultants for the purpose of assessing compliance with any court order or the Consent Judgment entered on October 26, 2004;
- (9) Determining whether the Property is being used in a manner that is or may need to be prohibited or restricted pursuant to any IRAP, IRDC, remedial action plan or Consent Judgment related to methane or other substances; and
- (10) Assuring the protection of public health, safety, welfare and the environment with respect to methane or other substances.

The Owner agrees that it will execute any documents required for the remedy on the Property, including but not limited to, a concurrence for any response action, or consent to any restrictive covenant, notice of approved environmental remediation, or other document necessary for a remedial action plan or interim response activity plan related to the Property.

7. Notices.

A. Notice of Intent to Transfer Property.

The Owner shall provide notice to the MDEQ and Ford and KPC of the Owner's intent to transfer any interest in the Property at least fourteen (14) business days prior to consummating the conveyance.

A conveyance of title, an easement, or other interest in the Property, shall not be consummated by the Owner without adequate and complete provision for compliance with the terms and conditions of this Restrictive Covenant and the applicable provisions of Section 20116 of the NREPA. The notice required to be made to the MDEQ under this Paragraph shall be made to: Director, MDEQ, P.O. Box 30473, Lansing, Michigan 48909-7973; and shall include a statement that the notice is being made pursuant to the requirements of this Restrictive Covenant, and a reference to the property description. A copy of this Restrictive Covenant shall be provided to all future owners, heirs, successors, lessees, easement holders, assigns, and transferees by the person transferring the interest.

B. Notice of Disturbance of Remedial Measures.

The Owner shall notify the Ford, KPC or their designee of the type, cause, location and date of any disturbance to any remedial measures taken or remedial equipment, including the Cover System and the groundwater monitoring wells, installed on the Property pursuant to the IRAP or a RAP which could affect the ability of such remedial measures, remedial equipment, or monitoring system to perform their respective functions. Notification shall be provided via verbal discussion, facsimile or electronic mail correspondence within 24 hours of the discovery of any such disturbance to the following:

If to Designee:

Ken Tousignant
Stephens & Associates, Inc.
1320 Carpenter Avenue
Iron Mountain, MI 49801
(906) 774-8570
(906) 774-0131 (fax)
ken@stephensandassoc.com

With a Copy to:

Dickinson Wright PLLC
500 Woodward Avenue, Suite 4000
Detroit, MI 48226
(313) 223-3500
(313) 223-3598 (fax)

Ford-Kingsford Products Facility Project Coordinator
Att.: Richard L. Studebaker, Jr., P.E.
ARCADIS G&M, Inc.
126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
(414) 276-7742
(414) 276-7603 (fax)
rstudebaker@arcadis-us.com

If to Ford:

David Miller
Fairlane Plaza North
290 Town Center Drive
Dearborn, MI 48126
(313) 322-3761
(313) 248-5030 (fax)
dmiller2@ford.com

General Counsel
Ford Motor Company
World Headquarters

One American Road, Room 407-A2
Dearborn, MI 48126
(313) 845-8476
(313) 390-3308

With a Copy to:
Dickinson Wright PLLC
500 Woodward Ave, Suite 4000
Detroit, MI 48226-3425
(313) 223-3500
(313) 223-3698 (fax)

Ford-Kingsford Products Facility Project Coordinator
Att.: Richard L. Studebaker, Jr., P.E.
ARCADIS G&M, Inc.
126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
(414) 276-7742
(414) 276-7603 (fax)
rstudebaker@arcadis-us.com

If to KPC:
J. David Langford
Associate Vice President Burns & McDonnell Engineering Company, Inc.
9400 Ward Parkway
Kansas City, MO 64141
(816) 822-3175
(816) 822-3494 (fax)
jlang@burnsmcd.com

General Counsel
The Kingsford Products Company
1221 Broadway, 24th Floor
Oakland, CA 94612
(510) 271-7000
(510) 271-1696 (fax)

With a Copy to:
Michael L. Robinson
Warner Norcross & Judd LLP
111 Lyon Street, NW, Suite 900
Grand Rapids, Michigan 49053
(616) 752-2128
(616) 222-2128 (fax)
mrobinson@wnj.com

Ford-Kingsford Products Facility Project Coordinator
Att.: Richard L. Studebaker, Jr., P.E.
ARCADIS G&M, Inc.
126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
(414) 276-7742

(414) 276-7603 (fax)
rstudebaker@arcadis-us.com

8. Term and Enforcement of Restrictive Covenant.

The State of Michigan, through the MDEQ, and Ford and KPC or their agents or assigns may enforce the restrictions set forth in this Restrictive Covenant by legal action in a court of competent jurisdiction.

This Restrictive Covenant shall run with the Property, and shall be binding upon the Owner, future owners, and all current and future successors, lessees, easement holders, their assigns and their authorized agents, employees, or persons acting under their direction and control, of all or any portion of each of the parcels which comprise the Property. It shall be the obligation of each and every Owner of any portion of the Property to provide a copy of this Restrictive Covenant to all of its heirs, successors, lessees, assigns and transferees of an interest in the Property. Recordation of this Restrictive Covenant shall be deemed binding on all successors, assigns, future owners of any interest in the Property, and lessees, regardless of whether a copy of this Restrictive Covenant has been attached or incorporated into any given deed, transfer document or lease.

This Restrictive Covenant may only be modified or rescinded with the written approval of the MDEQ, Ford and KPC except as specifically set forth herein.

9. Severability. If any provision of this Restrictive Covenant is held to be invalid by any court of competent jurisdiction, the invalidity of such provision shall not affect the validity of any other provisions hereof. All such other provisions shall continue unimpaired in full force and effect.

10. Authority to Execute Restrictive Covenant. The undersigned person executing this Restrictive Covenant has the express written permission of the Owner and represents and certifies that he or she is duly authorized and has been empowered to execute and deliver this Restrictive Covenant.

[Remainder of page intentionally left blank].

EXHIBIT A

LEGAL DESCRIPTION OF THE PROPERTY

CERTIFICATE OF SURVEY

PART OF THE SOUTH HALF OF THE NORTHEAST QUARTER (S 1/2, NE 1/4) OF SECTION 2,
T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN

Page 10 of 188 GL 744/10
NMJ Date 01/26/2012 Time 09:42:19

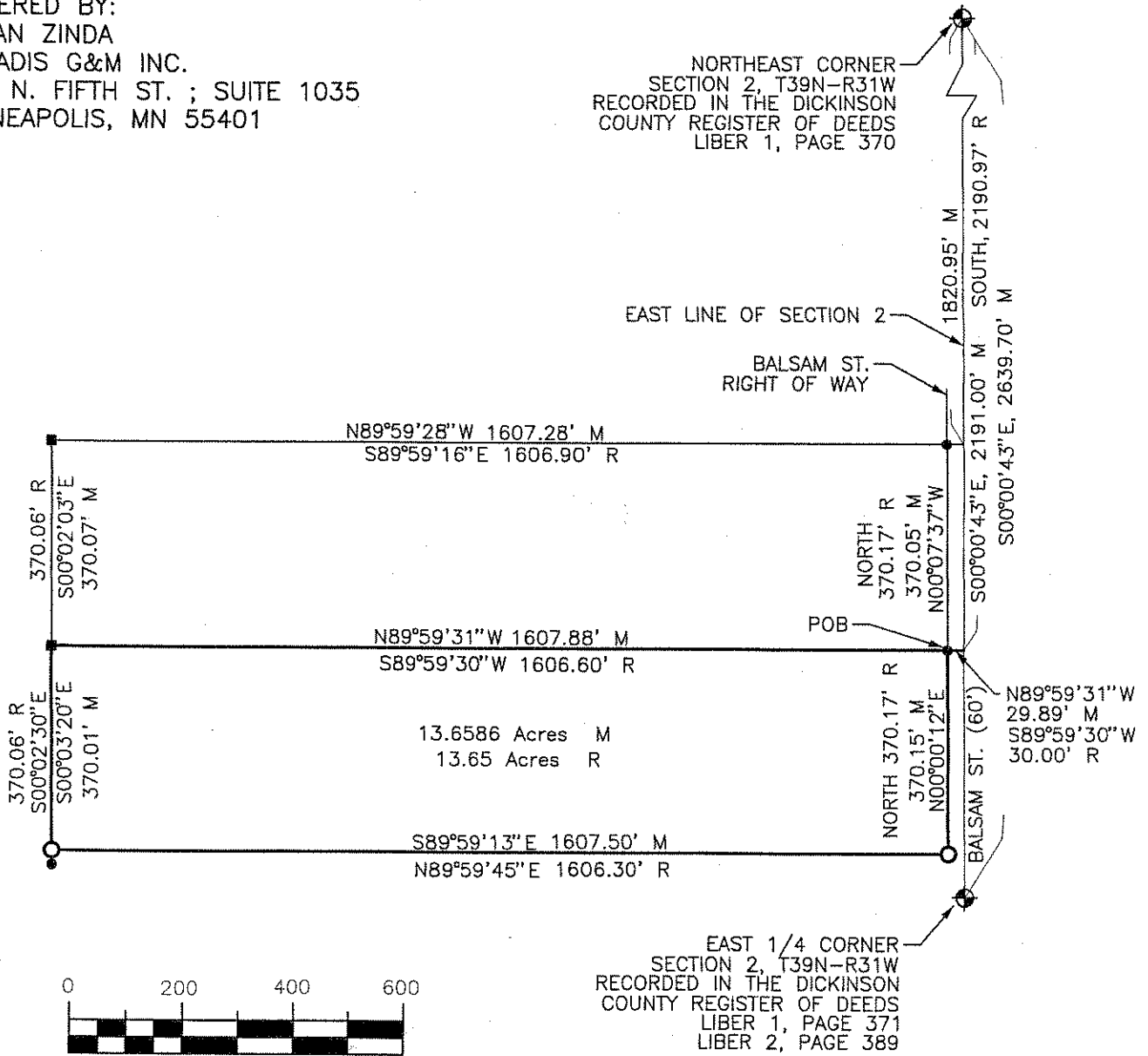
LEGAL DESCRIPTION

A parcel of land being part of the South Half of the Northeast Quarter of Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:

Commencing at the Northeast corner of Section 2, thence **S00°00'43"E, 2191.00'** along the East line of section 2; thence **N89°59'31"W, 29.89'** to the Westerly right of way line of Balsam Street and the Point of Beginning; thence continuing **N89°59'31"W, 1607.88'**; thence **S00°03'20"E, 370.01'**; thence **S89°59'13"E, 1607.50'** to the Westerly right of way line of Balsam Street; thence **N00°00'12"E, 370.15'** along the Westerly right of way line to the Point of Beginning containing **13.6586 acres** and subject to restrictions, reservations, rights of way, and easements of record.

ORDERED BY:
BRYAN ZINDA
ARCADIS G&M INC.
420 N. FIFTH ST. ; SUITE 1035
MINNEAPOLIS, MN 55401

NORTHEAST CORNER
SECTION 2, T39N-R31W
RECORDED IN THE DICKINSON
COUNTY REGISTER OF DEEDS
LIBER 1, PAGE 370



EAST 1/4 CORNER
SECTION 2, T39N-R31W
RECORDED IN THE DICKINSON
COUNTY REGISTER OF DEEDS
LIBER 1, PAGE 371
LIBER 2, PAGE 389

NOTE: BEARINGS BASED UPON MICHIGAN STATE
PLANE COORDINATE SYSTEM NAD 83/94 (HARN)
NORTH ZONE (2111).

SURVEYOR'S CERTIFICATE

I hereby certify that I have surveyed and mapped the land above platted and/or described as

CERTIFICATE OF SURVEY

PART OF THE SOUTH HALF OF THE NORTHEAST QUARTER (S 1/2, NE 1/4) OF SECTION 2,
T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN

PARCEL DESCRIPTIONS

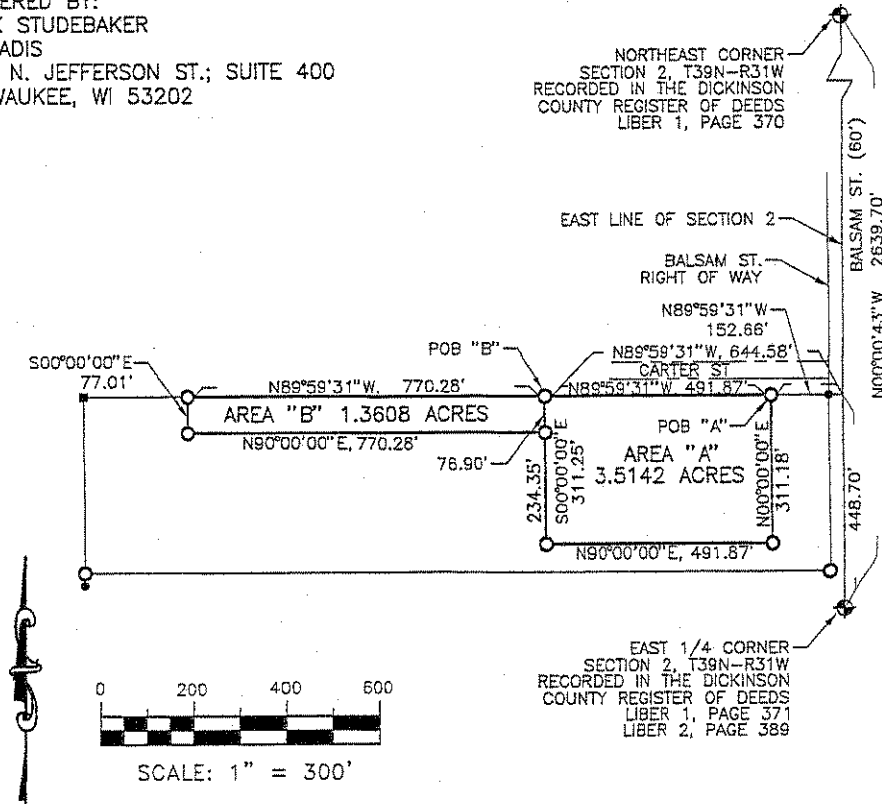
AREA "A"

A parcel of land being part of the South Half of the Northeast Quarter of Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:
Commencing at the East 1/4 corner of Section 2, thence N00°00'43"W, 448.70' along the East line of section 2; thence N89°59'31"W, 152.66' to the Point of Beginning "A"; thence continuing N89°59'31"W, 491.87'; thence S00°00'00"E, 311.25'; thence N90°00'00"E, 491.87'; thence N00°00'00"E, 311.18' to the Point of Beginning "A" containing 3.5142 acres and subject to restrictions, reservations, rights of way, and easements of record.

AREA "B"

A parcel of land being part of the South Half of the Northeast Quarter of Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:
Commencing at the East 1/4 corner of Section 2, thence N00°00'43"W, 448.70' along the East line of section 2; thence N89°59'31"W, 644.53' to the Point of Beginning "B"; thence continuing N89°59'31"W, 770.28'; thence S00°00'00"E, 77.01'; thence N90°00'00"E, 770.28'; thence N00°00'00"E, 76.90' to the Point of Beginning "B" containing 1.3608 acres and subject to restrictions, reservations, rights of way, and easements of record.

ORDERED BY:
RICK STUDEBAKER
ARCADIS
126 N. JEFFERSON ST.; SUITE 400
MILWAUKEE, WI 53202



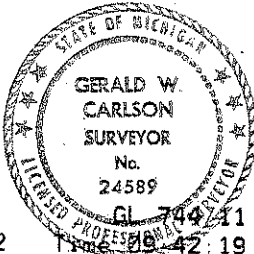
NOTE: BEARINGS BASED UPON MICHIGAN STATE PLANE COORDINATE SYSTEM NAD 83/94 (HARN) NORTH ZONE (2111).

SURVEYOR'S CERTIFICATE

I hereby certify that I have surveyed and mapped the land above platted and/or described on Nov. 4, 2004, and that the ratio of closure on the unadjusted field observations was less than 1 in 5000, and that all the requirements of P.A. 132 of 1970 as amended have been complied with.

STS Consultants, Ltd.

BY: Gerald W. Carlson DATE: 11-4-04
GERALD W. CARLSON PS No. 24589



LEGEND ● - Found Iron ○ - Set Concrete Monument ■ - Found Concrete Monument C - Set 5/8" Iron W/P.S. Cop #24589 R - RECORDED M - MEASURED	DRAWN BY: SJB	JOB NO. 10092
	SCALE: 1" = 300'	SHEET <u>1</u> OF <u>1</u>
DATE: 11/4/04	REVISIONS	



STS Consultants, Ltd.
555 River Avenue Iron River, MI 49935 906/265-2525
1050 Wilson St. Marquette MI 49855 906/228-2333
WATS 800-441-0669

S:\GIS\10092\ARCADIS\NOV-04\EGPT\10092L001.DWG

EXHIBIT B

SURVEY OF THE PROPERTY

CERTIFICATE OF SURVEY

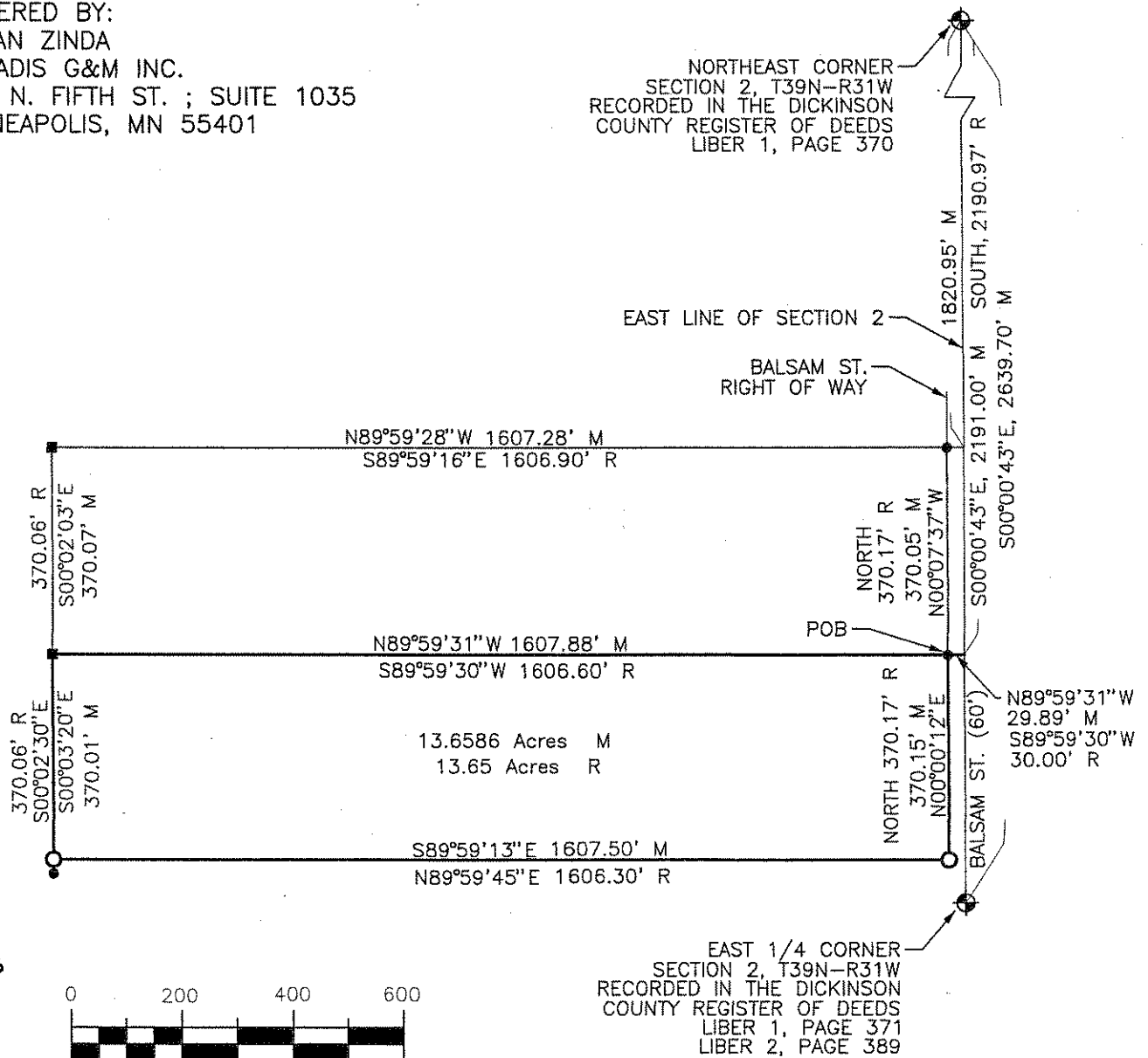
PART OF THE SOUTH HALF OF THE NORTHEAST QUARTER (S 1/2, NE 1/4) OF SECTION 2,
T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN

LEGAL DESCRIPTION

A parcel of land being part of the South Half of the Northeast Quarter of Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:

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ORDERED BY:
BRYAN ZINDA
ARCADIS G&M INC.
420 N. FIFTH ST. ; SUITE 1035
MINNEAPOLIS, MN 55401



SCALE: 1" = 300'

NOTE: BEARINGS BASED UPON MICHIGAN STATE PLANE COORDINATE SYSTEM NAD 83/94 (HARN) NORTH ZONE (2111).

CERTIFICATE OF SURVEY

PART OF THE SOUTH HALF OF THE NORTHEAST QUARTER (S 1/2, NE 1/4) OF SECTION 2,
 T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN

PARCEL DESCRIPTIONS

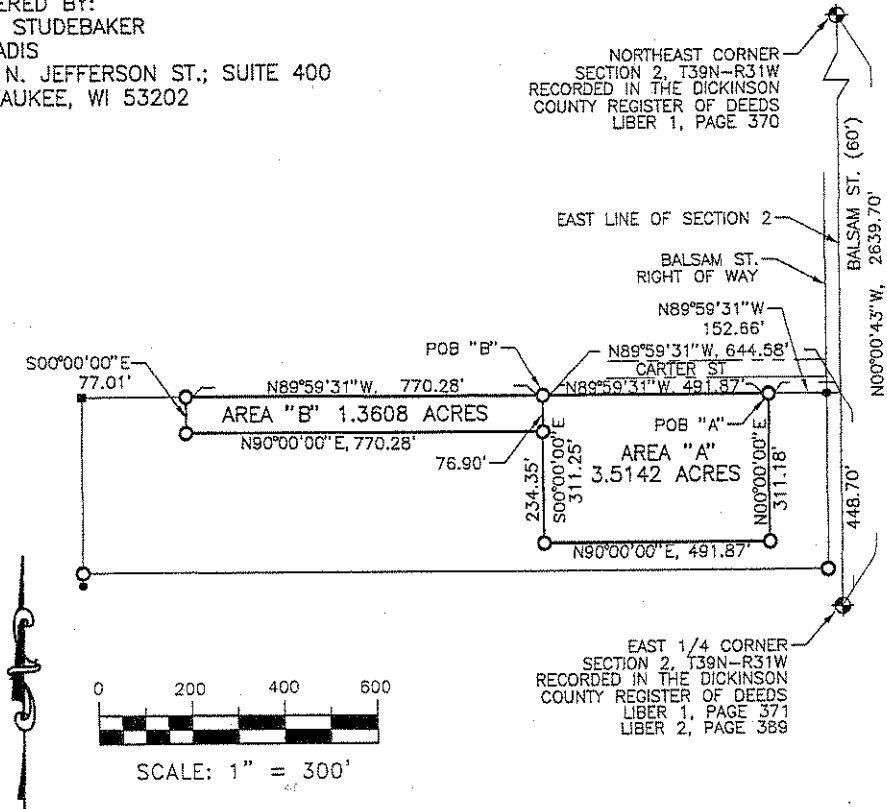
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A parcel of land being part of the South Half of the Northeast Quarter of Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:
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ORDERED BY:
 RICK STUDEBAKER
 ARCADIS
 126 N. JEFFERSON ST.; SUITE 400
 MILWAUKEE, WI 53202



NOTE: BEARINGS BASED UPON MICHIGAN STATE PLANE COORDINATE SYSTEM NAD 83/94 (HARN) NORTH ZONE (2111).

SURVEYOR'S CERTIFICATE

I hereby certify that I have surveyed and mapped the land above platted and/or described on Nov. 4, 2004 and that the ratio of closure on the unadjusted field observations was less than 1 in 5000, and that all the requirements of P.A. 132 of 1970 as amended have been complied with.

STS Consultants, Ltd.

BY: Gerald W. Carlson DATE: 11-4-04
 GERALD W. CARLSON PS No. 24589



LEGEND ● - Found Iron ○ - Set Concrete Monument ■ - Found Concrete Monument □ - Set 5/8" Iron W/P.S. Cap #24589 R - RECORDED M - MEASURED	DRAWN BY: SJB	JOB NO. 10092
	SCALE: 1" = 300'	SHEET <u>1</u> OF <u>1</u>
DATE: 11/4/04	REVISIONS	
STS Consultants, Ltd. 555 River Avenue Iron River, MI 49935 906/265-2525 1050 Wilson St. Marquette MI 49855 906/228-2333 WATS 800-441-0669		

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EXHIBIT C

INDUSTRIAL LAND USE CATEGORY

An industrial site will include sites with the following characteristics:

1. The primary activity at the property is and will continue to be industrial in nature (e.g., manufacturing, utilities, industrial research and development, petroleum bulk storage) and access is and will continue to be reliably restricted consistent with its use (e.g., by fences, security personnel, or both). Inactive or abandoned properties can be included in this category if the use was and/or will be industrial, as described above and access is controlled as necessary to assure unacceptable exposures do not occur. The industrial category does not include farms, gasoline service stations, or other commercial establishments where children may commonly be present.
2. The current zoning of the property is industrial, the zoning is anticipated to be industrial or the current industrial use is a legal non-conforming use. This may include different zoning designations, depending on the community, such as "light industrial" or "heavy industrial."

COMMERCIAL LAND USE CATEGORY

A commercial site would include sites with the following characteristics:

1. The primary activity at the property is and will continue to be commercial in nature (e.g., retail, warehouse, office/business space). This could include abandoned or inactive commercial properties as long as they fit both the definition of a commercial land use and one of the subcategory definitions described below.
2. The current zoning of the property is commercial, future zoning is anticipated to be commercial, or the current commercial use is a legal nonconforming use. This may include different zoning designations, depending on the community, such as "community commercial," "regional commercial," "retail," or "office-business."

Subcategory II: The following features characterize this commercial land use subcategory. Access to the public is reliably restricted, consistent with its use, by fences, security, or both. Affected surficial soils are located in unpaved or landscaped areas that are frequently contacted by worker populations such as groundskeepers, maintenance workers, or other employees whose primary duties are performed outdoors. If groundwater were relied on for drinking water, worker populations would receive half of their total exposure from on-site drinking water. This subcategory could include, but is not limited to, the following uses:

- large-scale commercial warehouse operations
- wholesale lumber yards
- building supply warehouses

The degree of exposure for such employees under subcategory II property is assumed to be equivalent to the exposures used to model outdoor activities in the development of the generic industrial criteria. As a result, a unique set of generic criteria has not been defined for this subcategory of commercial land use. Properties which fall into this subcategory should be addressed through the application of the generic industrial criteria or through a facility-specific risk assessment.

Subcategory III: A subcategory III commercial property is characterized by the following features. Access to the public is unrestricted, however, the general public's occupancy of the property is expected to be intermittent and significantly less in frequency and duration relative to the population working at the facility. Although some of the activities for both worker populations and the general public at a subcategory III commercial property are conducted indoors, a significant component of their activity will

likely be outdoors. Affected surficial soils are located in unpaved or landscaped areas that may be contacted frequently, primarily by the worker populations (as may be the cases at gas stations, auto dealerships, or building supply warehouses with unpaved or landscaped areas). If site groundwater were relied on for drinking water, worker populations would receive about half of their total exposure from the site. This subcategory could include, but is not limited to, the following uses:

- Retail gas stations
- Auto service stations
- Auto dealerships
- Retail warehouses selling the majority of their merchandise indoors but including some limited storage or stockpiling of materials in an outdoor yard (building supply, retail flower and garden shops not involving on site plant horticulture and excluding open air nurseries, tree farms, and sod farms which would fall into an agricultural land use).
- Repair and service establishments including but not limited to, lawn mower, boat, snowmobile, or small appliance repair shops that have small outdoor yards.
- Small warehouse operations

Subcategory IV: A subcategory IV commercial site is characterized by the following features. Access to the public is unrestricted, however, the general public's occupancy of the facility is intermittent in frequency and of short duration relative to the worker populations resident at the facility (i.e., the frequency and duration of general public occupancy at the property is typified by the time necessary to transact business at a retail establishment or to receive personal services). The predominant activities performed by both workers and the general public at this type of commercial property are conducted indoors. Affected surficial soils are located in unpaved or landscaped areas that are contacted by worker populations on an occasional basis, such as outdoor break or eating areas. General public contact with these areas is anticipated to be significantly less than the worker's contact, both in terms of frequency and duration. If groundwater were relied upon for drinking water, worker populations would receive one-half of their total exposure at the facility. This subcategory could include, but is not limited to, the following uses:

- Professional offices (lawyers, architects, engineers, real estate, insurance, etc.)
- Medical/dental offices and clinics (not including hospitals)
- Banks, credit unions, savings and loan institutions, etc.
- Publicly owned office buildings
- Any retail business whose principal activity is the sale of food or merchandise within and enclosed building
- Personal service establishments which perform services indoors (health clubs, barber/beauty salons, mortuaries, photographic studios, etc.).

EXHIBIT D

WASTE MANAGEMENT PLAN FOR THE PROPERTY

ARCADIS

Page 18 of 188
NMJ Date 01/26/2012

GL 744/18

Time 09:42:19

Appendix E

Waste Management Plan

ARCADIS

Page 19 of 188
NMJ Date 01/26/2012

GL 744/19
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Appendix E
Waste Management Plan

Former Northeast Pit
Interim Response Action Plan
Ford/Kingsford Site
Kingsford, Michigan

PREPARED FOR

Ford Motor Company
The Kingsford Products Company

1. Introduction	1
1.1 Purpose and Scope	1
1.2 Site Description	2
1.3 Site Assessment	2
1.4 Interim Response Action Plan Summary	3
1.5 Future Work	3
2. Characterization Of Wastes And Materials	5
2.1 Estimated Waste Volumes and Management	5
2.1.1 NE Pit Waste Material	5
2.1.2 Channel Waste Material	6
2.1.3 Excavated Soil	6
2.1.4 Excavated Debris Material	7
2.1.5 Water From Dewatering Operations	7
2.1.6 Stormwater-Related Waste Material	7
2.1.7 Decontamination Water and Solids	8
2.1.8 Personal Protective Equipment and Other Construction Related Material	9
2.1.9 Final Demobilization Material	9
3. IRAP Implementation	12
3.1 Excavation, Backfilling, and Grading	12
3.1.1 Clearing and Grubbing	12
3.1.2 Excavation and Backfilling	12
3.1.3 Grading	12
3.2 Verification Soil Sampling	13
3.3 Stormwater Management	13
3.3.1 Construction Stormwater, Sediment, and Erosion Control Practices	13
3.3.2 Silt Fencing	14
3.3.3 Diversion Ditches	15

3.3.4	Check Dams	15
3.3.5	Temporary Construction Entrances	15
3.4	Waste Material Containerization, Storage, Tracking, and Reporting	16
3.4.1	Containerization	16
3.4.2	Storage	17
3.4.3	Reporting	18
3.5	Decontamination and Site Demobilization	18
3.5.1	Heavy Equipment	18
3.5.2	Haul Roads	18
3.5.3	Stockpile Base Areas	18
4.	Future Work	20
4.1	Excavation, Backfilling, and Grading	20
4.1.1	Clearing and Grubbing	20
4.1.2	Excavation and Backfilling	20
4.2	Solid Waste Material	21
4.2.1	Waste Material	21
4.3	Stormwater Management	21
4.4	Construction Stormwater, Sediment, and Erosion Control Practices	21
4.4.1	Silt Fences	22
4.4.2	Diversion Ditches	23
4.4.3	Check Dams	23
4.4.4	Temporary Construction Entrances	23
5.	Employee Training	25
6.	Emergency Response	26
6.1	Spill Prevention	28
7.	Implementation	29
8.	WMP Approvals	30

Table

ARCADIS

Table of Contents

- E4-1 Verification Soil Sampling Analytical Parameters, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- E7-1 Emergency Telephone Numbers and Directions to Dickinson County Memorial Hospital, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Figures

- E2-1 Location of Former Northeast Pit, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- E2-2 Northeast Pit Site Plan and Cover System Footprint, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- E7-1 Route to Hospital, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

1. Introduction

This Waste Management Plan (WMP) has been prepared for use in conjunction with implementation of the Interim Response Action Plan (IRAP) for the Former Northeast Pit Area (NE Pit) at the Ford/Kingsford Site in Kingsford, Michigan. Waste generated at the NE Pit during the implementation of the IRAP and in future work conducted at the NE Pit will be handled in accordance with this plan. This document is organized to provide background information for the site, present the IRAP implementation waste management plan, and present the approach for future waste management, in the event that construction work that takes place after the IRAP construction has been completed. This WMP has been developed in compliance with Public Act 451 of 1994. If any conditions or scope of work covered by the WMP change, a site-specific addendum will be generated prior to the beginning of any work. All work will be performed in accordance with applicable federal, state, and local regulations.

1.1 Purpose and Scope

The objective of this WMP is to provide a framework for management of waste generated from the response activities at the NE Pit. It describes the methods and protocol that will be implemented for removal and disposal of waste, as set forth in the Natural Resource and Environmental Protection Act, Act 451 of 1994, Chapter 4 IRAP Implementation, and Part 91 Soil Erosion and Sedimentation Control. This document will also serve as a general WMP for intrusive activities (subsurface utility work, drilling, excavation, or construction) associated with any future work within the NE Pit. This WMP is to be used in conjunction with the site specific Construction Health and Safety Plan (CHASP) and the Operation and Maintenance (O&M) Plan.

Elements of this WMP address the following:

- Excavation, Filling, and Grading.
- Consolidation and Disposal of Waste.
- Stormwater, Sediment, and Erosion Control Practices.
- Safety, Health, and Emergency Response.
- Waste Management Team.

The WMP defines the manner in which material generated from the construction activities will be managed. Specifically, this plan addresses:

- Estimated volumes and types of material generated.
- Locations of onsite areas where materials will be stored.
- Stormwater management plan for average rainfall.
- Stormwater management plan for catastrophic event.
- Spill prevention.

1.2 Site Description

The city of Kingsford is located in southwestern Dickinson County, in the western part of Michigan's Upper Peninsula. The City is bounded by the Menominee River on the west and south, by the city of Iron Mountain on the north, and by Breitung Township on the east. The NE Pit is located approximately 1,500 feet north of Breitung Avenue and approximately 600 feet west of Balsam Street. The location of the NE Pit is shown in figure E2-1. The NE Pit is located in a relatively flat upland area called the Upper Terrace, approximately 4,000 feet east of the Menominee River. Land use near the NE Pit is primarily commercial, and the area is zoned industrial. There exists a wooded area to the west, Balsam Street and the former plant area to the east. Kingsford Municipal Garage and commercial businesses are present to the north and south, respectively. The NE Pit property is currently owned by Dickinson Homes, although a small portion lies on land owned by Foley Martens. Dickinson Homes periodically uses the property for materials storage.

1.3 Site Assessment

Investigations of the NE Pit were initiated in 1985. ARCADIS has performed additional investigations of the NE Pit since 1997. Based on analytical results from these investigations, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals have been identified at the site with concentrations above the Michigan Part 201 criteria. The NE Pit IRAP presents site assessment results and specific information with respect to the constituents that are above the Michigan Part 201 criteria.

Methane may also be present within the NE Pit area. The biodegradation of organic material in the groundwater is the primary source of methane gas throughout the Ford/KPC site, however biodegradation of organics in the waste material in the NE Pit may also result in the formation of shallow methane gas in the area.

1.4 Interim Response Action Plan Summary

The IRAP that has been recommended for the NE Pit is excavation of the waste material in the "channel" area between the NE Pit and Southwest Pit, consolidation of this waste material with waste contained in the NE Pit, and construction of an engineered cover system comprised of a synthetic liner and geocomposite drainage layer. The surface of the cover system will be an asphalt layer. Figure E2-2 presents a conceptual footprint of the cover system design. A methane venting system will be constructed integral to the cover design, as well as permanent markers to identify and monitor the area. Additionally, the response includes deed restrictions to maintain the integrity of the engineered cover system. The deed restrictions will be written to allow penetration of the cover system only with prior MDEQ approval, under controlled, temporary conditions, and under provision that the integrity of the cover system would be restored at completion of construction.

1.5 Future Work

Any future activities intrusive to the cover system at the NE Pit will require MDEQ approval, and will follow this WMP and the CHASP developed for the area. All workers involved in future activities intrusive to the cover system will receive the proper training, as referenced in the CHASP, if there is the possibility of contact with impacted soils/waste materials beneath the cover system. Any soils/waste materials that are excavated during future construction activities will need to be managed in accordance with this WMP.

After any future construction activities are complete, disturbed portions of the cover system will need to be restored to pre-construction condition. This will require the contractor to follow original design materials, specifications, and procedures in the repair or identify substitutions for prior approval. The disturbed area will be checked for settlement after construction activities. If settling has occurred, the cover system will be inspected to ensure that it still meets the specifications for the cover system. If the cover system does not meet the specifications, it will be re-constructed so that it does.

ARCADIS

Page 26 of 188 GL 744/26
NMJ Date 01/26/2012 Time 09:42:19

**Appendix E
Waste Management
Plan**

Former Northeast Pit
Interim Response Action Plan
Ford/Kingsford Site
Kingsford, Michigan

Any maintenance activities will be conducted in accordance with the site WMP and the CHASP. Any portion of the cover system that is disturbed by future work will be repaired as part of the activities that are being undertaken. The WMP will be followed any time that impacted soil or waste may be generated from onsite activities.

2. Characterization Of Wastes And Materials

The materials that may be generated during construction activities and managed under this WMP include excavated waste material and soil, excavated debris, water from dewatering operations, decontamination water and solids, stormwater and solids, and construction activity waste. The management of excavation areas and minimization of contact between stormwater and waste is the responsibility of the contractor.

This section describes and quantifies materials with the potential to be encountered at the NE Pit, during the course of IRAP implementation. Waste management approaches are given for each type of material described and, where necessary, to provide complete understanding, background, and design information are also supplied. Based on the previous investigations at the NE Pit and the results of the laboratory analysis of the samples collected, materials generated from the NE Pit activities are expected to be non-hazardous.

2.1 Estimated Waste Volumes and Management

The NE Pit response calls for waste from the channel area between the NE Pit and the Southwest Pit, and the NE Pit waste outside the proposed cover system, to be excavated and consolidated under the cover system. Soil below the surface layer and above the waste layer will be excavated and stockpiled, to determine if the material is clean and useful as fill or whether it will be necessary to place it below the cover system. Waste, excavated soil, and other expected and potential waste material are described below.

2.1.1 NE Pit Waste Material

The waste material remaining within the NE Pit is a combination of various types of material. Waste materials encountered ranged from 4 feet to 19 feet thick and are underlain by native silt and sand. The depth to the base of the fill and waste material ranges from 1.5 feet to 35 feet below land surface (ft bls). The waste material is are grouped into several categories, based on the types of waste described in the samples from previously completed soil borings. These categories include:

- Wood tar.

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- Solely wood products (wood pieces, wood chips, bark, sawdust).
- Wood products mixed with charcoal fragments and carbonized wood.
- Combination of wood sludge, wood products, charcoal fragments, and carbon fragments. The wood sludge is likely the solid component of plant process wastewater placed in the NE Pit that settled out from the waste water.

The current volume of all waste types at the NE Pit is estimated at 50,000 cubic yards (cy). Of this volume, wood tar is estimated at 10 percent (5,000 cy), wood products at 35 percent (17,500 cy), and the volume of sludge-wood-charcoal material is estimated at 55 percent (27,500 cy). The majority of the wood tar is present in a 5-foot layer around the location of Soil Boring GMSB-37, and in a 1-foot layer in the central area and southern side of the former pit. The combined wood sludge-wood-charcoal unit appears to be inter-layered with the wood products and wood tar, and predominates in the eastern and southern portions of the pit. This estimation was obtained on review of the lithologic logs created from soil borings during drilling for the design investigation. The volume of sand fill above the waste material is approximately 30,000 cy.

2.1.2 Channel Waste Material

The channel connecting the NE Pit to the Southwest Pit also contains fill and waste material. The distribution and thickness of the waste material ranges from 0.5 feet to a maximum of 4 feet (at Soil Borings GMSB-41 and GMSB-42). The maximum depth to the base of the fill or waste material in the channel is 11 ft bls. The maximum thickness of sand cover in the channel is 7 feet at Soil Boring GMSB-42 and Test Pit T-29. The composition of the waste material in the channel area is essentially the same as the NE Pit, with a total volume of all categories of waste material of 3,000 cy. Based on observations during field activities, the wood tar material comprises less than 20 percent of this volume, and is located closer to the NE Pit end of the channel.

Excavated waste will not be stockpiled, but transferred directly from the channel area excavation into the NE Pit excavation. Transportation of waste will follow the waste management specification included in the design.

2.1.3 Excavated Soil

Excavated soil includes the soil removed from the channel area to access waste material, clean soil placed on the NE Pit after the 1987 to 1988 waste removal action,

and other native soil found within the pit above waste material. These soils are considered clean, but will be sampled and analyzed for verification purposes.

Potentially impacted soil will be placed and stored in a manner that will prevent possible off-site migration of constituents. Soil is to be placed on a relatively impermeable surface. If no paved surfaces are available, the soil will be placed on plastic sheeting. The contractor should not allow direct precipitation or surface run-off or run-on from or onto the stockpiled soil, by covering the soil and providing acceptable diversions.

2.1.4 Excavated Debris Material

A zone of construction debris was encountered during investigation activities in the area between Test Pits TP-18 and TP-26, and consists of rebar in concrete, bricks, wood, concrete pieces, and metal bands. The volume of debris that will be encountered is not known. Excavated debris will be cut/sized for placement under the cover system. Further detail regarding size requirements so as not to compromise liner integrity or stability will be included in the design specifications.

2.1.5 Water From Dewatering Operations

Information from past investigations indicates that perched water may be present at the NE Pit, but is not associated with the groundwater system. Limited water associated with fill material was observed in Test Pits TP-13, TP-16, TP-21, and TP-28. When encountered, and if dewatering is necessary for construction activities to proceed, the water will be collected and sampled to determine its final disposition and will be managed similarly to contact stormwater.

2.1.6 Stormwater-Related Waste Material

Stormwater-related waste will be minimized, to the extent practical, by preventing stormwater contact with the waste material. Any accumulated stormwater contacting waste, termed contact stormwater, will be contained and pumped from the excavation and placed in holding (fractionation) tanks. Holding tank volumes will be determined during the design. Contact stormwater sediment will be allowed to settle in the holding tanks and will be placed under the cover system liner. Contact stormwater that is collected will be treated in the existing biological treatment system or will be discharged directly to the Kingsford/Iron Mountain Publicly Owned Treatment Works

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(POTW). Direct discharge to the POTW would require approval by the Iron Mountain/Kingsford Sewage Board and the associated acceptance sampling results.

2.1.7 Decontamination Water and Solids

Decontamination of small equipment and personnel is expected to be an on-going activity, and will take place in the contaminant reduction zone (CRZ). Large equipment decontamination will take place at a temporarily constructed decontamination pad located in the CRZ. The decontamination pad will be located as close as possible to excavation activities. This pad will be lined with a heavy (40-60 mil) plastic liner, and will be constructed so that rinsate generated during decontamination will drain to a lined sump. Collected water will be managed similar to contact stormwater.

In addition to decontamination liquids, a relatively small volume of decontamination solids will accumulate in decontamination pad sumps. Until such time as the cover system liner is installed, the solids may be placed under the cover system. Following liner placement, the decontamination solids will be sampled to determine if the material contains constituent concentrations above the applicable Michigan Part 201 criteria. If the material has no constituent concentrations above the Michigan Part 201 criteria, it will be placed in the fill below the surface layer. If the material has concentration of compounds above the Michigan Part 201 criteria, the solids will be disposed of offsite at an appropriate facility.

Dedicated excavation and on-site transportation equipment will be used to excavate the waste so as to minimize the generation of decontamination rinse water, and to minimize the potential cross-contamination of soil and other environmental media. Construction equipment, monitoring equipment, non-disposable Personal Protective Equipment (PPE), and other construction materials will be decontaminated when exiting the exclusion zone. The volume of decontamination water generated is dependent upon decisions made by the contractor relative to crew size and work tasks. End of project equipment decontamination water must also be managed prior to final demobilization.

2.1.8 Personal Protective Equipment and Other Construction Related Material

Some disposable PPE and other construction related material will be generated during the project. The amounts and types of the material will be dependent on contractor decisions. This material will be drummed and disposed offsite at an appropriate facility.

2.1.9 Final Demobilization Material

There are several waste streams that will be generated only during the demobilization phase. Final demobilization waste include, but are not limited to: haul road soil, potential stockpile base areas, and decontamination pad material. These materials will be sampled, and if found to contain constituents with concentrations above the Michigan Part 201 criteria they will be drummed and disposed offsite at an appropriate facility. If there are no constituents with concentrations above the applicable Michigan Part 201 criteria, the material may be included in the fill below the surface layer.

3. IRAP Implementation

3.1 Excavation, Backfilling, and Grading

3.1.1 Clearing and Grubbing

Clearing and grubbing will be performed on an incremental basis, only in areas of active construction. Proper sediment controls will be implemented in all disturbed areas, as necessary, and disturbed areas will be restored as soon as possible after construction is complete.

Any spoils encountered during clearing and grubbing activities will be stockpiled at the NE Pit and then consolidated beneath the cover system.

3.1.2 Excavation and Backfilling

Prior to excavation activities, the appropriate stormwater controls must be chosen and utilized as described in Section 3.3 of this document. Proper sediment controls will be implemented in disturbed areas, and disturbed areas will be backfilled and restored as soon as practicable following completion of excavation. Temporary barriers will be constructed around the perimeter of the excavation. The barriers will be maintained during excavation and in the interim period between the completion of excavation and backfilling to prevent surface runoff from entering the excavation. The excavation will not reach the groundwater depth of approximately 40 ft bls.

Stockpile locations will be selected by the construction contractor to facilitate access of construction vehicles to the excavation areas. Construction areas will be graded according to the design plans.

3.1.3 Grading

Construction areas will be graded according to the design plans. Future construction will return the area to graded conditions associated with the designed cover system so that drainage features and surface topography are restored.

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3.2 Verification Soil Sampling

Confirmation soil samples will be collected following channel area waste excavation to ensure adequate excavation according to MDEQ guidelines entitled "Verification of Soil Remediation" (April 1994) and "Statistics Training Material for Part 201 Cleanup Criteria" (May 2001). Soil samples will be analyzed, at a minimum, for the constituents listed on Table E4-1. The analytical results will be compared to applicable Michigan Part 201 criteria.

Soil sampling procedures will be performed according to the ARCADIS Quality Assurance Plan for the Ford/Kingsford Site and will be analyzed through an approved contract laboratory using United States Environmental Protection Agency (U.S. EPA) Analytical Methods. Future excavation work involving waste or waste removal within the cover system will require collection of soil samples according to the MDEQ guidelines.

3.3 Stormwater Management

ARCADIS will adhere to the requirements of the Clean Water Act (CWA) for protection of water quality at the site. Engineering controls will be established to prevent water runoff and run-on during excavation and construction activities. Containment systems will be deployed, as necessary, to prevent soils and sediments associated with excavation from reaching stormwater drainage points at the site. Permanent stormwater management will be a part of the cover system design, when completed. Watershed computations will also be included as part of the cover design. The calculations will follow guidelines presented in the MDEQ Land and Water Management Division Construction Stormwater, Sediment, and Erosion Control Practices.

3.3.1 Construction Stormwater, Sediment, and Erosion Control Practices

Part 91 of Act 451 of 1994 requires a Soil and Sedimentation Control Permit prior to construction. Functional sediment and erosion controls must be constructed before commencing land disturbance activities. Suggested erosion and sediment control practices include (but are not limited to):

- Sediment and erosion controls.
- Stormwater management.

Page 33 of 188

VMJ Date 01/26/2012

GL 744/33
Time 09:42:19

- Sediment traps.
- Sediment ponds/retention ponds.

The sediment and erosion controls may consist of the following:

- Silt fencing.
- Sediment ponds, basins, and dams.
- Diversion ditches.
- Check dams.
- Temporary construction entrances.

These controls are designed to prevent erosion of soils and to protect stormwater quality during construction activities. Controls are also in place to trap eroded material before it enters the proposed storm drainage system, and trap sediment before it leaves the site. Any controls will be maintained in good condition and inspected periodically after the beginning of a storm event. Each control is discussed in greater detail in the following subsections. Use of these controls at the site will be determined based on site conditions.

3.3.2 Silt Fencing

Silt fences are used for sediment and erosion control during construction, wherever runoff is expected in the form of sheet flow. Specifically, silt fences could be installed around soil stockpiles, along the downslope perimeter of utility trenches, and along the downslope perimeters of construction areas. Silt fences decrease flow velocity and trap sediments where sheet flow conditions exist or where flow is through tiny rills that can be converted to sheet flow. Silt fences would not be used where flow is channelized. The silt fence would be erected on relatively level ground a minimum distance of five feet from the toe of a slope. The bottom of the silt fences should be buried in the ground a minimum of 6 inches to prevent runoff from passing beneath the fence. Individual panels would be overlapped, and the ends of the silt fences would bend upslope to prevent water from flowing around the fence.

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3.3.3 Diversion Ditches

Diversion ditches are used to carry sediment-laden run-off into a control structure or to carry clean run-off away from disturbed areas. The ditches provide permanent run-off control at the site. They are to be constructed on grade and act to intercept and transport channelized flows. Rip-rap check dams constructed along the lengths of the ditches on a regular spacing decrease flow velocity and facilitate settling-out of sediments by dissipating energy. Ditches that are to remain in place for longer than 30 days would be seeded and mulched. Sediment traps would collect stormwater run-off from the diversion ditches for removal of soil particles prior to on-site discharge. If the sediment is representative of the waste material, the sediment would be containerized for proper disposal as described in Section 3.4.

3.3.4 Check Dams

Check dams are constructed in diversion ditches to decrease flow velocity and facilitate settling of sediments by dissipating energy. The check dams provide run-off control during construction by causing sediment to settle within the diversion ditches and by minimizing the amount of erosion by water flowing through the ditches. This minimizes the quantity of sediment being delivered to the sediment ponds. Temporary rock check dams may also be constructed in outlet channels to trap sediment that may enter the storm drainage system. A typical check dam is approximately two feet high and two feet wide at the top. The upslope rip-rap face of the check dams would be covered with 6-inches of washed stone.

3.3.5 Temporary Construction Entrances

Temporary construction entrances will consist of gravel pads constructed of coarse aggregate (2- to 3-inch stone). The pads will be constructed in areas found to have relatively dry, firm soil to minimize the amount of soil or mud that adheres to the truck tires and undercarriages. In this way, the construction entrances will provide temporary soil stabilization during construction. Geotextile fabric will be placed over the subgrade beneath the pads in wet areas. Truck and heavy equipment traffic will be routed over the pads, minimizing the tracking of soils around and off the site. Trucks will be decontaminated by steam cleaning prior to exiting the site if in contact with waste material as described in the site-specific CHASP Section 2.4.2 and summarized below.

Heavy equipment used in contaminated areas will be decontaminated prior to moving to a clean location and before leaving the site. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris. Where possible, contaminated soil deposits will be removed and containerized (or placed below the soil cover).
- After removal of gross debris, the equipment will be steam cleaned using a high-pressure washer (i.e., Hotsy).
- After steam cleaning, the equipment will be allowed to dry and will be reinspected. Any remaining visible debris will be re-cleaned through additional pressure washing.

After debris is removed according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the closeout of the exclusion zone activities or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment will be inspected prior to release from the facility and inspection results will be documented in field logbooks. Decontamination wash water will be collected and sent to either the on-site water treatment system or an offsite permitted treatment/disposal system.

3.4 Waste Material Containerization, Storage, Tracking, and Reporting

Waste material containerization, storage, tracking and reporting are designated as a contractor responsibility. The inventory of waste material must be appropriately tracked and should be readily available for inspection. The following sections describe waste management containerization, labeling, tracking, and reporting procedures for waste material.

3.4.1 Containerization

Containerization would be required for several of the waste material types should they be found to have constituents with concentrations above the Michigan Part 201 criteria and cannot be placed under the cover system liner due to installation completion. These waste material types are: impacted sediment from contact stormwater, impacted sediment from dewatering operations, sediment from decontamination water, PPE and materials, and impacted final demobilization materials.

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Containers used to hold these identified waste materials will be constructed of, or lined with, material that will not react with and are otherwise incompatible with the impacted waste material to be transferred for off-site disposal. Waste material will not be placed in an unwashed container that previously held an incompatible waste or material.

Disposable sampling equipment and PPE will be collected in plastic bags and containerized at the end of each working day. At the end of construction activities, the material used to line the temporary decontamination pad will be removed and containerized for offsite transport and disposal. All of these materials will be held in an established accumulation area prior to disposal at the appropriate facility.

Proper marking and labeling will be applied to each container by the contractor. At the time the waste material is placed in the container, the appropriate waste material labeling and marking as provided by regulations will include:

- Accumulation start date clearly marked on "Non-Hazardous Material" label.
- A description of the composition and physical state.
- Warning word such as flammable, corrosive, or reactive, as applicable.
- Source of the waste material.
- Non-Hazardous Material Manifest Number (placed on container prior to shipment).
- DOT shipping description.
- DOT marking and labeling.
- Emergency contact and phone number.

3.4.2 Storage

The storage of waste material will be in compliance with the regulations and consistent with the waste material determination described in Section 2.0. All material will be accumulated only in containers or tanks in designated areas.

3.4.3 Reporting

If a shipment of material is sent off-site, a Non-Hazardous Waste Manifest or appropriate State manifest will be prepared and will accompany the shipment to the appropriate commercial facility. The contractor will create a manifest record that includes the original manifest with the commercial facility representative's signature.

3.5 Decontamination and Site Demobilization

3.5.1 Heavy Equipment

Heavy equipment used in contaminated areas will be decontaminated at the decontamination pad prior to moving to a clean location and before leaving the site. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris. Where possible, soil deposits will be removed and containerized (or placed below the soil cover).
- After removal of gross debris, the equipment will be steam cleaned.
- After all debris is removed according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the close-out of the exclusion zone activities or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment wash rinsate will be managed as stated in Section 2.0.

3.5.2 Haul Roads

When the haul road is no longer necessary, the haul road material, and any stained soil on or below the haul road, will be removed and sampled. If there are no constituent concentrations above the applicable Michigan Part 201 criteria, the material or soil may be placed under the cover system liner, if it has not yet been completed. Otherwise, the material or soil will be containerized and disposed of offsite at an appropriate facility.

3.5.3 Stockpile Base Areas

Temporary stockpile pads will be removed at the end of the project. The soil beneath and around the stockpile pads will be sampled after completion of the project. The soil

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will be sampled for target constituents as specified in the Sampling and Analysis Plan (SAP). Soil beneath the stockpile areas with constituent concentrations above applicable Michigan Part 201 criteria will be placed under the cover (if not yet complete) or disposed offsite.

4. Future Work

Construction activities within the NE Pit that will penetrate the cover system will follow this WMP and the CHASP that was developed for the workers involved with construction activities, where there is the possibility of dermal contact with impacted soil/waste material beneath the cover system. Soil/waste material that is excavated during future construction activities will be managed in accordance with this WMP. After future construction activities are complete, portions of the cover system that was disturbed will need to be restored to pre-construction condition. The disturbed area will be checked for settlement after construction activities. If settling has occurred, the cover system will be inspected for compliance with the specifications for the cover system. If the cover system does not meet the specifications, it will be re-constructed so that it does.

Maintenance activities, that involve penetrating the cover system, will also be conducted in accordance with the site WMP and the CHASP. Any portion of the cover system, that is disturbed, will be re-covered with fill and topsoil, and then seeded and watered to establish vegetative growth or graveled and/or paved as appropriate. If at any time, impacted soil or waste material is generated from onsite activities, the WMP will be activated.

4.1 Excavation, Backfilling, and Grading

4.1.1 Clearing and Grubbing

Clearing and grubbing will be performed on an incremental basis, only in areas of active construction. Proper sediment controls will be implemented in all disturbed areas, as necessary, and disturbed areas will be restored as soon as possible after construction is complete. Any surface vegetation encountered during clearing and grubbing activities that occur after cover system construction will be managed as clean material, as it does not have contact with waste material.

4.1.2 Excavation and Backfilling

Prior to excavation activities the appropriate stormwater controls must be chosen and utilized as described in Sections 3.3 of this document. Proper sediment controls will be implemented in disturbed areas, and disturbed areas will be backfilled and restored as

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soon as practicable following completion of excavation. Temporary barriers will be constructed around the perimeter of the excavation. The barriers will be maintained during excavation and in the interim period between the completion of an excavation and backfilling to prevent surface runoff from entering the excavation. Excavated material from under the constructed cover system, (i.e., 30-inches below land surface), will be managed as in Section 3.1.

Future construction will return the area to graded conditions associated with the designed cover system so that drainage features and surface topography are restored.

4.2 Solid Waste Material

This section describes the method that will be used to manage solid waste material generated from future activities that penetrate the cover system. The CHASP describes establishment of work zones, a decontamination area, and recommended work practices should construction activities involve waste material. Proper personnel, equipment, and material control and management are essential to minimize cross-contamination and protect human health and the environment.

4.2.1 Waste Material

Waste material previously encountered within the NE Pit include wood, charred wood, coal, wood tar, wood sludge, and demolition debris. If these objects are found during excavation activities, they will be transported to an appropriate off-site disposal facility. Should future construction within the NE Pit require waste removal, confirmation sampling will be necessary, as referenced in Section 3.2.

4.3 Stormwater Management

Construction at the site is to be conducted according to the requirements of the CWA for protection of water quality at the site. Engineering controls will be established to prevent water runoff and run on during excavation and construction activities. Containment systems will be deployed as necessary to prevent soil and sediment associated with excavation from reaching stormwater drainage points at the site.

4.4 Construction Stormwater, Sediment, and Erosion Control Practices

Part 91 of Act 451 of 1994 requires a Soil and Sedimentation Control Permit prior to construction. Functional sediment and erosion controls must be constructed before

commencing land disturbance activities. Within individual construction areas, controls will be constructed as soon as practicable after first disturbance of soils. Suggested erosion and sediment control practices include (but are not limited to):

- Sediment and erosion controls.
- Stormwater management.
- Sediment traps.

The sediment and erosion controls may consist of the following:

- Silt fence.
- Diversion ditches.
- Check dams.
- Temporary construction entrances.

These controls are designed to prevent erosion of soils during construction activities and to protect stormwater quality after construction is complete. Controls are also in place to trap eroded material before it enters the proposed storm drainage system, and trap sediment before it leaves the site. Any controls will be maintained in good condition and inspected periodically after beginning of a storm event. Each control is discussed in greater detail in the following subsections.

4.4.1 Silt Fences

Silt fences are used for sediment and erosion control during construction wherever runoff is expected in the form of sheet flow. Specifically, silt fences could be installed around soil stockpiles, along the downslope perimeter of utility trenches, and along the downslope perimeters of construction areas. Silt fences decrease flow velocity and trap sediments where sheet flow conditions exist or where flow is through tiny rills that can be converted to sheet flow. Silt fences would not be used where flow is channelized. The silt fence would be erected on relatively level ground a minimum distance of five feet from the toe of a slope. The bottom of the silt fences should be buried in the ground a minimum of 6 inches to prevent runoff from passing beneath the fence.

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Individual panels would be overlapped, and the ends of the silt fences would bend upslope to prevent water from flowing around the fence.

4.4.2 Diversion Ditches

Diversion ditches are used to carry sediment-laden runoff into a control structure or to carry clean runoff away from disturbed areas. The ditches provide permanent runoff control at the site. They are to be constructed on grade and act to intercept and transport channelized flows. Riprap check dams constructed along the lengths of the ditches on a regular spacing decrease flow velocity and facilitate settling-out of sediments by dissipating energy. Ditches that are to remain in place for longer than 30 days will be seeded and mulched. Sediment traps collect stormwater runoff from the diversion ditches for removal of soil particles prior to onsite discharge.

4.4.3 Check Dams

Check dams are constructed in diversion ditches to decrease flow velocity and facilitate settling-out of sediments by dissipating energy. The check dams provide runoff control during construction by causing sediment to settle out within the diversion ditches and by minimizing the amount of erosion by water flowing through the ditches. This minimizes the quantity of sediment being delivered to the sediment ponds. Temporary rock check dams may also be constructed in outlet channels to trap sediment that may enter the storm drainage system. A typical check dam is approximately 2 feet high and 2 feet wide at the top. The upslope riprap face of the check dams will be covered with 6 inches of washed stone.

4.4.4 Temporary Construction Entrances

Temporary construction entrances will consist of gravel pads constructed of coarse aggregate (2- to 3-inch stone). The pads will be constructed in areas found to have relatively dry, firm soil to minimize the amount of soil or mud that adheres to the truck tires and undercarriages. In this way, the construction entrances will provide temporary soil stabilization during construction. Geotextile fabric will be placed over the subgrade beneath the pads in wet areas. Truck and heavy equipment traffic will be routed over the pads, minimizing the tracking of soils around and off the site. Trucks will be decontaminated by steam cleaning prior to exiting the site if in contact with waste material as described in the site-specific CHASP Section 2.4.2 and summarized below. The CHASP also describes establishment of work zones and a decontamination area should waste be encountered.

Heavy equipment used in contaminated areas will be decontaminated prior to moving to a clean location and before leaving the site. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris. Where possible, contaminated soil deposits will be removed and containerized (or placed below the soil cover).
- After removal of gross debris, the equipment will be steam cleaned using a high-pressure washer (i.e., Hotsy).
- After steam cleaning, the equipment will be allowed to dry and will be reinspected. Any remaining visible debris will be re-cleaned through additional pressure washing.

After debris is removed according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the closeout of the exclusion zone activities or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment will be inspected prior to release from the facility and inspection results will be documented in field logbooks. Decontamination wash water will be collected and sent to either the on-site water treatment system or an off-site permitted treatment/disposal system.

5. Employee Training

The employee training program will inform project personnel of the components and objectives of the WMP, and the measures that will be implemented to ensure that these objectives are attained. Training will address each component of the WMP, and will inform personnel as to why and how control practices are to be implemented. Topics will include, at a minimum, the following:

- Spill prevention and response.
- Good housekeeping practices.
- Equipment operations training.
- Material management practices.
- Inspection and maintenance of sediment and erosion control practices.

Certain employees will receive initial training at the start of construction and refresher training thereafter, as necessary. Hazardous material training is discussed in the CHASP for the site, and is pertinent for personnel to be working with waste material.

6. Emergency Response

The CHASP generated for the NE Pit IRAP implementation contains a detailed emergency response procedure in Section 10.0, and is applicable to this WMP for both IRAP implementation and for future work. A list of emergency contacts and phone numbers is attached as Table E7-1, and a map showing the route from the site to Dickinson County Memorial Hospital is included as Figure E7-1. This emergency information is also included in the NE Pit IRAP CHASP.

Should a spill or leak of a hazardous substance occur, the following procedures will be followed:

- Contact the National Response Center immediately at (800) 424-8802.
- Contact the Michigan Department of Environmental Quality/Regional EPA Office within 24 hours of discovery at (906) 875-6622.
- Contact the Breitung Fire Department immediately at (906) 774-7505.
- Contact the State Fire Marshall immediately at (517) 336-6604.
- For a release that goes beyond the boundary of the property, immediately contact the local emergency planning committee (LEPC) for the area affected (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). Submit a written report as soon as practicable after release to the state emergency response commission (SERC), in care of the MDEQ, Environmental Assistance Division, and to the LEPC.
- For an unpermitted release over a 24-hour period of a hazardous substance, contact the MDEQ, Environmental Response Division district office (or pollution emergency alerting system (PEAS) after hours) within 24 hours of discovery. From within Michigan, call 800-292-4706; from outside Michigan, call 517-373-7660.
- For an incident involving transportation of hazardous materials that results in fire, death, injury, property damage, evacuation, highway closure or flight pattern

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alteration, contact the U.S. Department of Transportation (DOT) at 800-424-8802. Submit written report to DOT within 30 days of discovery.

- For a release that results in one death or the hospitalization of three or more persons, contact the Michigan Occupational Safety and Health Act Hotline at 800-858-0397 within eight hours of the incident.
- For unpermitted release to the public sewer system, surface water or groundwater from an oil storage facility or on-land facility of a polluting material, contact PEAS as soon as practicable after detection (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). Submit written report within 10 days after release to the MDEQ, Waste Management Division chief.

For situations that involve materials other than fuel:

Where any amount of characteristic hazardous or listed hazardous waste (as defined in R 299.9203 "Hazardous Waste Rule 203"), has reached the surface water or groundwater,

or

A fire, explosion, or other release of hazardous waste or hazardous waste constituents occurs that could threaten human health or the environment.

or

A release of >1lb (or ≤1lb if not immediately cleaned up) hazardous waste to the environment from a tank system or associated secondary containment system.

- Immediately contact PEAS within 24 hours of discovery (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). If threat to human health or environment, call the National Response Center (800-424-8802). Written report may be required.
- If liquid industrial waste spill could threaten public health, safety, welfare or the environment, or has reached surface water or groundwater, immediately call PEAS (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). Submit written report within 30 days of incident to MDEQ, Waste Management Division district supervisor.

For situations that involve PCBs:

- Where there is a spill of PCBs, contact the U.S. EPA Region V Toxic Program Section at 312-886-6003 as soon as possible after discovery, and within 24 hours.

In the event of a release, this WMP will be amended within 14 calendar days of the event to minimize the chance of event reoccurrence.

6.1 Spill Prevention

To prevent or minimize the potential for stormwater and groundwater contamination at fueling areas, the following general practices for all near-term and future construction will be implemented:

- Leaks and spills will be contained and cleaned-up as soon as possible using dry absorbent materials, and leaking equipment will be removed from the site and repaired or replaced.
- Fuel drums, tanks, and containers will be stored in a bermed area or in overpack containers, spill pallets, or similar containment devices with a capacity of 110 percent of the volume of stored fuel.

7. Implementation

Implementation of this WMP during construction will be the responsibility of the Waste Management Team, as provided by the construction Contractor. Waste Management Team members will be properly trained as discussed in Section 5.0 of this document. A list of objectives and implementation procedures will be developed for each construction task, along with a preliminary task completion schedule. The Waste Management Team will also be responsible for ensuring stormwater and sediment and erosion control practices are in place at the appropriate time.

8. WMP Approvals

By their signature, the undersigned certify that this WMP is approved and will be utilized for operations to be conducted under this plan.

Contractor Project Manager

Date

Contractor Waste Management
Team Leader

Date

ARCADIS Project Manager

Date

Tables

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Table E4-1. Verification Soil Sampling Analytical Parameters, Former NE Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Parameter	Parameter
VOC	Metals
1,1,2,2-Tetrachloroethane	Aluminum
1,2,4-Trimethylbenzene	Antimony
1,3,5-Trimethylbenzene	Cobalt
2-Hexanone	Iron
Acetone	Manganese
Benzene	Molybdenum
Ethylbenzene	Selenium
Methylene chloride	Sodium
n-Butylbenzene	
n-Propylbenzene	Alcohols
Naphthalene	Methanol
sec-Butylbenzene	n-Butanol
Styrene	
Toluene	Aldehydes
Trichloroethene	Acetaldehyde
Xylene, o	
Xylenes (total)	Pesticides/PCBs
Xylenes, m+p	BHC (Lindane) (gamma)
SVOC	Acetic Acid
2,4-Dimethylphenol	
2-Methylnaphthalene	
2-Methylphenol	
2-Nitrophenol	
3-Methylphenol/4-Methylphenol(m& p-cresol)	
4-Methylphenol	
Diethylphthalate	
Naphthalene	
Phenol	

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Table E7-1. Emergency Telephone Numbers and Directions to Dickinson County Memorial Hospital, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

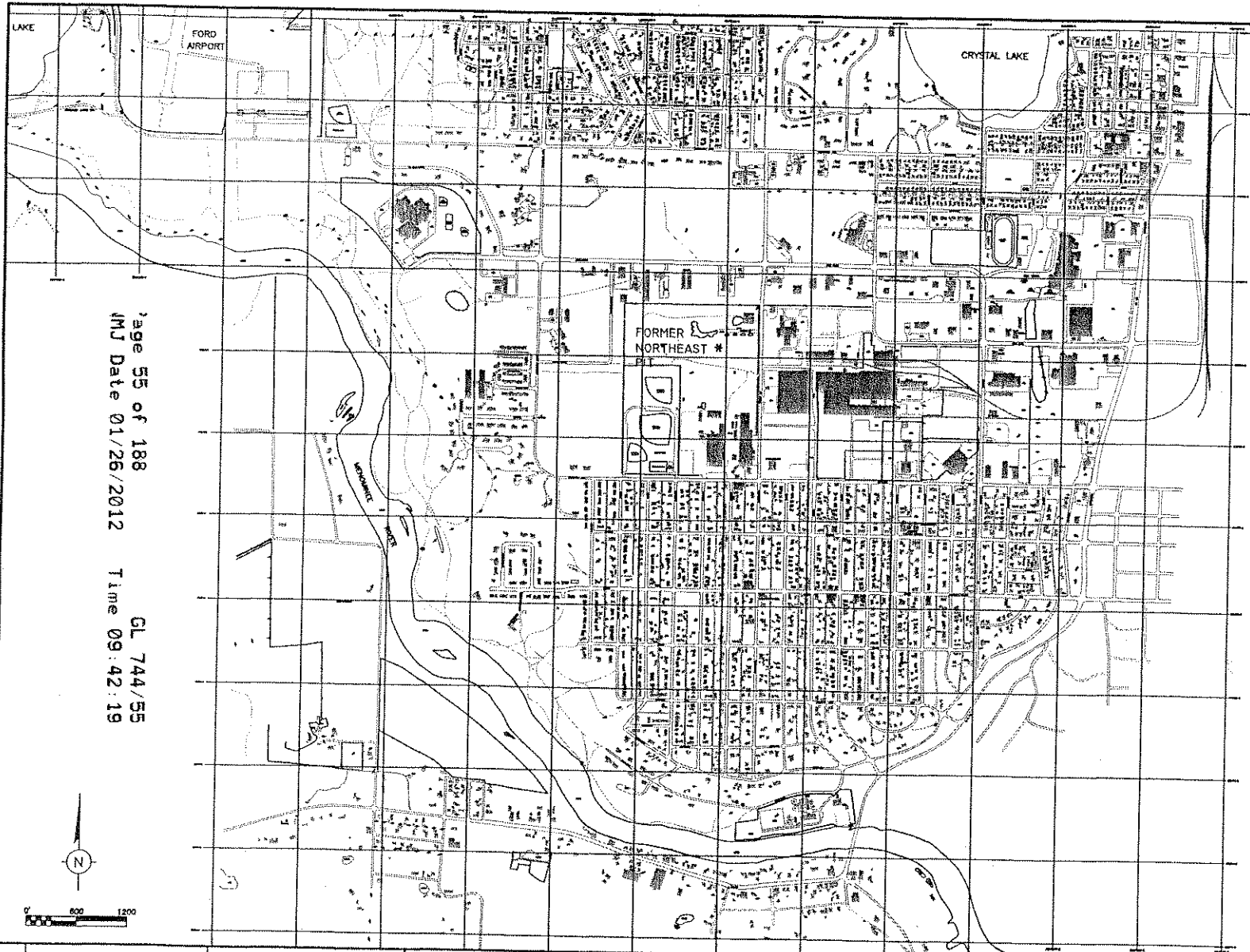
Area Code	906
Police Emergency	911
Police Non-Emergency	774-2525
Fire Emergency	911
Fire Non-Emergency	774-1265
Ambulance	911
Beacon Ambulance Service	779-5050
Rescue Squad	911
Dickinson County Sheriff	774-6262
Hospital Emergency	779-4555
Hospital Non-Emergency	774-1313
Poison Control Center	1 (800) 562-9781
Toxic Substances Center for Disease Control (CDC)	1 (404) 452-4100
CDC Hotline	1 (202) 554-1404 1 (404) 329-2888
Contractor Project Manager	Insert Contact Numbers
ARCADIS Project Manager	Ric Studebaker (414) 276-7742
ARCADIS Corporate Health & Safety Manager	Sam Moyers, (423) 481-3000
Contractor Corporate Health & Safety	Insert Contact Numbers
Miss Dig	1 (800) 482-7171

Dickinson County Memorial Hospital - South US Highway 2, Iron Mountain, Michigan.

Directions to Hospital:

East on Breitung Avenue to Hydraulic Falls Road. North (left) on Hydraulic Falls Road to US Highway 2 (Stephenson Avenue). South (right) on US Highway 2 for approximately 1 mile to Dickinson Memorial Hospital.

Figures



- NOTES
1. HORIZONTAL DATUM BASED ON MICHIGAN STATE COORDINATE SYSTEM.
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AIRNAS AERIAL SURVEY CORPORATION # 2899
 2. ACCURACIES NOT GUARANTEED IN OBLISCURED OR SHOWN BY DASHED CONTOURS AND UNDERLINE ELEVATIONS

Page 55 of 188
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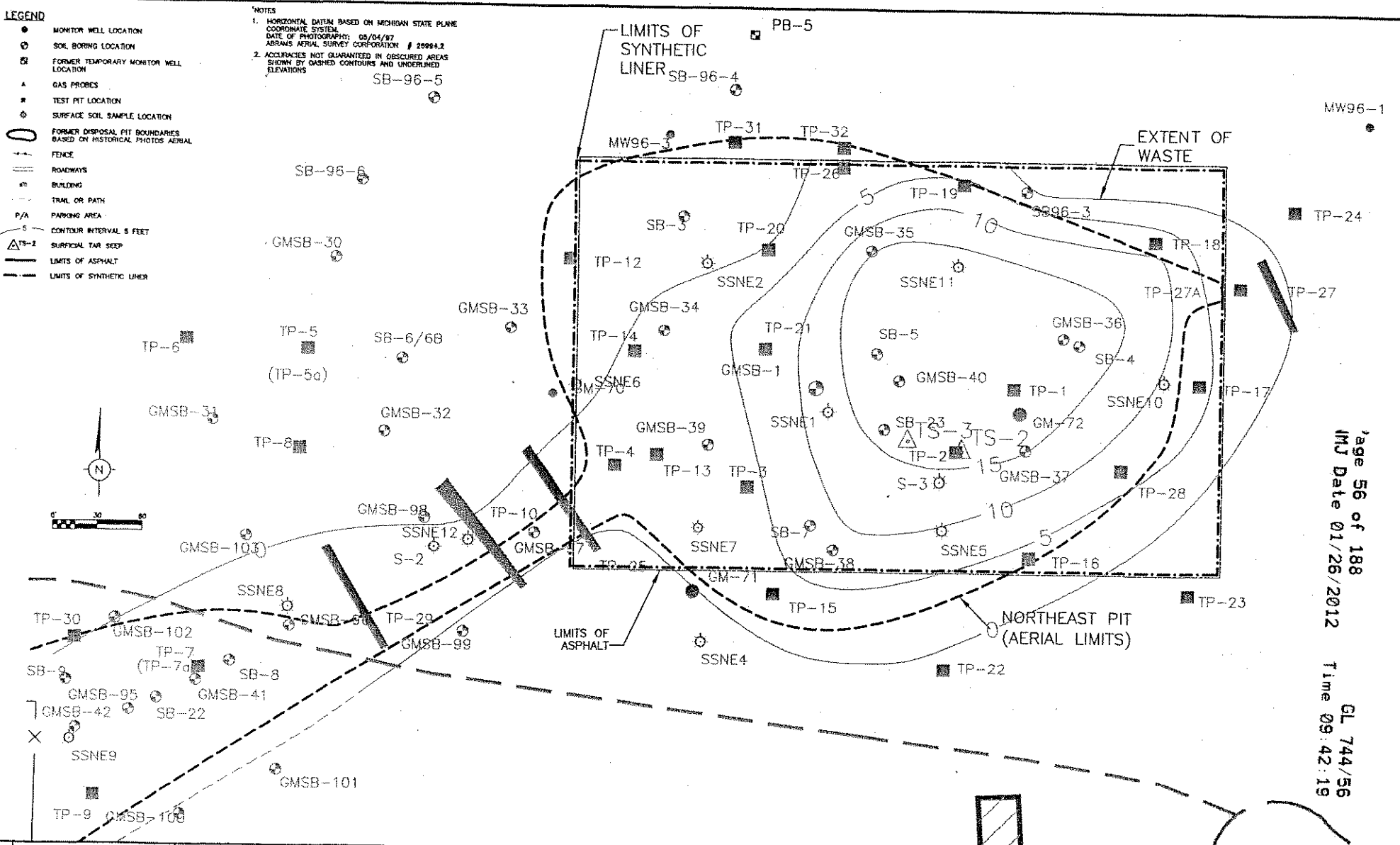
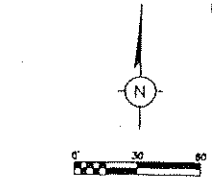
 <p>ARCADIS 1901 Northgate Boulevard, Suite 120 Lansing, Michigan 48906 Tel: 517/461-1921 Fax: 517/461-2249</p>				<p>FORMER NORTHEAST PIT IRAP FORD/KINGSFORD SITE KINGSFORD, MICHIGAN</p>		<p>DRAWN JAG</p> <p>DATE 06/27/02</p>		<p>PROJECT MANAGER EC</p> <p>LEAD DESIGN PROF. BC</p> <p>PROJECT NUMBER W00975.0012</p>		<p>DEPARTMENT MAN BC</p> <p>CHECKED BC</p> <p>FIGURE E2-1</p>	
NO.	DATE	REVISION DESCRIPTION	BY								
			CKL								

LEGEND

- MONITOR WELL LOCATION
- ⊙ SOIL BORING LOCATION
- ⊠ FORMER TEMPORARY MONITOR WELL LOCATION
- ▲ GAS PROBES
- ⊙ TEST PIT LOCATION
- ⊙ SURFACE SOIL SAMPLE LOCATION
- FORMER DISPOSAL PIT BOUNDARIES BASED ON HISTORICAL PHOTOS AERIAL
- FENCE
- ROADWAYS
- ▭ BUILDING
- TRAIL OR PATH
- P/A PARKING AREA
- CONTOUR INTERVAL 5 FEET
- △ TS-2 SURFICIAL TAIL SEEP
- LIMITS OF ASPHALT
- - - LIMITS OF SYNTHETIC LINER

NOTES
 1. HORIZONTAL DATUM BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM.
 DATE OF PHOTOGRAPHY: 05/04/87
 AERIAL SURVEY CORPORATION / 20094.2
 2. ACCURACIES NOT GUARANTEED IN OBSCURED AREAS SHOWN BY DASHED CONTOURS AND UNDERLINED ELEVATIONS

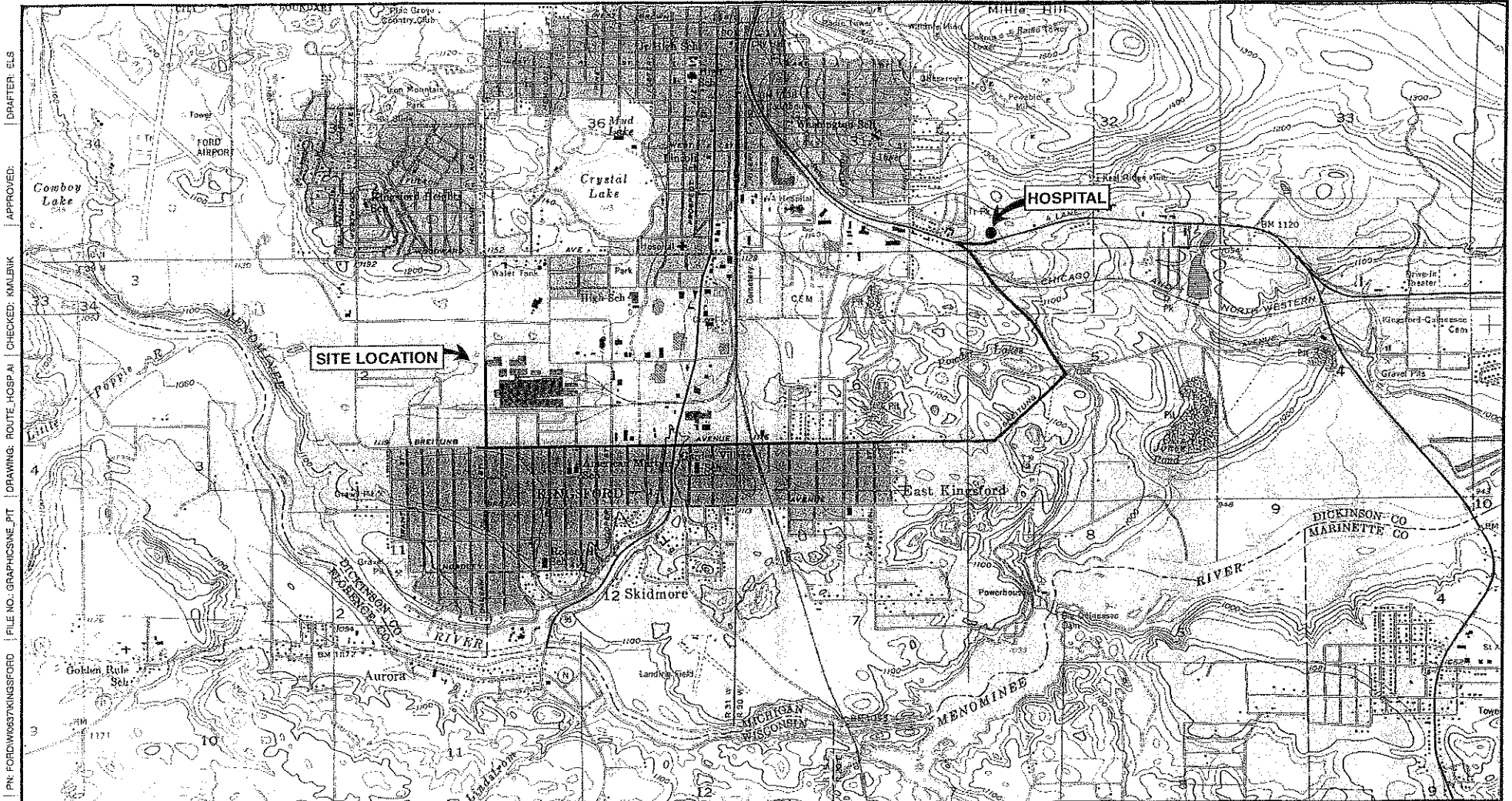
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Page 56 of 188
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copyright © 2002 Arcadis U.S. Inc.	NO. DATE REVISION DESCRIPTION BY Ckt	ARCADIS 3001 Northridge Boulevard, Suite 120 Tampa, Florida 33624 Tel: 813/961-1821 Fax: 813/961-2999		FORMER NORTHEAST PIT IRAP FORD/KINGSFORD SITE KINGSFORD, MICHIGAN	DRAWN JAC	DATE 09/17/02	PROJECT MANAGER EC	DEPARTMENT MAN EC
					CONCEPTUAL FOOTPRINT OF A COVER SYSTEM		LEAD DESIGN PROJ. EC	CHECKED EC

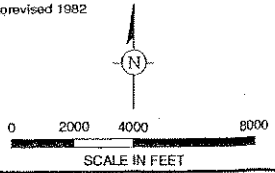


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PRN: FORDW0827KINGSFORD | FILE NO.: GRAPHICS\NE_PIT | DRAWING: ROUTE_HOSP_A1 | CHECKED: KALENIK | APPROVED: | DRAFTER: ELS

SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICH.-WIS. Quadrange, 1955, Photorevised 1982

Route to Hospital: Balsam Street south to Breitung Avenue. East on Breitung Avenue to Hydraulic Falls Road. North on Hydraulic Falls Road to U.S. Highway 2 (Stephenson Avenue). South on U.S. Highway 2 to Dickinson County Memorial Hospital.

Hospital Address: 1721 Stephenson Avenue, Iron Mountain, Michigan.



	ROUTE TO HOSPITAL	FIGURE
	FORMER NORTHEAST PIT IRAP FORD/KINGSFORD SITE KINGSFORD, MICHIGAN	E7-1

EXHIBIT E

HEALTH AND SAFETY PLAN GUIDELINE FOR THE PROPERTY

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Appendix F

Construction Health and Safety
Plan Guideline

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Page 60 of 188
MJ Date 01/26/2012

GL 744/60
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**Appendix F
Construction Health and
Safety Plan Guideline**

Former Northeast Pit Interim
Response Action Plan,
Ford/Kingsford Site, Kingsford,
Michigan

PREPARED FOR

Ford Motor Company
The Kingsford Products Company

1. Introduction	1
2. Contractor Organization and Responsibilities	3
2.1 Organizational Structure	3
2.2 Record Keeping Requirements	4
2.3 Training	5
2.4 Health and Safety Meeting	7
2.5 Health Monitoring and Surveillance	7
3. Background	10
3.1 Site Description	10
3.2 Site History	10
3.3 Waste Material	11
3.3.1 Methane Gas	11
4. Chemical Constituent Descriptions	12
5. Potential Exposure Pathways and Hazard Evaluation	19
5.1 Chemical Hazards	19
5.2 Physical Hazards	19
5.2.1 Flammability and Explosivity of Vapors	20
5.2.2 Construction Explosive Hazards	20
5.2.3 Noise Exposure	20
5.2.4 Heat/Cold Stress	20
5.2.5 Lacerations and Contusions (Cuts and Bruises)	21
5.2.6 Insect and Wildlife Hazards	21
5.2.7 Lifting Hazards	21
5.2.8 Packaging and Shipping Hazards	21
5.3 Field Activities/Physical Hazards	21

5.3.1	Hazard Analysis: Excavation	22
5.3.2	Hazard Analysis: Restoring the Protective Cover	22
5.3.3	Hazard Analysis: Collecting Soil Samples for Laboratory Analysis	23
5.3.4	Hazard Analysis: Geotechnical Sampling as Required During Construction	24
6.	Personnel Protection Program	25
6.1	Level D Protection	25
6.2	Level D Modified Protection	26
6.3	Level C Protection	26
6.4	Level B Protection	28
6.5	Decontamination Procedures	29
6.5.1	Level D Decontamination Procedures	29
6.5.2	Level C Decontamination Procedures	29
6.6	Heat Stress Control and Monitoring	31
6.7	Cold Stress Control and Monitoring	32
7.	Air Monitoring	34
7.1	Air Monitoring	34
7.2	Perimeter Monitoring	34
7.3	Organic Vapor Monitoring	35
7.4	Combustible Gas/Oxygen Monitoring	36
8.	Site Control	37
8.1	Site Preparation	37
8.2	Work Zones	38
8.2.1	Exclusion Zone	38
8.2.2	Contaminant Reduction Zone	38
8.2.3	Support Zone	39

8.3	General Work Rules	39
8.3.1	Overhead Utilities	40
8.3.2	Inclement Weather	40
8.3.3	Manual Lifting	41
8.3.4	Portable Ladders	41
8.3.5	Heavy Equipment Safety	42
8.3.6	Driver Safety	43
8.3.7	Power and Hand Tools	43
8.3.8	Hand Protection	43
8.3.9	Lockout/Tagout	43
8.3.10	Traffic Control	44
8.3.11	Material Storage	44
8.3.12	Fire Prevention	44
8.3.13	Inspections	44
8.4	Site Security	44
8.5	Site Visitors	45
8.6	Disposal of Material	46
9.	Engineering Controls	47
10.	Emergency Procedures	48
10.1	Emergency Phone Numbers and Hospital Location	48
10.2	Personnel Injury in the Exclusion Zone	48
10.3	Personnel Injury in the Support Zone	48
10.4	Fire/Explosion Emergency Procedures	49
10.4.1	Emergency Procedures	49
10.4.2	Emergency Medical Care	50

Page 63 of 188
 MJ Date 01/26/2012

GL 744/63
 Time 09:42:19

Tables

- F4-1 Chemical Constituents of Potential Concern and Health and Safety Information, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F6-1 Signs and Symptoms of Chemical Exposure and Heat Stress that Indicate Potential Medical Emergencies, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F7-1 Action Levels, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F10-1 Emergency Phone Numbers and Directions to Dickinson County Memorial Hospital, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Figures

- F2-1 Project Health and Safety Organization and Reporting, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F2-2 Sample Health and Safety Meeting Former, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F2-3 Sample Field Team Review Sheet, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F2-4 Sample Visitor Review of Site Health and Safety Plan, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F2-5 Sample Emergency Medical Data Sheet, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F2-6 Sample Emergency Report Form, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F2-7 Construction Health and Safety Plan Approvals, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F3-1 Site Location Map, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F3-2 Former Northeast Pit Area Map, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F6-1 Minimum Decontamination Layout, Level D Protection, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F6-2 Minimum Decontamination Layout, Level C and Level B Protection, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

F10-1 Route to Hospital, Former Northeast Pit IRAP, Ford/Kingsford Site,
Kingsford, Michigan.

1. Introduction

This Construction Health and Safety Plan Guideline (CHASP) has been prepared for use in conjunction with an Interim Response Action Plan (IRAP) for the former Northeast Pit Area (NE Pit) at the Ford/Kingsford Site in Kingsford, Michigan. This document presents requirements that must be incorporated into a contractor generated Construction Health & Safety Plan (Contractor CHASP) when conducting construction activities that could potentially disturb the cover system and expose personnel to waste material present below the cover. The Contractor will generate the Contractor CHASP as part of their work for the identified site conditions, scope of work, and necessary personnel in accordance with the guidelines presented here. The contractors may include additional content consistent with their own corporate health and safety guidelines or procedures. The responsibility for the development, implementation, and enforcement of the Contractor CHASP lies solely with the contractor, not Ford Motor Company (Ford) or The Kingsford Products Company (KPC).

The elements of the CHASP are based upon the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (October 1985) and the Michigan Occupational Safety and Health Act and its Rules. These guidelines have been supplemented by information obtained during site investigation activities. All reasonable precautions will be taken by the selected Contractor and its subcontractors to protect the safety and health of workers and the general public. All work will be performed in accordance with applicable federal, state, and local regulations.

The objective of this CHASP is to structure and maintain safe working conditions at the site and to develop a plan of action in the case of a site emergency during field activities. The safety organization and procedures have been established based on an analysis of potential hazards, and personnel protection measures have been selected in response to these potential hazards.

Elements of this CHASP address the following:

- Project Organization
- Site History and Project Description
- Training
- Potential Hazards of Site Contaminants

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**Appendix F
Constuction Health
and Safety Plan
Guideline**

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

- Activity Hazard Analysis
- Safety Considerations for Site Operations
- Protective Equipment
- Monitoring Requirements
- Site Control Zones and Communication
- Medical Surveillance
- Decontamination and Waste Disposal
- Emergency Response Plan

2. Contractor Organization and Responsibilities

The Contractor will be responsible for its employees and their adherence to the Contractor CHASP during construction activities that have the potential to disturb the cover system and expose personnel to the waste material below the cover system. The Contractor CHASP will adhere to the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (October 1985 and March 1989) prepared by the National Institute for Occupational Safety and Health (NIOSH), Occupational Safety and Health Administration (OSHA), US Coast Guard (USCG), and US Environmental Protection Agency (U.S.EPA). The Contractor CHASP will also adhere to Michigan Occupational Safety and Health Act and its Rules. Trained staff will supervise the work in accordance with the health and safety requirements described herein, the current edition of the Michigan regulations for hazardous waste operations, and all applicable federal, state, and local health and safety regulations.

2.1 Organizational Structure

Proper planning and careful Contractor CHASP implementation is essential to carrying out the proposed construction activities at the site. An organizational structure detailing personnel requirements and responsibilities is presented in this section. The organizational structure defines the chain of command and identifies the person responsible for directing activities related to the project. Necessary personnel for project implementation will be identified as well as their general functions and responsibilities. This structure also identifies lines of authority, responsibility, and communication among the project team and indicates the person(s) responsible for communicating with the emergency response community. A typical organization chart is shown on Figure F2-1.

An overall project manager (PM) and a project superintendent (PS) and Site Safety Officer (SSO) will be called out by the Contractor in the CHASP, and an alternate project manager and project superintendent will be identified. Their responsibilities include:

- Having the authority to direct all activities.
- Ensuring the implementation of the Contractor CHASP and effective loss control principles.
- Ensuring that safe work rules and practices are enforced.

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Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

- Performing on-site inspections to make certain the Contractor CHASP is being followed.
- Implementing corrective actions following audits, inspections, incident investigations, etc.
- Ensuring that resources are available for all health and safety requirements.
- Assigning trained and qualified personnel to project tasks.
- Providing the appropriate monitoring and safety equipment necessary for implementing the Contractor CHASP.

The PM and PS have the ability to authorize the following safety-related suspensions:

- Temporary suspension of field activities if the health and safety of personnel are endangered.
- Temporary suspension of an individual from field activities for infraction of the Contractor CHASP.

The PM and PS will have ready access to occupational health and safety professionals, including an industrial hygienist.

2.2 Record Keeping Requirements

The PS will ensure that all health and safety record keeping requirements mandated by Rule 408.22101 et seq., Rule 324.52101 et seq. under the Michigan Occupational Safety and Health Act, and any other applicable standards are met. An administrative area will be designated for maintenance of such records including Michigan Occupational Safety and Health Act (MiOSHA) certifications, exposure monitoring records, training certificates, and health and safety field logbooks. Additional records to be kept, when applicable, may include the following:

- Daily Health and Safety Meeting Form (Figure F2-2).
- Field Team Review Sheet (Figure F2-3).

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Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

- Visitor's log and Contractor CHASP sign-off (Figure F2-4).
- Qualification and testing for respirator use and fit test.
- Emergency Medical Data Sheets (Figure F2-5).
- Calibration logs as described in Section 7.3.
- Monitoring logs for volatile organic compounds (VOCs), oxygen levels, particulates, and any other monitored parameter.
- Perimeter monitoring charts, data, and calculation sheets.
- Personal Protective Equipment (PPE) log for levels of protection greater than Level D with date, type of PPE, time and duration of PPE use.
- Exposure and incident reports.
- Emergency Report Form (Figure F2-6).
- Work stoppage and work re-start reports.
- Copies of the Contractor CHASP with appropriate signatures, CHASP Approvals (Figure F2-7).

2.3 Training

It will be the responsibility of the PM, PS and SSO to ensure that properly trained personnel are assigned to each work task. Members of the project team performing tasks that could potentially result in exposure to waste materials will have satisfied the training requirements of Rule 325.52101 et seq. (MiOSHA regulation of hazardous waste site activities). MiOSHA certificates for these members will be current and available. These employees will also be subject to appropriate medical surveillance in accordance with Rule 325.52101 et seq. Site-specific training will be provided as necessary for those workers, including subcontractors, and will include a discussion of the following topics:

- Names of all health and safety related personnel and alternates

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Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

- Health and safety organization
- Locations where Contractor CHASP will be stored
- Nature of anticipated hazards
- Recognition and avoidance of hazards at the site
- Safe use of engineering controls and equipment on the site
- Hazard communication
- Exposure risk
- Safe work practices
- PPE to be used
- Personnel and equipment decontamination procedure
- Air monitoring
- Emergency procedures and on-site First Aid Station and Procedures
- Rules and regulations for vehicle use
- Safe use of field equipment
- Handling, storage, and transportation of hazardous materials
- Employee rights and responsibilities

Additionally, field personnel will be responsible for knowing and understanding the information contained in the Contractor CHASP. Attendees will also sign a Field Team Review Sheet stating that they have been trained in, understand, and agree to comply with the provisions of the Contractor CHASP. Anyone refusing to sign the form will be prohibited from working at the site.

When a new employee has been assigned to the site, the PS and SSO must present a similar briefing before the new employee participates in any field activities. All new employees must sign the Field Team Review Sheet after receiving training and before beginning fieldwork.

2.4 Health and Safety Meeting

Prior to initiating site work, site personnel will be required to attend an orientation session given by the PS and SSO as outlined on Figure F2-2. This session will take place at the site prior to the start of work and may include, but is not limited to, the following topics:

- Site history.
- Scope of fieldwork.
- Specific hazards (toxicological data, heat stress/exposure, other physical hazards).
- Hazard recognition.
- Standard operation procedures and injury prevention, including no smoking and no hand-to-mouth contact within the exclusion zones or prior to completing decontamination.
- Decontamination (personnel and equipment).
- Emergency procedures.
- Potential respirator use.

Field personnel must attend this meeting, the minutes of which will be documented in the site logbook and maintained as indicated in Section 2. In addition, a safety meeting will be conducted before each work day.

2.5 Health Monitoring and Surveillance

A health monitoring and surveillance program will be established to verify that the worker is physically fit to perform the necessary tasks. The monitoring program will be performed in accordance with MiOSHA requirements. An initial screening of the

Former Northeast Pit
 Interim Response Action
 Plan, Ford/Kingsford Site,
 Kingsford, Michigan

worker will be performed in accordance with OSHA 29 CFR 1910 guidelines prior to site placement to document current level of health and ability to wear protective gear. The initial health screening should focus on examination of the kidneys, heart, and lungs, and should include the following physical examinations:

1. Height, weight, temperature, pulse respiration, and blood pressure.
2. Head, nose, and throat.
3. Eyes, including vision tests that measure refraction, depth perception, and color vision.
4. Ears. Requirements for this test are listed in 29 CFR 1910.95.
5. Chest (heart and lungs), including pulmonary function and electrocardiogram (EKG) testing.
6. Peripheral vascular system.
7. Abdomen and rectum (including hernia exam).
8. Spine and other components of the musculoskeletal system.
9. Genitourinary system.
10. Skin.
11. Nervous system.

The following tests should also be performed during the pre-employment examination:

- Blood (including complete blood count with differential, comprehensive metabolic panel, cadmium, mercury, and serum polychlorinated biphenyl [PCBs]).
- Urine.
- Chest X-rays.

Periodic medical exams should also be part of the Contractor's Corporate Medical Monitoring Program in accordance with 29 CFR 1910. Annual exams are acceptable; however, more frequent examinations may be necessary depending on the types of chemicals the worker has been exposed to, the duration of the assignment, and the potential or actual exposure levels.

**Appendix F
Construction Health
and Safety Plan
Guideline**

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

In addition, testing is necessary to confirm that the worker is capable of completing the work tasks while wearing protective equipment. Medical records for each team must be maintained on-site as stated in Section 2.2 to include the following information:

Qualification statement for hazardous waste work.

Qualification for respirator use.

Respirator fit test results.

Emergency Medical Data Sheet (Figure F2-5).

The Contractor will provide in the Contractor CHASP the components of their active medical monitoring program, including a detailed plan of health signs and symptoms to be monitored throughout the workday. A record of these monitoring reports will be maintained on site along with each worker's health history record.

3. Background

3.1 Site Description

The city of Kingsford is located in southwestern Dickinson County, in the western part of Michigan's Upper Peninsula. The NE Pit is a former glacial kettle with a center point located approximately 1,500 feet north of Breitung Avenue and approximately 600 feet west of Balsam Street (Figures F3-1 and F3-2). The area is zoned for industrial use. City of Kingsford zoning information for the area is included in Appendix C of the IRAP. The NE Pit area is elliptical in shape, approximately 30 feet (ft) deep, 3 acres in size, and is linked by a channel to a second pit to the southwest. A portion of the channel is included in the scope of work for the NE Pit IRAP implementation. The NE Pit is vacant, relatively flat land that is sparsely vegetated with several areas where wood tar occasionally seeps to the surface. The depth to groundwater in the area of the NE Pit ranges from approximately 39 feet to 50 feet below land surface (ft bls), and groundwater flow is generally to the west. There are no bodies of water on the site.

3.2 Site History

Aerial photographs and historic records indicate that waste disposal at the NE Pit began in the 1920s. Wood pieces, wood sawdust, wood bark chips, and charcoal were reportedly disposed of within the NE Pit along with wastewater containing dissolved organic material from wood pyrolysis processes. Historical investigations have detected the presence of VOCs, semi-volatile organic compounds (SVOCs), and metals in soil and waste material within the area of the NE Pit. Site characterization activities were completed for the surface soil, subsurface soil, and waste material, which include wood sludge and wood tar.

Investigations of the NE Pit area were initiated in 1985. In 1987 and 1988, based on the findings, a removal program was implemented by Ford that consisted of excavation and off-site disposal of wood tar. As part of characterization, exposure pathways were identified and a comparison of the site data to applicable criteria was made. The results of the NE Pit characterization are discussed in the NE Pit IRAP.

3.3 Waste Material

Only a portion of the fill within the NE Pit is waste material, the remainder of the fill material consists of imported sand, with some silt. The waste material encountered ranged from 4 to 19 feet thick, and are underlain by native silt and sand. The depth to the base of the fill and waste material ranges from 1.5 to 35 ft bls. The remaining fill is covered by fine to coarse sand ranging from 2 to 16 feet thick.

The waste material remaining within the NE Pit is a combination of various types of materials. The waste grouped into several categories, including solely wood products (wood pieces, wood chips, bark, sawdust), wood products mixed with charcoal fragments and carbonized wood, tar, and a combination of wood sludge, wood products, charcoal fragments, and carbon fragments. In addition, construction debris was observed in several of the test pits. The waste material is also interlayered with fill material consisting of sand or silt.

3.3.1 Methane Gas

The biodegradation of organic material in the groundwater system is the primary source of methane gas throughout the site. However, biodegradation of organics in the waste material may also result in methane gas formation at the NE Pit. Methane that is migrating in the unsaturated zone above the water table (vadose zone) may either degrade naturally, or migrate to the surface if no confining layer is present. Investigations have shown that where a confining layer is present, the methane migration to the surface is prevented.

4. Chemical Constituent Descriptions

Laboratory analytical data compiled for soil and waste samples within the NE Pit indicate that VOCs, SVOCs, alcohols, aldehydes, pesticides, and metals have been detected in samples at concentrations above background levels. Any chemical constituent detected in the soil or waste material at the NE Pit facility is listed below. Exposure limits, explosive limits (if applicable), and potential exposure routes for these chemical constituents of potential concern are listed in Table F4-1. Monitoring and Contractor designation of action levels will be discussed in Section 7.

VOCs:

- 1,1,2,2-Tetrachloroethane
- 1,2-Dichloroethane
- 1,2-Dichloroethene
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- 1,4-Dichlorobenzene
- 2-Butanone (MEK)
- 2-Hexanone
- Acetone
- Benzene
- n-Butylbenzene
- sec-Butylbenzene
- Carbon Dioxide
- Carbon disulfide

ARCADIS

Page 78 of 188
IMJ Date 01/26/2012

GL 744/78
Time 09:42:19

Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

- Chlorobenzene
- Chloroform
- Ethylbenzene
- Isopropylbenzene
- Methyl chloride
- n-Propylbenzene
- Styrene
- Tetrachloroethene
- Trichloroethene
- Toluene
- Xylenes

SVOCs:

- 1-Methylnaphthalene
- 2-Methylnaphthalene
- 2-Methylphenol
- 2-Nitroaniline
- 2-Nitrophenol
- 2,4-Dimethylphenol
- 3-Methylphenol

ARCADIS

Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

- 4-Methylphenol
- 4-Nitrophenol
- Acenaphthene
- Anthracene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(k)fluoranthene
- Benzoic acid
- Bis(2-ethylhexyl)phthalate
- Butylbenzene phthalate
- Chrysene
- Dibenzofuran
- Di-n-butyl phthalate
- Di-n-octylphthalate
- Fluoranthene
- Fluorene
- Isopropyltoluene
- Naphthalene

Page 79 of 188
IMJ Date 01/26/2012

GL 744/79
Time 09:42:19

- Pentachlorophenol
- Phenanthrene
- Phenol
- Pyrene

Alcohols:

- 1-Propanol
- Ethanol
- Ethylacetate
- Isobutanol
- Isopropanol
- Methanol
- n-Butanol

Aldehydes:

- Acetaldehyde
- Formaldehyde
- Hexanal
- m-Tolualdehyde
- Paraldehyde
- Pentanal
- Propanal

ARCADIS

Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

Pesticides:

- Aldrin
- Aroclor 1242
- Lindane (BHC gamma)
- Chlordane (alpha)
- Chlordane (gamma)
- Endosulfan I
- Endosulfan II
- Endrin
- Heptachlor epoxide
- Methoxychlor

Metals:

- Aluminum
- Antimony
- Arsenic
- Barium
- Beryllium
- Cadmium
- Calcium
- Chromium

Page 81 of 188 GL 744/81
IMJ Date 01/26/2012 Time 09:42:19

**Appendix F
Constuction Health
and Safety Plan
Guideline**

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

- Cobalt
- Copper
- Cyanide
- Iron
- Lead
- Magnesium
- Manganese
- Mercury
- Molybdenum
- Nickel
- Potassium
- Selenium
- Silver
- Sodium
- Thallium
- Titanium
- Vanadium
- Zinc

In addition, the presence of potentially explosive concentrations of methane gas exists. Since methane gas is lighter than air, it will rise into the vadose zone in the absence of silt or clay layers. Historical investigations at the NE Pit have shown the prevalence of

ARCADIS

**Appendix F
Constuction Health
and Safety Plan
Guideline**

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

methane gas is within the waste material. Provisions must be included in the Contractor CHASP for the possible occurrence of methane gas in the vadose zone.

5. Potential Exposure Pathways and Hazard Evaluation

Attention will be given to protecting on-site personnel from the physical and chemical hazards that may be encountered during construction activities that have the potential to disturb the cover system and expose personnel to the waste material below the cover system. Potential exposure pathways, physical hazards, and hazards due to typical construction activities, that may be necessary in the area and have the potential to disturb the cover system, will be discussed in this section. An evaluation of identified potential hazards is based on site history, previously completed field activities, and the typical construction activities that may be required.

5.1 Chemical Hazards

Exposure pathways have been identified according to the NIOSH Pocket Guide to Hazardous Chemicals (1997). These exposure pathways and other chemical hazards that may affect the health and safety of the on-site personnel are listed below.

The following potential exposure and chemical hazard pathways may be encountered during fieldwork at the site:

- Ingestion of affected surface soil or material.
- Dermal contact with affected particles, vapors, or gases.
- Inhalation of particles, vapors or gases.
- Dispersal of dust/particulates.
- Contact with contaminated storm water during construction.

These exposure pathways will be minimized by following the protocol for the designated working level of protection as described in Section 6.0 (Personnel Protection Program). Toxicological data for the major constituents detected at the site are listed in Table F4-1.

5.2 Physical Hazards

Field personnel may be exposed to physical hazards during this project. Physical hazards that may be encountered are:

ARCADIS

Appendix F Construction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

- Explosive Hazards
- Noise
- Heat/cold stress
- Lacerations and contusions
- Lifting hazards

General considerations are discussed below; specific comments are presented in Section 5.3.

5.2.1 Flammability and Explosivity of Vapors

Flammable and explosive methane vapors are known to be present, at depth, adjacent to the site. Frequent air monitoring for methane gas will be conducted during the field activities at the site, as well as measuring the lower explosive limit and oxygen concentrations within the breathing zone.

5.2.2 Construction Explosive Hazards

Other explosive hazards associated with construction activities include storage of vehicle fuel and calibration gases for measuring devices.

5.2.3 Noise Exposure

Construction crews may be exposed to loud noise levels from construction equipment. Hearing protection may be necessary.

5.2.4 Heat/Cold Stress

Workers may be required to wear protective clothing, which insulates the body. A hazard may exist if workers wear protective clothing in temperatures exceeding 90°F. In addition to heat stress, exposure to temperatures at or below freezing may result in frostbite and/or hypothermia. A monitoring program will be in place during use of protective gear.

Page 85 of 188

IMJ Date 01/26/2012

GL 744/85
Time 09:42:19

5.2.5 Lacerations and Contusions (Cuts and Bruises)

Earthwork and excavation activities usually involve contact with moving machinery and physical objects. If the field team is cut or bruised during this project, the PS will be prepared to deal with cuts and bruises, and a first aid kit will be present during all site operations.

5.2.6 Insect and Wildlife Hazards

If construction activities require workers to enter areas of overgrown vegetation, potential exposure to insect bites and ticks exist. Workers will pay special attention to the presence of wildlife and inspect themselves at the end of each field day. The first aid kit will contain medications for insect bites.

5.2.7 Lifting Hazards

Construction activities may involve heavy lifting. Field team members will be trained in the proper methods to lift heavy objects and cautioned against lifting objects that are too heavy for one person to handle safely.

5.2.8 Packaging and Shipping Hazards

Any samples collected from the site will be transported to subcontracted laboratories in compliance with Department of Transportation (DOT) regulations. The instructions given below will be followed to comply with DOT regulations and reduce the potential for sample breakage during transport.

- Appropriate packaging materials will be placed into shipping containers.
- The shipping containers will be classified and secured according to appropriate DOT regulations, and other relevant regulations.

5.3 Field Activities/Physical Hazards

Listed below are potential construction activities that may be performed following implementation of the IRAP as described in Section 3.3.

ARCADIS

Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

5.3.1 Hazard Analysis: Excavation

A permeable soil cover exists over waste areas at the NE Pit. Should excavation to depths greater than 24 inches be necessary in the cover area, these construction activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Exposure to explosive vapors.
- Inhalation of vapors.
- Inhalation of dust particles.
- Dermal contact with chemical constituents in the affected soil or waste material.

Physical Hazards:

- Being hit by equipment.
- Being struck by falling objects.
- Exposure to loud noise.
- Exposure to extreme outside temperatures.

In addition, should excavations greater than 4 feet deep be required, field personnel could be exposed to confined space conditions. Any excavation greater than 4 feet deep will follow the procedures identified by the OSHA Construction Code 29 CFR 1926 for excavation sloping/shoring/benching.

5.3.2 Hazard Analysis: Restoring the Protective Cover

Following disturbance of the cover system, construction activities will need to be conducted to repair/restore the protective cover. These activities may expose field personnel to the chemical and physical hazards listed below:

Page 87 of 188
IMJ Date 01/26/2012
GL 744/87
Time 09:42 19

Chemical Hazards:

- Exposure to explosive vapors
- Inhalation of vapors
- Inhalation of dust particles
- Dermal contact with chemical constituents in the affected soil or waste material.

Physical Hazards:

- Being hit by equipment
- Being struck by falling objects
- Exposure to loud noise
- Exposure to extreme outside temperatures

5.3.3 Hazard Analysis: Collecting Soil Samples for Laboratory Analysis

A permeable soil cover exists over waste areas at the NE Pit. Should it be necessary to collect soil samples at depths greater than 24 inches in the cover area, these activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Inhalation of particulates
- Dermal contact with chemical constituents in the affected soil or waste material.

After the samples have been collected in sampling jars, the samples will be properly packaged to protect shipping personnel from potential exposure to constituents. There is no particular hazard in performing the packaging operation, yet if this operation is not done properly, unsuspecting individuals may be exposed if the containers leak or break. Preservation of water samples may involve the use of acids or bases to adjust sample pH. Precautions will be taken to avoid contact with these reagents.

5.3.4 Hazard Analysis: Geotechnical Sampling as Required During Construction

A permeable soil cover exists over waste areas at the NE Pit. Should geotechnical borings/samples be required at depths greater than 24 inches in the cover area, these construction activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Inhalation of particulates
- Dermal contact with chemical constituents in the affected soil or waste material.

Physical Hazards:

- Falling objects
- Exposure to loud noise
- Exposure to extreme outside temperatures

ARCADIS

6. Personnel Protection Program

A Personnel Protection Program will be established in the Contractor CHASP to be maintained for personnel working at the site and conducting construction activities that could potentially disturb the cover system and expose personnel to waste material present below the cover system. The Personnel Protection Program will provide necessary health and safety training to the contractor personnel assigned to perform or oversee work, health and safety, security, administrative duties, or any other related functions at the site. Site safety meetings will be held before work begins each day or as specified by the PS. Separate protocol will be followed for site visitors as described in a later section.

Personnel will wear Personnel Protection Equipment (PPE) during any of the following conditions: (1) field activities involving the potential for exposure to contaminants, (2) site activities that may generate vapors, gases, particulates, mists, or aerosols, or (3) direct contaminant contact with skin. The type of required PPE is categorized by a level of protection as described below. Any respiratory protection plan implemented during on-site activities will be done in accordance with 29 CFR Part 1910.134.

The levels of protection and the equipment utilized are defined as follows:

6.1 Level D Protection

The following PPE will be considered typical Level D protection:

- Coveralls
- Leather or chemical-resistant boots with a steel toe and shank
- Work gloves
- Safety glasses, chemical splash goggles, or face shield (as determined by the PS)
- Hard hat
- Hearing protection (as determined by the PS)
- Outer latex disposable boots (optional)

6.2 Level D Modified Protection

Level D Modified protection will be used when an increased need for dermal protection is recognized, but respiratory protection is not indicated. The following equipment will be used for Level D Modified protection:

- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard).
- Disposable nitrile or butyl outer gloves (glove selection will be based on the site-specific contaminant hazard).
- Nitrile or latex inner gloves (glove selection will be based on the site-specific contaminant hazard).
- Polyvinyl chloride (PVC) boots (chemical-resistant) with a steel toe and shank.
- Hard hat.
- Hearing protection (as determined by the PS).
- Latex outer booties (optional).
- Safety glasses, chemical splash goggles or face shield (as determined by the PS).

6.3 Level C Protection

The following PPE will be considered Level C protection:

- Full-face piece air-purifying cartridge respirator with organic vapor/high-efficiency particulate filter cartridges (as site conditions warrant, a different APR cartridge may be specified in site-specific addenda).
- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard).
- Disposable nitrile or butyl outer gloves.

- Nitrile or latex inner gloves.
- PVC boots (chemical-resistant) with a steel toe and shank.
- Hard hat.
- Hearing protection (as required).
- Latex outer booties (optional).
- Two-way radio communications.

The use of a full-face piece air-purifying respirator is approved only if the following applies:

- Substances are identified and their concentrations measured.
- Substances have adequate warning properties.
- Individual passes a qualitative fit test for the assigned respirator.
- An appropriate cartridge is selected based on the hazard.

It is particularly important that the air monitoring is effectively implemented when personnel are wearing Level C protection. No changes to the specified level of protection will be made without the approval of the PS.

Verbal communication on site may be impeded by background noise caused by heavy equipment or the use of PPE. Accordingly, hand held radios will be made available. If radios are not available, all individuals will remain within sight of the project leader and hand signals will be used between personnel within the work zone. Communications requirements will be reviewed during the site safety meetings.

The following hand signals will be used in the event of an emergency where audible communication is not possible:

ARCADIS

Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

<u>Hand Signal</u>	<u>Meaning</u>
Hand gripping throat	Out of air, cannot breath
Gripping partner's wrist or both hands on waist	Leave area now, no debate
Hands on top of head	Need assistance
Thumbs Up	OK, I'm all right, I understand
Thumbs Down	No, Negative

6.4 Level B Protection

The following PPE will be considered Level B protection:

- Pressure demand supplied air respirator or self-contained breathing apparatus.
- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard).
- Disposable nitrile or butyl outer gloves.
- Nitrile or latex inner gloves.
- PVC boots (chemical-resistant) with a steel toe and shank.
- Hard hat.
- Hearing protection (as required).
- Latex outer booties (optional).
- Two-way radio communications.

The use of a full-face piece air-purifying supplied air respirator is approved only if the following applies:

- Substances are identified and their concentrations measured.
- Individual passes a qualitative fit test for the assigned respirator.

Page 93 of 188
VMJ Date 01/26/2012
GL 744/93
Time 09:42:19

6.5 Decontamination Procedures

It is the responsibility of the PS to make certain that all personnel and pieces of equipment leaving the site are properly decontaminated according to the procedures outlined in this section. All personnel exiting controlled work zones must follow decontamination procedures. Only during an emergency evacuation will personnel be allowed to leave the site before decontamination.

6.5.1 Level D Decontamination Procedures

The general decontamination procedures for workers in Level D conditions are illustrated on Figure F6-1. Gloves and outer boot covers will be washed and rinsed, if required. Steel-toed boots will also be scrubbed with decontamination solution, if required. Outer garments and Tyvek will be removed and deposited in plastic bags once they exit the hotline and prior to exiting the contamination control line. Hands and face will be washed as soon as possible.

6.5.2 Level C Decontamination Procedures

A sample decontamination procedure for workers wearing Level C Protection is illustrated on Figure F6-2. Equipment used in the exclusion zone (tools, sampling devices and containers, monitoring instruments, radios, clip boards, etc.) will be deposited on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross-contamination. Various size containers, plastic liners, and plastic drop cloths will be required for this task. Outer boots and gloves will be cleaned with the proper decontamination solution (hexane or methanol) and detergent/water. The outer gloves and boots will be rinsed and the rinse water will be contained in plastic bucket. Boots, gloves, and outer garments will be removed first, followed by removal of the respirator. Once the respirator is cleaned for storage or placed in an appropriate container, inner gloves may be removed. Workers will wash hands and face as soon as possible.

If a worker leaves the exclusion zone to change a respirator cartridge, it is not necessary to proceed through the entire contamination reduction zone. Once the worker's cartridge is exchanged, the outer glove and boot covers will be donned with joints taped and the worker may return to the exclusion zone.

ARCADIS

Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

At a minimum, disposable items (e.g., Tyvek coveralls, inner gloves, and latex overboots) will be changed on a daily basis. Decontamination solutions will be changed daily, or as conditions require.

Small equipment will be protected from contamination by draping, masking, or otherwise covering as much of the instrument as possible with plastic, without hindering the operation of the unit. Contaminated equipment will be taken from the drop area and the protective coverings removed and disposed in the appropriate containers. Any dirt or obvious contamination will be brushed or wiped with a disposable paper wipe. As necessary, air monitoring equipment will be placed in clear plastic bags that allow reading of the scale and operation of the knobs. The sensors or probes can be partially wrapped, keeping the sensor tip and discharge port clear.

To prevent trans-location of contaminants and inadvertent exposures to personnel, heavy equipment used in contaminated areas will also be decontaminated, prior to moving to a new location and before leaving the facility. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris. Where possible, contaminated soil deposits will be removed and containerized.
- After removal of gross debris, the equipment will be steam cleaned using a high-pressure washer (i.e., Hotsy).
- After steam cleaning, the equipment will be allowed to dry and will be reinspected. Any remaining visible debris will be re-cleaned through additional pressure washing.

After all debris is removed according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the close-out of the exclusion zone activities, or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment wash rinsate will be containerized for proper disposal. Decontamination wash water will be collected and sent to either the on-site water treatment system or an off-site permitted treatment / disposal system.

Inspections of equipment for release from the facility will be completed by the PM or PS. Inspections will consist of visual observations, wipe sampling and cleaning solution analysis. Inspection results will be documented in field logbooks.

ARCADIS

Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

6.6 Heat Stress Control and Monitoring

The PS will set work and break schedules depending on how heavy the workload is and the outside temperature. Generally, workers conducting activities in PPE need to break in the shade at least 10 minutes out of every hour during temperatures elevated above 90 degrees Fahrenheit (°F). Rest time will also include fluid replacement with electrolytes.

During conditions where the temperature, humidity, and solar radiation are high and the air movement is low, the following procedures will be implemented to prevent heat stress injury:

- Provide disposable cups and water. Urge workers to drink water regularly. Monitor for signs of heat stress.
- Make certain that adequate shelter is available to protect personnel against heat. If possible, set up a rest area in the shade.
- Workloads and/or duration of physical exertion will be less during the first days of exposure to heat and will be gradually increased to allow acclimatization.
- Heavy work will be scheduled during the cooler periods of the day (e.g., early morning), as possible.
- Alternate work and rest periods will be scheduled in heat stress conditions; in moderately hot conditions.

At the PS's discretion, monitoring activities for heat stress will be performed when workers are using PPE in elevated temperatures. Observation of the field team for signs and symptoms of heat stress which include:

1. Pale, clammy skin progressing to hot, dry and red skin,
2. Profuse perspiration,
3. Cramps,
4. Dizziness,

ARCADIS

Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

5. Headaches,
6. Nausea, and
7. Fainting.

Heat stress monitoring will be done at the discretion of the PS, when temperatures are greater than 90 °F or workers exhibit any indication of heat stress. Signs and symptoms of heat stress are summarized in Table F6-1.

6.7 Cold Stress Control and Monitoring

Persons working outdoors in temperatures at or below freezing or with increased wind chill may experience two types of cold weather-related injuries: frostbite and hypothermia. Ambient air temperature and the velocity of the wind are the two factors that influence the development of a cold weather-related injury.

Frostbite is a cold weather-related injury. Areas of the body, which have high surface-area-to-volume ratios such as fingers, toes and ears, are most susceptible to frostbite. Frostbite of the extremities can be categorized into three types:

- **Frost nip or incipient frostbite:** This is characterized by skin blanching or whitening.
- **Superficial frostbite:** In this case, the skin has a waxy or white appearance and is firm to the touch, but the tissue beneath is resilient.
- **Deep frostbite:** When this occurs, the tissues are cold, pale and solid. Deep frostbite is an extremely serious injury.

Hypothermia is the second type of cold weather-related injury. Systemic hypothermia is caused by exposure to freezing or rapidly dropping temperatures. Its symptoms are usually exhibited in five stages: 1) shivering; 2) apathy, listlessness, sleepiness, and sometimes rapid cooling of the body to less than 95°F; 3) unconsciousness, glassy stare, slow pulse, and slow respiratory rate; 4) freezing of the extremities; and 5) death.

The term "wind chill" is used to describe the chilling effect of moving air in combination with low temperature. For instance, an air temperature of 10°F with a wind of 15 miles per hour (mph) is the equivalent in chilling effect of air at -18°F. As

**Appendix F
Constuction Health
and Safety Plan
Guideline**

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

a general rule, the greatest incremental increase in wind chill occurs when a wind of 5 mph increases to 10 mph. Because of the effects of wind chill, there is a greater danger from cold-related injuries on cold, windy days, than on cold days where there is little or no wind.

Water conducts heat 240 times faster than air. Therefore, the body cools more quickly when damp or wet. Site personnel may become wet from: decontamination water, contact with on-site water (e.g., surface ponding, perched water in the excavation, etc.), precipitation or perspiration. Care will be taken to minimize the possibility of workers becoming damp or wet. If workers do become damp or wet, efforts will be made to minimize the time that the worker is exposed to the cold. If clothing beneath the PPE becomes damp, the PS will assess site specific weather conditions to determine if it is appropriate for site workers to remove PPE outdoors.

In general, the PS will follow these procedures to reduce cold stress:

- Install heaters in the support zone and/or trailers to provide a warming area for site personnel if necessary.
- Rotate shifts of workers.
- Schedule work and rest periods.
- Monitor workers' physical conditions.

7. Air Monitoring

Air quality monitoring will be conducted for the identification and quantification of potential airborne contaminants when construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover system are performed. Both direct-reading instruments and laboratory analysis of air samples may be used for air monitoring activities. Monitoring of methane gas, oxygen, and explosive levels in the breathing zone will be emphasized. General on-site monitoring will include visual inspection of the site to look for places where vapors may gather, such as confined spaces, low-lying areas, and wind barriers.

7.1 Air Monitoring

Standard monitoring instruments that may be used for monitoring site conditions include combustible gas indicators (CGI), photo-ionization detectors (PID), flame ionization detectors (FID), oxygen meters, colorimetric indicator tubes, and organic vapor analyzer (OVA). A MIE Data-RAM, or equivalent unit, can be used to monitor total suspended particulates. The contractor will identify specific monitoring instruments in their CHASP.

Upwind vapor levels and work zone levels will be obtained prior to initiation of activities, and will be repeated at pre-specified time intervals. An initial monitoring frequency of once per hour can be used. Once site conditions are characterized, monitoring frequency may be decreased to a frequency specified in the Contractor CHASP Monitoring Plan. Site monitoring will also be completed when site conditions change, for instance, when work begins on a different portion of the site, a different contaminant is being handled, or a different type of operation is begun.

7.2 Perimeter Monitoring

A plan for perimeter monitoring will be incorporated into the Contractor CHASP to be implemented only if on-site monitoring of activities indicates the presence of hazardous vapors. This will be used to ensure that airborne contaminants are not migrating beyond the site boundaries at concentrations harmful to human health. Initially, perimeter monitoring may be limited to particulates. If action levels for onsite monitoring with regard to particulates, VOCs, or SVOCs are exceeded, an evaluation will be made as to the extent of these impacts. If such impacts are determined to

ARCADIS

Appendix F Construction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

extend to the perimeter of the exclusion zone, perimeter monitoring will be expanded to analysis of VOCs and SVOCs, and engineering controls will be implemented.

7.3 Organic Vapor Monitoring

Air quality in the breathing zone will be evaluated by collecting readings of organic vapor levels. Air monitoring readings will be collected periodically as specified in the Contractor CHASP, and at the discretion of the PS. Observation of wind direction during investigation activities will be emphasized. The contractor will select the most suitable instrument for air monitoring purpose, considering the presence of methane in the atmosphere. A flame-ionized vapor analyzer requires methane filtration for an actual organic vapor reading, while a photo-ionization detector does not detect methane. To prevent confusion among groups working at multiple locations, a single set of action levels for organic vapors will be used.

Based on the list of chemicals of concern provided in Table F4-1, the Contractor will select hazardous chemicals that require monitoring. A plan will be presented that will include the identification and quantification of the selected constituents prior to the beginning of construction activities. Draeger gas detectors can be used for gas identification and quantification. Following initial detection of gases, the Contractor CHASP will provide levels of organic vapors at which specified actions will be required. The plan will call out specific concentrations at which field personnel will change to a higher level of PPE, or at which engineering controls will be implemented. Typical action levels are provided in Table F7-1.

The PS must be responsible for monitoring, calibrating, and maintaining the instruments. Calibrations and maintenance for all instruments will be completed in accordance to the manufacturer's recommendations. Calibrations will be recorded and the following information will be recorded in the calibration logbook to be maintained according to Section 2:

- Instrument and instrument serial number
- Calibration gas and lot number
- Initial reading
- Final Reading

ARCADIS

Appendix F
Constuction Health
and Safety Plan
Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

- Any adjustments or maintenance
- Name of the person performing the adjustments or maintenance
- Date and time

7.4 Combustible Gas/Oxygen Monitoring

The PS will ensure that combustible gas indicator/oxygen levels (CGI/O₂) are measured prior to entry into open excavations, sumps, confined spaces, or other sites/conditions where a flammable, combustible, or oxygen-deficient atmosphere may be present. To ensure accurate measurements, the O₂ concentration will be measured before the lower explosive limit (LEL) concentration. The Contractor will present a schedule for CGI/O₂ monitoring based on known methane issues and the constituent of concern list in Table F4-1.

Action levels for LEL and O₂ will be identified in the Contractor CHASP. When used, CGI/O₂ meters must be maintained and calibrated before use in accordance with manufacturers' instructions.

Page 101 of 188

WMJ Date 01/26/2012

GL 744/101

Time 09:42:19

8. Site Control

The purpose of site control is to minimize potential contamination of workers, protect the public from the site's hazards, and prevent vandalism when performing construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover system. Site control is essential in emergency situations. The plan for site control includes established work zones, site preparation, use of the buddy system, established and enforced decontamination procedures for personnel and equipment, site security measures, communication networks, and safe work practices.

8.1 Site Preparation

Prior to commencement of construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover system, the site will be prepared for cleanup activities. Site preparation can also be hazardous, and the following steps will be taken, where necessary:

- Construct roadways to provide ease of access and a sound roadbed for heavy equipment and vehicles.
- Arrange traffic flow patterns to ensure safe and efficient operations.
- Eliminate physical hazards from the work area as much as possible, including:
 - Ignition sources in flammable hazard area.
 - Exposed underground electrical wiring and low overhead wiring that may entangle equipment.
 - Sharp or protruding edges, such as glass, nails, and torn metal which can puncture protective clothing and equipment and inflict puncture wounds.
 - Debris, holes, loose steps or flooring, protruding objects, slippery surfaces, or unsecured railings, which can cause falls, slips, and trips.
 - Unsecured objects, such as bricks and gas cylinders, near the edges of elevated surfaces, which may dislodge and fall on workers.

- Construct operation pads for mobile facilities and temporary structures.
- Construct loading docks, processing and staging areas, and decontamination pads.
- Provide adequate illumination for work activities. Equip temporary lights with guards to prevent accidental contact.
- Install all wiring and electrical equipment in accordance with the applicable code.

8.2 Work Zones

Prevention of exposure to and spread of constituents by activities at the site will be achieved through the establishment of work zones. Three work zones will be used including: 1) Exclusion Zone; 2) Contaminant Reduction Zone; and 3) Support Zone. Flagging or barrier tape will be used to delineate each of these three zones.

8.2.1 Exclusion Zone

The Exclusion Zone is the area where all earthwork and clearing activities are conducted, and where chemical constituents and physical hazards are potentially present. Only properly trained individuals who are wearing appropriate PPE will be allowed to enter and work in this zone. Level D protection will be required for workers in this zone. The size of the Exclusion Zone incorporates the entire area where the cover system will potentially be disturbed and adequate space for movement of heavy equipment. Personnel in the Exclusion Zone will remain within sight of the PS or have radio communication with the PS.

8.2.2 Contaminant Reduction Zone

The Contaminant Reduction Zone is a transitional area between the Exclusion Zone and the clean area. The Contaminant Reduction Zone contains a corridor that leads from the Exclusion Zone to the Support Zone. This corridor may contain wash buckets, solid waste disposal containers, brushes, and equipment drop tarps. All decontamination activities will occur in the contaminant reduction corridor. The Contaminant Reduction Zone has a decreasing level of contamination, moving outward. The outer boundary of the Contaminant Reduction Zone is called the contamination control line, which separates the possibly low contamination area from the clean support zone. The Contaminant Reduction Zone is also the area where equipment resupply takes place, samples are prepared prior to transport to laboratory,

ARCADIS

Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

where rest area(s) are designated for workers (including portable toilet facilities, bench/chair, liquids and shade), and storage of emergency response equipment.

8.2.3 Support Zone

The Support Zone is the area where the field team will be when not performing site work. This area is to be used for meal breaks, eating, clean equipment storage, and staging. This zone will be located in an unaffected area and as far upwind from the exclusion zone as practical. The Support Zone is also the location for administrative personnel and office equipment. A portable first aid and eye wash station and toilets will be located here.

8.3 General Work Rules

Fieldwork will be conducted only during daylight hours, unless adequate artificial lighting is provided. The "buddy" system will be observed at all times when site personnel are required to wear respiratory protection.

Entry into and exit from the continuous work area, Exclusion Zone, and Contamination Reduction Zone will be permitted only through designated access points, except during an emergency or as authorized by the PS. Personnel entering the Exclusion Zone must be wearing the required minimum protective clothing as specified in Section 6.0, and they must exit these areas via the Decontamination Station.

Hands and face must be thoroughly washed as soon as possible after leaving the work area and before eating or drinking. No excessive facial hair, which interferes with a satisfactory fit of the respirator mask-to-face seal, is allowed on personnel required to wear respiratory protective equipment. The PS will determine if facial hair presents such interference.

Personnel assigned for on-site activities must be adequately trained and briefed on anticipated hazards, instruction on handling hazardous materials, if applicable, instruction on harmful plants, animals or insects, if applicable, equipment to be worn, safety practices to be followed, emergency procedures, and communications. Daily safety meetings will be held with field personnel prior to the start of work.

Field activities will comply with OSHA 28 CFR 1926/1910 Safety and Health Standards for the Constructive Industry. Regular inspections of the site, materials and equipment will be made by the SHSO to certify compliance with Subpart C (29 CFR

1926.20) General Safety and Health Provisions. The Contractor CHASP will be available on the site for inspection.

8.3.1 Overhead Utilities

Any overhead wire will be considered an energized line unless the person owning that line or the electrical utility authorities verify and provide documentation that it is not an energized line and that it has been visibly grounded.

A person will be designated to observe excavation or other equipment and to give timely warning of all operations where it is difficult for the operator to maintain the desired clearance by visual means. Parameters for minimum clearance from energized overhead lines are presented in the following table. The only acceptable method of proving inactive or de-energized state is through an effectively implemented and documented control of a hazardous energy program. Electricity in all structures will be considered to be on until proven inactive.

Minimum Clearance From Energized Overhead Electric Lines	
Nominal System Voltage (Kilovolts)	Minimum Required Clearance (feet)
0 - 50	10
51 - 100	12
101 - 200	15
201 - 300	20
301 - 500	25
501 - 750	35
751 - 1000	45

8.3.2 Inclement Weather

Natural phenomena (e.g., heat or cold, rain, snow, ice, and lightning) can affect work activities and increase risk. Additionally, extremes in temperature and moisture could affect the function of monitoring instrumentation and PPE. It is the responsibility of the SHSO to recognize weather conditions and adjust site activities accordingly.

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8.3.3 Manual Lifting

Personnel performing material handling will abide by the following guidelines:

- **DO** design manual lifting and lowering out of the task and workplace. If manual lifting must be accomplished, perform it between knuckle and shoulder height.
- **DO** be in good physical shape. If you are not used to lifting and vigorous exercise, do not attempt to do difficult lifting or lowering tasks.
- **DO** think before acting. Place material conveniently within reach. Have handling aids available. Make sure sufficient space is cleared.
- **DO** get the load close to your body. Test the weight before trying to move it. If it is too bulky or heavy, get a mechanical lifting aid or somebody else to help, or both. Place your feet close to the load. Stand in a stable position with the feet pointing in the direction of movement. Lift mostly by straightening the legs.
- **DO NOT** twist the back or bend sideways.
- **DO NOT** lift or lower awkwardly.
- **DO NOT** hesitate to get mechanical help or help from another person.
- **DO NOT** continue lifting when the load is not of a manageable weight.

8.3.4 Portable Ladders

All portable ladders will be used for their designated purposes only, and will be constructed, maintained, and used in accordance with American National Standards Institute standards A-14.1 and A-14.2, OSHA 29 CFR 1926 Subpart X, and manufacturers' instructions. Before use, each ladder will be inspected to verify that all parts are in good condition and all components function properly. Defective ladders will be tagged "do not use" by the SHSO.

In general, personnel will follow these guidelines when using portable ladders:

- Set ladders on flat, firm surfaces.

- Contact both handrails of a straight ladder with the upper support.
- To prevent slippage of a straight ladder, use another person to hold the ladder in place or tie the ladder securely to the upper support.
- Retain a ratio of 4 to 1 regarding the height of extension related to the distance of the bottom of the ladder to the well or vertical plane (1 foot out for every 4 feet up).
- Extend the handrails of a straight ladder at least 36 inches above the upper support.
- Do not use metal ladders around electrical conductors.
- Do not allow a second person to use the same ladder that you are using.
- Do not stand on the top two rungs of ladder or within 3 feet of the top of the ladder.
- Position the ladder so that no more than half of your body extends beyond either handrail during the work activity.

Review ladder raising and usage techniques as applicable under the guidance of the PS.

8.3.5 Heavy Equipment Safety

Heavy equipment can present a variety of hazards. In general, the SHSO will observe the following procedures:

- Require subcontractors to provide equipment that meets the requirements of all relevant OSHA standards.
- Inspect equipment before use. At a minimum, guarding, hydraulics, hoisting, rigging, and overall condition will be reviewed. Correct deficiencies before equipment is used.
- Verify operator qualifications before beginning work.
- Conduct noise monitoring to ensure that personnel are adequately protected.

- Equip all equipment with operational backup alarms and a fire extinguisher.
- Review copies of all pertinent inspections before the start of work.
- Investigate any safety and health concerns arising during the course of work.

8.3.6 Driver Safety

During the performance of this work, all personnel using project vehicles will possess a valid driver's license, pass any necessary permit, and obey all posted speed limits, traffic signs, and traffic signals.

8.3.7 Power and Hand Tools

Personnel will use power and hand tools in accordance with the following procedures:

- Use tools only after being trained.
- Maintain tools in good condition and inspect them prior to use.
- Use electrical tools that are double-insulated or have a ground plug.
- Use tools for their intended purpose only.
- Remove unsafe tools from service and tag with "Do not use".

8.3.8 Hand Protection

In addition to required PPE, field personnel will wear protective gloves as needed when handling materials or performing other work that could result in hand injury.

8.3.9 Lockout/Tagout

In accordance with 29 CFR 1910.147, the site personnel will use lockout/tagout procedures as necessary to control employee exposure to hazardous energy sources, particularly underground and aboveground utilities and services. Subcontractors will present their lockout/tagout procedures to the PHSM.

8.3.10 Traffic Control

The PS will coordinate all activities impacting base traffic. Unauthorized vehicles will be controlled through the use of barricades, cones, or other warning devices.

8.3.11 Material Storage

A strategy for storage of flammable and combustible liquids, compressed gasses, and corrosives will be presented in the Contractor CHASP.

8.3.12 Fire Prevention

To prevent the occurrence of fires on the project, the following will be completed in accordance with 29 CFR 1926.151:

- Electrical installations will meet the requirements of Rule 408.41701 et seq. of the Michigan Occupational Safety and Health Act 29 CFR 1926, Subpart K.
- Potential sources of fire ignition will be located away from fuel sources.
- Flammable and combustible liquids and compressed gasses will be stored in accordance with the Construction Waste Management Plan (CWMP).
- Fire extinguishers will be provided for the site in accordance with applicable portions of Rule 408.41851 and Rule 408.41852.

8.3.13 Inspections

Contractor will be prepared for health and safety inspections by Michigan Department of Consumer and Industry Services, Construction Safety Division or any other county or city official with authoritative power.

8.4 Site Security

The Contractor CHASP will also call out a plan to maintain site security. Site security measures are necessary during and after normal working hours to:

- Prevent exposure of unauthorized, unprotected people to the site hazards.

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Appendix F
Constuction Health
and Safety Plan
Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

- Prevent vandalism and increased hazards of persons trying to dispose other waste on the site.
- Prevent theft.
- Avoid interference with safe working practices.

Security protocol provided in the Contractor CHASP will include the following provisions:

- Assign the responsibility of enforcing security measures to a person who acknowledges that responsibility.
- An identification system to identify authorized persons as well as the limitations to their approved activities.
- Post signs around the perimeter of the site.
- Secure equipment for overnight storage.
- All site visitors will be approved, signed in, and given the proper PPE.

8.5 Site Visitors

Visitors to the site will be instructed to stay outside of the barricaded or Exclusion Zone and remain within the Support Zone during the extent of their stay. Visitors will be cautioned to avoid skin contact with potentially contaminated surfaces. During visitation, hand-to-mouth transfers will be reduced with special warnings not to eat, drink, smoke, or chew gum or tobacco. The use of alcohol during site visitation is prohibited.

Authorized visitors requiring observation of the work in the Exclusion Zone must read the Contractor CHASP and sign a form stating that they have read and understand the safety protocol, and will abide by it (Figure F2-4). All visitors entering the Exclusion Zone must wear appropriate personal protective gear. The Contractor CHASP will specify how site visitors will be controlled and what protective gear will be provided. Access to the site by visitors will be restricted as follows:

ARCADIS

Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

- All site visitors must notify the PS or his/her designee before obtaining access to a Support Zone.
- Site visitors entering controlled work zones will be strictly limited. The PS must approve entry and the visitor must demonstrate medical and training clearance to enter a controlled work zone and must be given site-specific training.
- All site visitor access must be clearly documented, and visitors must comply with all provisions of the Contractor CHASP.

8.6 Disposal of Material

Disposal of materials generated on-site will be in accordance with the CWMP developed for the IRAP.

9. Engineering Controls

A variety of external measures can be used to influence site conditions to prevent them from becoming hazardous, or to reduce the risk of harm to human health when conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover system. At a minimum, the following measures, or engineering controls, will be included in the Contractor CHASP.

1. Water sprayers will be used to control excessive dust conditions. The CHASP will state at what levels dust suppression will be used.
2. An oxygen analyzer will be used to monitor oxygen content in the air within the Exclusion Zone. If levels reduce to 19.5 percent oxygen or less in the breathing zone, work will be temporarily halted and industrial fans will be used for forced ventilation of the work area. Work cannot commence until oxygen levels in the breathing zone have normalized. In the event that oxygen concentrations increase to 23 percent or greater, work will be halted, but no ventilation will be applied. The work area will be allowed to ventilate naturally.
3. Ventilation of methane from the subsurface will be performed as described in the IRAP design.

Additional engineering control measures may be added to the Contractor CHASP where appropriate.

10. Emergency Procedures

On-site personnel will use the following standard emergency procedures when conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover system. The PS will be notified of any on-site emergencies and be responsible for ensuring that the appropriate procedures are followed. An emergency report (Figure F2-6) will be completed and submitted to the site PS for each instance of employee injury or possible exposure.

10.1 Emergency Phone Numbers and Hospital Location

Emergency phone numbers (Table F10-1) will be posted at a conspicuous place in the Support Zone. Directions to Dickinson County Memorial Hospital are given in Table F10-1, and a map with the route to the hospital is presented as Figure F10-1. The PS will be responsible for making sure that all field personnel are familiar with the location of the hospital, and know where the emergency phone list and directions to the hospital are located.

10.2 Personnel Injury in the Exclusion Zone

In the event of an injury in the Exclusion Zone, all site personnel will assemble at the decontamination line. The PS will evaluate the nature of the injury and the affected person will be decontaminated to the extent possible prior to movement to the Support Zone. Appropriate first aid will be initiated, and contact will be made with the Dickinson County Memorial Hospital for an ambulance (if required) (Table F10-1). No person will re-enter the Exclusion Zone until the cause of injury or symptoms are determined. An injury report will be created and submitted to the established authority for action (Figure F2-6).

10.3 Personnel Injury in the Support Zone

Upon notification of an injury in the Support Zone, the PM and PS will assess the nature of the injury. If the cause of the injury or loss of the injured person does not affect the performance of site personnel, operations may continue, and the appropriate first aid and necessary follow-up, as stated above, will be initiated. An injury report will be created and submitted to the established authority for action (Figure F2-6). Approved first aid kits will be kept in appropriate places on the work site. The PS will be responsible for making sure personnel are familiar with the first aid kit locations. The PS will also be responsible for the maintenance of the first aid kits.

10.4 Fire/Explosion Emergency Procedures

The threat of fire/explosion on this work site is considered high because of potential concentrations of methane gas in the subsurface. In addition, fire hazards exist in the following activities:

- Equipment refueling.
- High pressure water cleaning, fuel storage, and refueling.
- Presence of solvent contamination.

The PS will check to see that each vehicle fire extinguisher is appropriate for the fire hazard present at this site. Generally, Type A, B, and C extinguishers are appropriate. The field team will be prepared to fight small fires with extinguishers. In the event of a large fire, the field team will contact the appropriate authorities and report the fire.

10.4.1 Emergency Procedures

In an emergency, the PS (or alternate PS) will assume total control and decision making on site. In the event of a chemical spill, the release reporting procedures as detailed in the Waste Management Plan will be followed and the PS will attempt to containerize the material. In the event of a fire or explosion, the PS will take the following actions:

- Notification of site personnel and appropriate authorities.
- Shutdown site activities.
- Account for site workers at decontamination corridor.
- Evacuate the site, if necessary.

Methane in the gas state is a dangerous fire and explosion hazard when exposed to heat or flame. Care will be taken to eliminate sources of potential ignition, such as smoking, and non-explosion-proof electrical and internal combustion equipment. The use of flame devices such as cutting torches or welding equipment will only be done with approval of the PS after combustible gas (cg) monitoring. In the event of a small

methane fire, the field team will be prepared to control the fire using CO₂ or dry chemical.

Upon notification of an on-site fire or explosion, all site personnel will assemble at the decontamination line. The fire department will be alerted by calling 911 for response services. All site personnel will be moved a safe distance from the involved area.

If PPE worn by personnel fails or is otherwise altered in such a manner that the level of protection is affected, the workplace must be vacated. The person affected will immediately leave the work zone. Re-entry will not be permitted until the equipment has been repaired or replaced.

Field personnel must notify the PS when any on-site equipment fails to operate properly. The PS will determine the effect of this failure on continuing operations on-site. If the failure affects the safety of personnel, or prevents completion of assigned tasks, all personnel will leave the work zone until the situation is evaluated and appropriate actions taken.

In all situations, when an onsite emergency results in evacuation, personnel will not re-enter until:

1. The conditions resulting in emergency have been corrected,
2. The hazards have been reassessed,
3. The CHASP has been reviewed; and
4. Site personnel have been briefed on any changes in the CHASP.

10.4.2 Emergency Medical Care

The following describes emergency procedures when it is suspected that a person has suffered from chemical exposure.

Dickinson County Memorial Hospital (Phone # 779-4555) will be contacted in an emergency. The hospital is located at 1721 Stephenson Avenue, Iron Mountain, Michigan, and a map of the route and alternate routes is attached as Figure F10-1. A local ambulance service is available by calling 911. First-aid equipment (including a first-aid kit, emergency eye wash and emergency shower) will be available on site.

ARCADIS

Page 116 of 188 GL 744/116
IMJ Date 01/26/2012 Time 09:42:19

Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

Skin Contact

1. Flush with water.
2. Remove clothing, if necessary.
3. Wash and rinse affected area for at least 20 minutes. Decontaminate and provide appropriate medical attention.

Inhalation

1. Move person away from area.
2. Administer CPR as needed.
3. Decontaminate and transport to hospital for medical attention (Figure F10-1).

Ingestion

1. Decontaminate and transport to hospital for medical attention.

Eye Contact

1. Irrigate with water for at least 15 minutes.
2. Decontaminate and transport to hospital for medical attention (Figure F10-1).

In the event of a serious accident/injury, the PS will make an immediate telephone report to the PM outlining all details of the accident/injury and action(s) taken. This reporting procedure will be accomplished using the Contractor's Accident/Incident Report. The report will include at a minimum the following information:

- Chronological history of the incident.
- Facts concerning the incident and when they became available.
- Title and names of personnel involved.

ARCADIS

Appendix F Constuction Health and Safety Plan Guideline

Former Northeast Pit
Interim Response Action
Plan, Ford/Kingsford Site,
Kingsford, Michigan

- Actions (decisions made and by whom) orders given (to whom, by whom, and when) action taken (who did what, when, where, and how).
- Possible exposure(s) of site personnel.
- History of all injuries or illnesses during or as a result of the emergency.

In the event of a spill of hazardous materials on site, the PS will control the spill and proceed to absorb and containerize the material. In addition, the PS may conduct air monitoring to characterize exposure hazards from the incident.

Tables

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Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

	Maximum Concentrations (µg/kg)	OSHA PEL	IDLH	Potential Exposure Route	Ioniation Potential	UEL/LEL
ORGANICS						
<i>VOCs</i>						
Acetone	100,000	250 ppm	2,500 ppm	Inh, Ing, Con	9.69 eV	12.8%/2.5%
Benzene ¹	21,000	0.1 ppm	CA 500 ppm	Inh, Abs, Ing, Con	9.24 eV	7.8%/1.2%
2-Butanone (MEK)	140,000 DBJ	200 ppm	3,000 ppm	Inh, Ing, Con	9.54 eV	11.4%(200 F)/1.4%(200 F)
n-Butylbenzene (also called 1-Phenylbutane)	370,000	NE				
sec-Butylbenzene (also called 2-Phenylbutane)	130,000	NE				
Carbon Dioxide	15,000 R	5,000 ppm	40,000 ppm	Inh, Con	13.77 eV	NA/NA
Carbon disulfide	79	1 ppm	500 ppm	Inh, Abs, Ing, Con	10.08 eV	50.0%/1.3%
Chlorobenzene	2,000 J	75 ppm (OSHA)	1,000 ppm	Inh, Ing, Con	9.07 eV	9.6%/1.3%
Chloroform	13	50 ppm	CA 500 ppm	Inh, Abs, Ing, Con	11.42 eV	NA/NA
1,4-Dichlorobenzene	15	NE				
1,2-Dichloroethane	17 J	NE				
Ethylbenzene	46,000	100 ppm	800 ppm	Inh, Ing, Con	8.76 eV	6.7%/0.8%
2-Hexanone	33,000	1 ppm	1,600 ppm	Inh, Abs, Ing, Con	9.34 eV	8%/ND
Isopropylbenzene	2,900 J	NE				
Methylene chloride	120	25 ppm	CA 2,300 ppm	Inh, Abs, Ing, Con	11.32 eV	23%/13%
n-Propylbenzene	92,000	NE				
Styrene	16,000	50 ppm	700 ppm	Inh, Ing, Con	8.40 eV	6.8%/0.9%
1,1,2,2-Tetrachloroethane	4,900 J	1 ppm	CA 100 ppm	Inh, Abs, Ing, Con	11.10 eV	NA/NA

Footnotes on Page 6.

Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

	Maximum Concentrations (µg/kg)	OSHA PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
<i>VOCs (continued)</i>						
Tetrachloroethene	7	NE				
Trichloroethene (also called Trichloroethylene)	110,000	25 ppm	CA 1,000 ppm	Inh, Abs, Ing, Con	9.45 eV	10.5%/8%
1,2,4-Trimethylbenzene	210,000	25 ppm	ND	Inh, Ing, Con	8.27 eV	6.4%/0.9%
1,3,5-Trimethylbenzene	57,000	25 ppm	ND	Inh, Ing, Con	8.39 eV	ND
Toluene	110,000	100 ppm	500 ppm	Inh, Abs, Ing, Con	8.82 eV	7.1%/1.1%
m-Xylene	0.4 J	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.56 eV	7.0%/1.1%
o-Xylene	150,000	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.56 eV	6.7%/0.9%
p-Xylene	150,000	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.44 eV	7.0%/1.1%
<i>SVOCs</i>						
Acenaphthene	4,800 J	NE				
Anthracene	3,900 J	NE				
Benzo(a)anthracene	1,100 J	NE				
Benzoic acid	850 J	NE				
bis(2-Ethylhexyl)phthalate	4,200	NE				
Butylbenzylphthalate	150 J	NE				
Chrysene	1,500 J	NE				
Dibenzofuran	240,000	NE				
Diethyl phthalate	2,000,000	5 ppm	ND	Inh, Ing, Con	ND	ND/0.7%
2,4-Dimethylphenol	960,000	NE	NE			ND

Footnotes on Page 6.

Page 120 of 188
 JMJ Date 01/26/2012
 Time 09:42:19
 GL 744/120

ARCADIS

Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

	Maximum Concentrations (µg/kg)	OSHA PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
<i>SVOCs (continued)</i>						
Di-n-Butylphthalate	440,000	NE				
Di-n-octylphthalate	220 J	NE				
Fluoranthene	2,300 J	NE				
Fluorene	76,000	NE				
p-Isopropyltoluene	250,000	NE				
4-Methyl-2-pentanone (MIBK)	6,000 JD	50 ppm	500 ppm	Inh, Ing, Con	9.30 eV	8.0%(200 F)/1.2%(200 F)
1-Methylnaphthalene	10,000	NE				
2-Methylnaphthalene	370,000	NE	NE	Ing		ND
2-Methylphenol (also called o-Cresol)	1,000,000	2.3 ppm	250 ppm	Inh, Abs, Ing, Con	8.93 eV	ND/1.4%
3-Methylphenol (also called m-Cresol)	1,400,000	2.3 ppm	250 ppm	Inh, Abs, Ing, Con	8.98 eV	ND/1.1%
4-Methylphenol (also called p-Cresol)	400,000	2.3 ppm	250 ppm	Inh, Abs, Ing, Con	8.97 eV	ND/1.1%
Naphthalene	440,000	10 ppm	250 ppm	Inh, Abs, Ing, Con	8.12 eV	5.9%/0.9%
2-Nitroaniline	3,100	NE				
2-Nitrophenol	310,000	NE	NE			
4-Nitrophenol	470,000	NE				
Pentachlorophenol	460 J	0.5 ppm	2.5 ppm	Inh, Abs, Ing, Con	NA	NA/NA
Phenanthrene	11,000 J	NE				
Phenol	1,100,000	5 ppm	250 ppm	Inh, Abs, Ing, Con	8.50 eV	8.6%/1.6%
Pyrene	2,800 J	NE				

Footnotes on Page 6.

Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

PESTICIDES						
Aldrin	43 J	0.25 mg/m ³	CA 0.25 mg/m ³	Inh, Abs, Ing, Con	ND	NA/NA
Aroclor 1242	48,000 D	None				
Chlordane (alpha)	11 J	0.5 mg/m ³	CA 100 mg/m ³	Inh, Abs, Ing, Con	ND	NA/NA
Endosulfan I	2.8 P	0.1 mg/m ³	ND	Inh, Abs, Ing, Con	ND	NA/NA
Endosulfan II	1 J	0.1 mg/m ³	ND	Inh, Abs, Ing, Con	ND	NA/NA
Endrin	57 J	0.1 mg/m ³	2 mg/m ³	Inh, Abs, Ing, Con	ND	NA/NA
Heptachlor epoxide	25 J	0.5 mg/m ³	CA 35 mg/m ³	Inh, Abs, Ing, Con	ND	NA/NA
Lindane (BHC gamma)	120 J	0.5 ppm	50 ppm	Inh, Abs, Ing, Con	ND	NA/NA
Methoxychlor	29 J	15 mg/m ³ (OSHA)	CA 5,000 mg/m ³	Inh, Ing	ND	NA/NA
ALCOHOLS						
n-Butanol	530,000 R	50 ppm	ND	Inh, Abs, Ing, Con	10.04 eV	11.2%/1.4%
Ethanol	380,000 J	1,000 ppm	3,300 ppm	Inh, Abs, Ing, Con	10.47 eV	19%/3.3%
Ethylacetate	16,000	400 ppm	2,000 ppm	Inh, Ing, Con	10.01 eV	11.5%/2.0%
Isobutanol	1,600 J	50 ppm	1,600 ppm	Inh, Ing, Con	10.12 eV	10.6% (202 F)/1.7% (123 F)
Isopropanol	2,000 J	400 ppm	2,000 ppm	Inh, Ing, Con	10.10 eV	12.7% (200 F)/2.0%
Methanol	830,000 B	200 ppm	6,000 ppm	Inh, Abs, Ing, Con	10.84 eV	36%/6.0%
1-Propanol	21,000	NE				
ALDEHYDES						
Acetaldehyde	100,000	200 ppm	CA 2,000 ppm	Inh, Ing, Con	10.22 eV	60%/4%
Formaldehyde	4,900	0.016 ppm	CA 20 ppm	Inh, Con	10.88 eV	73%/7.0%
Hexanal	17,000	NE				
m-Tolualdehyde	17,000	NE				

Footnotes on Page 6.

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Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

	Maximum Concentrations (µg/kg)	OSHA PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
<u>ALDEHYDES (continued)</u>						
Paraldehyde	1,100	NE				
Pentanal	8,000	NE				
Propanal	10,000	200 ppm	800 ppm	Inh, Abs, Ing, Con	10.15 eV	13.7%/2.2%
<u>METALS</u>						
Aluminum	14,300,000 J	2.0 ppm	ND	Inh, Ing, Con	Varies	ND
Antimony	35,000 J	0.5 ppm	50 ppm	Inh, Ing, Con	NA	ND
Arsenic	7,500 J	0.01 ppm	5 ppm	Inh, Abs, Ing, Con	NA	ND
Barium	291,000	NE				
Beryllium	620 B	0.0005 mg/m ³	CA 4 mg/m ³	Inh, Con	NA	NA/NA
Cadmium	1,000	0.005 mg/m ³ (OSHA)	CA 9 mg/m ³	Inh, Ing	NA	NA/NA
Calcium	98,300,000	NE				
Chromium	40,000	0.5 ppm	25 ppm	Inh, Ing, Con	NA	ND
Cobalt	9,600	0.05 ppm	20 ppm	Inh, Ing, Con	NA	ND
Copper	2,400,000	1.0 ppm	100 ppm	Inh, Ing, Con	NA	ND
Cyanide	1,500 J	NE				
Iron	20,500,000	5.0 ppm	2,500 ppm	Inh	NA	ND
Lead	150,000	0.05 ppm	100 ppm	Inh, Ing, Con	NA	ND
Magnesium	17,200,000 J	15.0 ppm	750 ppm	Inh, Con	NA	ND
Manganese	690,000	1 ppm	500 ppm	Inh, Ing, Con	NA	ND
Mercury	380	0.05 mg/m ³	10 mg/m ³	Inh, Abs, Ing, Con	ND	NA/NA

Footnotes on Page 6.

Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

	Maximum Concentrations (µg/kg)	OSHA PEL	IDLH	Potential Exposure Route	Ioniation Potential	UEL/LEL
<u>METALS (continued)</u>						
Molybdenum	1,200 B	5.0 ppm	1,000 ppm	Inh, Ing, Con	NA	ND
Nickel	121,000	0.015 ppm	10 ppm	Inh, Ing, Con	NA	ND
Potassium	2,340,000 J	NE				
Selenium	4,100 J	0.2 ppm	1.0 ppm	Inh, Ing, Con	NA	ND
Silver	1,400 BN	0.01 mg/m ³	10 mg/m ³	Inh, Ing, Con	NA	NA/NA
Sodium	4,100,000	CA (2.0 ppm)	10 ppm	Inh, Ing, Con	NA	ND
Thallium	580 B	NE				
Titanium	510,000	NE				
Vanadium	13,600	0.05 mg/m ³	35 mg/m ³	Inh, Ing, Con	NA	NA/NA
Zinc	220,000	NE				
<u>OTHER</u>						
Acetic Acid/Acetate	18,000,000	10 ppm	50 ppm	Inh, Con	10.66 eV	19.9%/4%
Sulfur	27,000 NJ	NE				

Page 124 of 188
 MJ Date 01/26/2012
 GL 744/124
 Time 09:42:19

- µg/kg Micrograms per kilogram.
- µg/L Micrograms per liter.
- Abs Skin Absorption.
- B Constituent also detected in laboratory blank.
- Con Skin or eye contact.
- D Result was obtained from analysis of a dilution.
- eV Electron volts.
- F Degrees fahrenheit.

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Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Ing	Ingestion.
Inh	Inhalation.
J	Estimated result.
LEL	Lower Explosive Limit.
mg/L	Miligrams per liter.
mg/m ³	Miligrams per cubic meter.
N	Spike sample recovery is not within control limits.
NA	Not Applicable.
ND	Not Determined.
NE	Not established.
NIOSH	National Institute for Occupational Safety and Health.
OSHA	Occupational Safety & Health Administration.
PCBs	Polychlorinated biphenyls.
PEL	Permissible Exposure Limit, based on 8 Hour Time-Weighted Averaged.
ppb	Parts Per Billion = µg/L.
ppm	Part Per Million = mg/L.
R	Rejected result.
SVOC	Semi-volatile organic compound.
TBAL	To be added later.
UEL	Upper Explosive Limit.
VOC	Volatile Organic Compound.
IDLH	Immediately Dangerous to Life or Health. In the event of respirator failure, one could escape within 30 minutes without experiencing any irreversible health effects.
CA	NIOSH has recommended the substance be treated as a potential human carcinogen. IDLH not listed.
I	Level of protection criteria for benzene obtained from OSHA 29 CFR 1910.1028/Benzene/Z/Toxic and Hazardous Substances.

Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

References:

NIOSH Pocket Guide to Chemical Hazards.

Groundwater Chemicals Desk Reference Montgomery and Welkom.

Dangerous Properties of Industrial Chemicals, Sat and Lewis.

Page 126 of 188
JMJ Date 01/26/2012
CL 744/126
Time 09:42:19

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Table F6-1. Signs and Symptoms of Chemical Exposure and Heat Stress that Indicate Potential Medical Emergencies, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Type of Hazard	Signs and Symptoms
<i>Chemical Hazard</i>	<ul style="list-style-type: none"> Behavioral changes Breathing difficulties Changes in complexion or skin color Coordination difficulties Coughing Dizziness Diarhea Fatigue and/or weakness Irritability Irritation of eyes, nose, respiratory tract, skin, or throat Headache Light-headedness Nausea Sneezing Sweating Tearing Tightness in the chest
<i>Heat Exhaustion</i>	<ul style="list-style-type: none"> Clammy skin Confusion Dizziness Fainting Fatigue Heat Rash Light-headedness Nausea Profuse sweating Slurred speech Weak pulse
<i>Heat Stroke (may be fatal)</i>	<ul style="list-style-type: none"> Confusion Convulsions Hot skin, high temperature (yet may feel chilled) Incoherent speech Staggering gait Sweating stops (yet residual sweat may be present) Unconsciousness

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Table F7-1. Action Levels, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Instrument	Reading	Action
<u>PID</u>	< 10 ppm or = 10 ppm	Level D
	>10 ppm, <50 ppm	Level C
	>50 ppm	Stop Work
<u>MIE Miniram</u>	<1.0 mg/m ³	Continue work
	>1.0 mg/m ³ , < 2.5 mg/m ³	Level C or implement dust suppression
	>2.5 mg/m ³	Stop work
<u>Combustible Gas Indicator</u>	<20% or = 20% LEL	Continue Work
	>20% LEL	Stop Work. Allow to ventilate
<u>Oxygen Analyzer</u>	<19.5% or =19.5%	Stop work, raise oxygen content with forced ventilation
	> 23% or = 23%	Stop work, allow area to ventilate

LEL Lower explosive limit.
 mg/L Milligram per liter.
 mg/m³ Milligram per cubic meter.
 ppm Parts per million = mg/L.

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Table F10-1. Emergency Telephone Numbers and Directions to Dickinson County Memorial Hospital, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

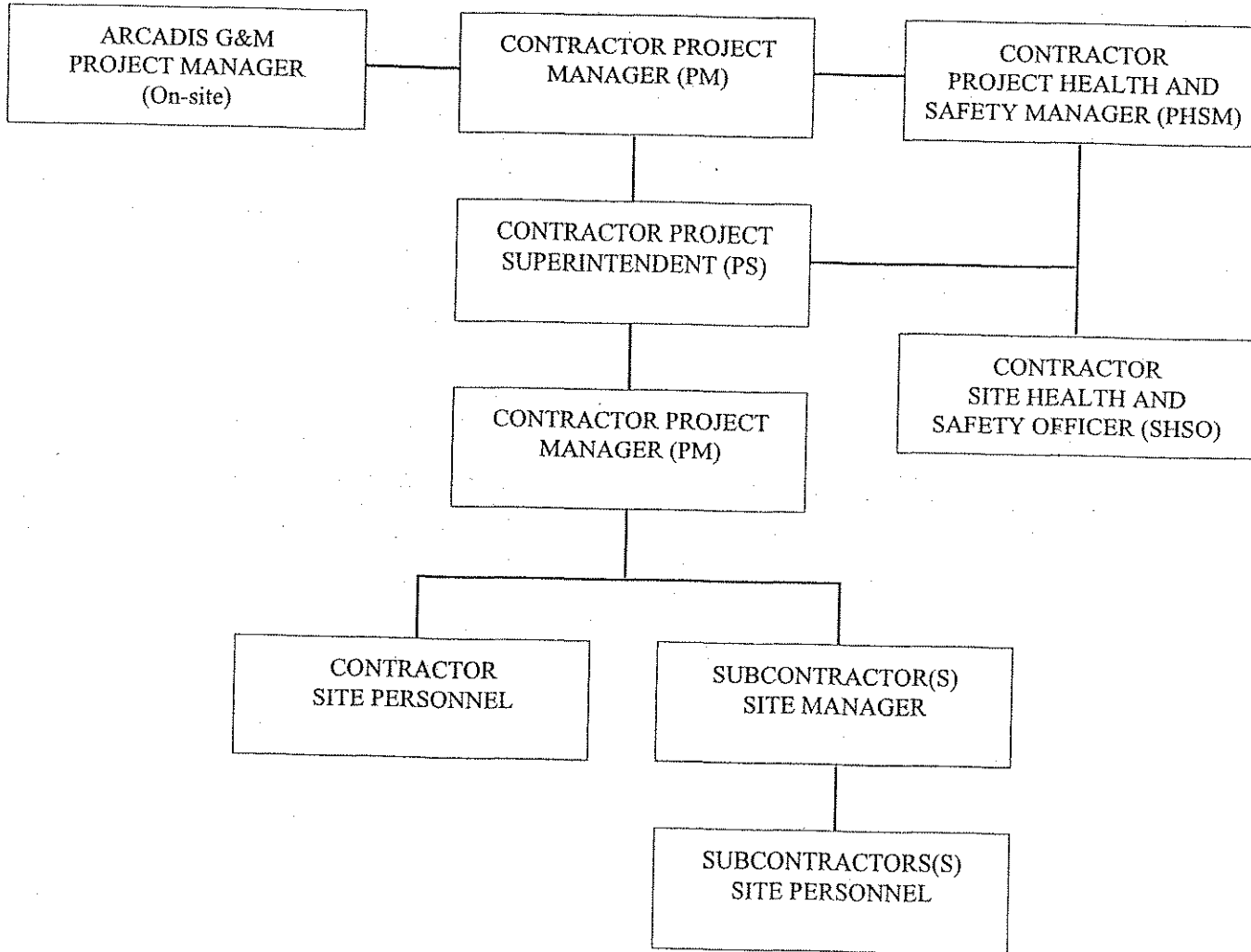
Area Code	906
Police Emergency	911
Police Non-Emergency	774-2525
Fire Emergency	911
Fire Non-Emergency	774-1265
Ambulance	911
Beacon Ambulance Service	779-5050
Rescue Squad	911
Dickinson County Sheriff	774-6262
Hospital Emergency	779-4555
Hospital Non-Emergency	774-1313
Poison Control Center	1 (800) 562-9781
Toxic Substances Center for Disease Control (CDC)	1 (404) 452-4100
CDC Hotline	1 (202) 554-1404
	1 (404) 329-2888
Contractor Project Manager	Insert Contact Numbers
ARCADIS Project Manager	Ric Studebaker (414) 276-7742
ARCADIS Corporate Health & Safety Manager	Sam Moyers, (423) 481-3000
Contractor Corporate Health & Safety	Insert Contact Numbers
Miss Dig	1 (800) 482-7171

Dickinson County Memorial Hospital - South US Highway 2, Iron Mountain, Michigan.

Directions to Hospital:

East on Breitung Avenue to Hydraulic Falls Road. North (left) on Hydraulic Falls Road to US Highway 2 (Stephenson Avenue). South (right) on US Highway 2 for approximately 1 mile to Dickinson Memorial Hospital.

Figures



Page 131 of 188
 MJ Date 01/26/2012
 GL 744/131
 Time 09:42:19



PROJECT HEALTH AND SAFETY ORGANIZATION AND REPORTING

FORMER NORTHEAST PIT IRAP
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE

F2-1

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Figure F2-2. Sample Health and Safety Meeting Form, Former Northeast Pit IRAP, Ford/
Kingsford Site, Kingsford, Michigan.

SITE Ford/Kingsford LOCATION Kingsford, Michigan

WORK LOCATION AT SITE _____

PREPARED BY _____

PROJECT MANAGER _____

TYPE OF WORK _____

SAFETY TOPICS PRESENTED

CHEMICAL HAZARDS AND EXPOSURE ROUTES _____

PHYSICAL HAZARDS AT SITE AND HAZARDS RELATED TO TYPE OF WORK _____

PROTECTIVE CLOTHING/MONITORING EQUIPMENT REQUIRED _____

_____ STEEL TOE BOOTS

_____ GLOVES (SPECIFIC TYPE)

_____ HARD HAT

_____ TYVEK

_____ SAFETY GLASSES/GOGGLES

_____ RESPIRATOR (Specify Cartridge Selection)

_____ SPECIAL EQUIPMENT

EMERGENCY INFORMATION

AMBULANCE/PARAMEDIC PHONE ()

HOSPITAL ()

ROUTE TO HOSPITAL (Attach Map if Necessary) _____

ATTENDEES

MEETING GIVEN BY _____

DATE _____

TIME _____

SIGNATURES _____

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Figure F2-5. Sample Emergency Medical Data Sheet, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Project: _____

Name: _____ Home Telephone _____

Address: _____

Age: _____ Height: _____ Weight: _____ Blood Type: _____

Emergency Contact: _____

Drugs or other allergies: _____

Particular sensitivities: _____

Do you wear contacts? _____

Provide checklist of previous illnesses. _____

Have you ever had any previous exposures to hazardous chemicals? Please Detail. _____

What medications are you currently using? _____

Do you have any medical restrictions? Please detail. _____

Name, address, and phone number of personal physician: _____

Figure F2-6. Sample Emergency Report Form, Former Northeast Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

1. DATE _____

2. TIME OF ACCIDENT _____
 CLIMATIC CONDITIONS _____

3. ON-SITE COORDINATOR _____

4. EMPLOYEE INJURED _____

5. COMPANY AFFILIATION _____

6. SOCIAL SECURITY NUMBER _____

7. INSURANCE COMPANY _____

8. NUMBER OF WORKERS AT SITE _____

NAMES OF WORKERS	COMPANY AFFILIATION
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

9. CIRCUMSTANCES OF THE INJURY/EMERGENCY ACTION _____

10. EMERGENCY ACTIONS TAKEN _____

11. WAS FIRST AID PROVIDED? _____

12. WAS AN EMERGENCY PHONE CALL MADE TO THE PROJECT SAFETY OFFICER? _____
 IF SO, TIME: _____

13. AMBULANCE SEVICE USED _____

14. HOSPITAL USED _____

15. ATTENDING PHYSICIAN _____

16. COMPANY REPRESENTATIVE CONTACTED _____

17. CONTRACTOR REPRESENTATIVE CONTACTED _____

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Figure F2-7. Construction Health and Safety Plan (CHASP) Approvals, Former Northeast Pit, Ford/Kingsford Site, Kingsford, Michigan.

By their signature, the undersigned certify that this CHASP is approved and will be utilized for operations to be conducted under this plan.

Contractor Project Manager Date

Contractor Project Superintendent Date

Contractor PHSM Date

Ford Motor Company Project Manager Date

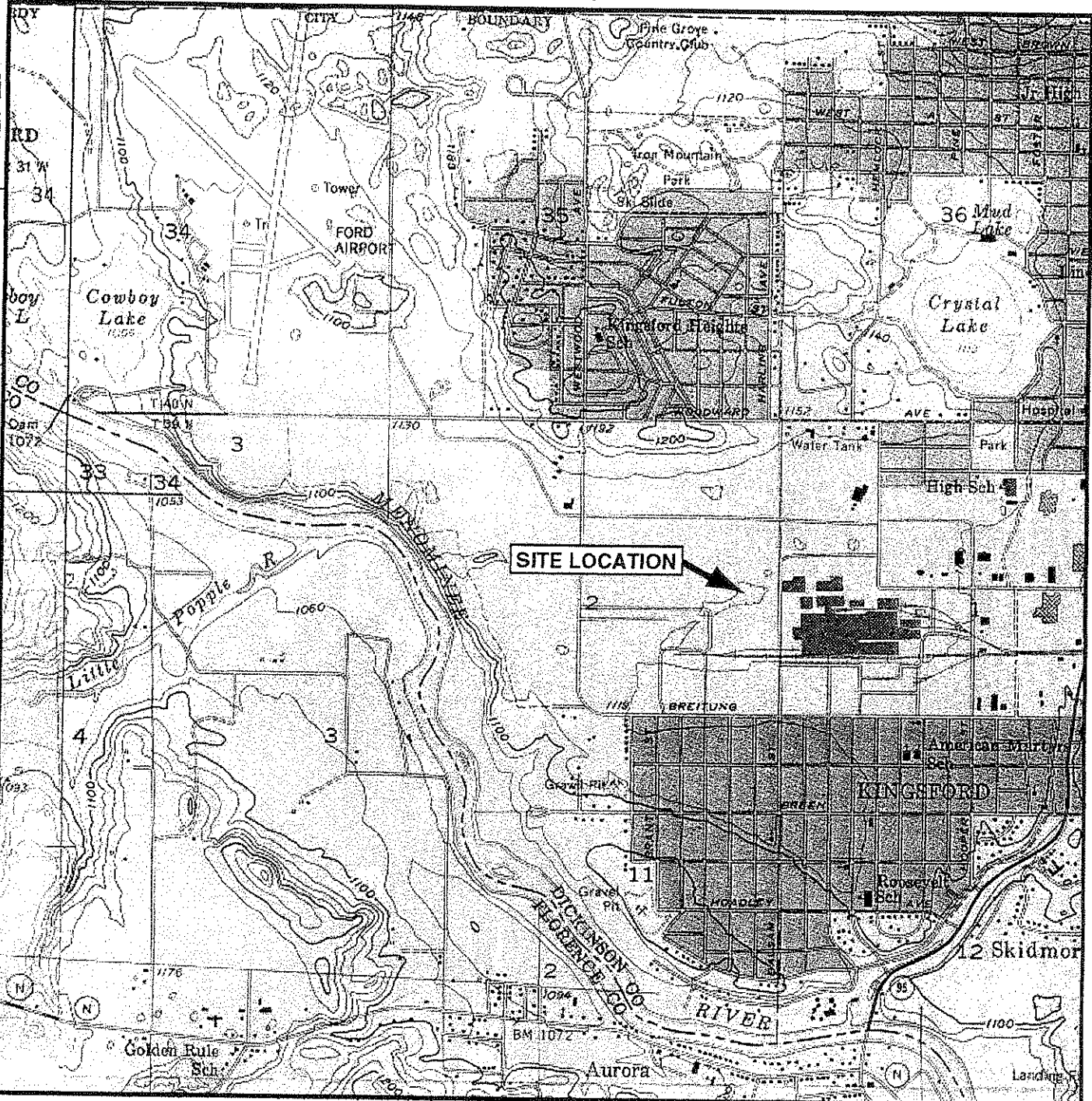
Kingsford Products Company Project Manager Date

Contractor Occupational Safety and Health Representative Date

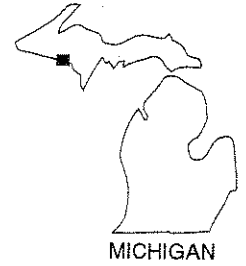
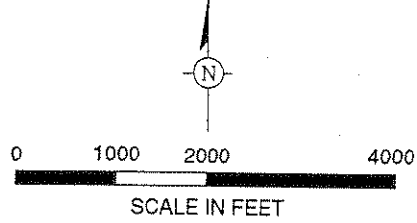
Page 137 of 188
JMJ Date 01/26/2012

GL 744/137
Time 09:42:19

FILE NO.: GRAPHICSHSAFETY | DRAWING: SITE_LOCD7A1 | CHECKED: BELB | APPROVED: | DRAFTER: LS



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982



MICHIGAN

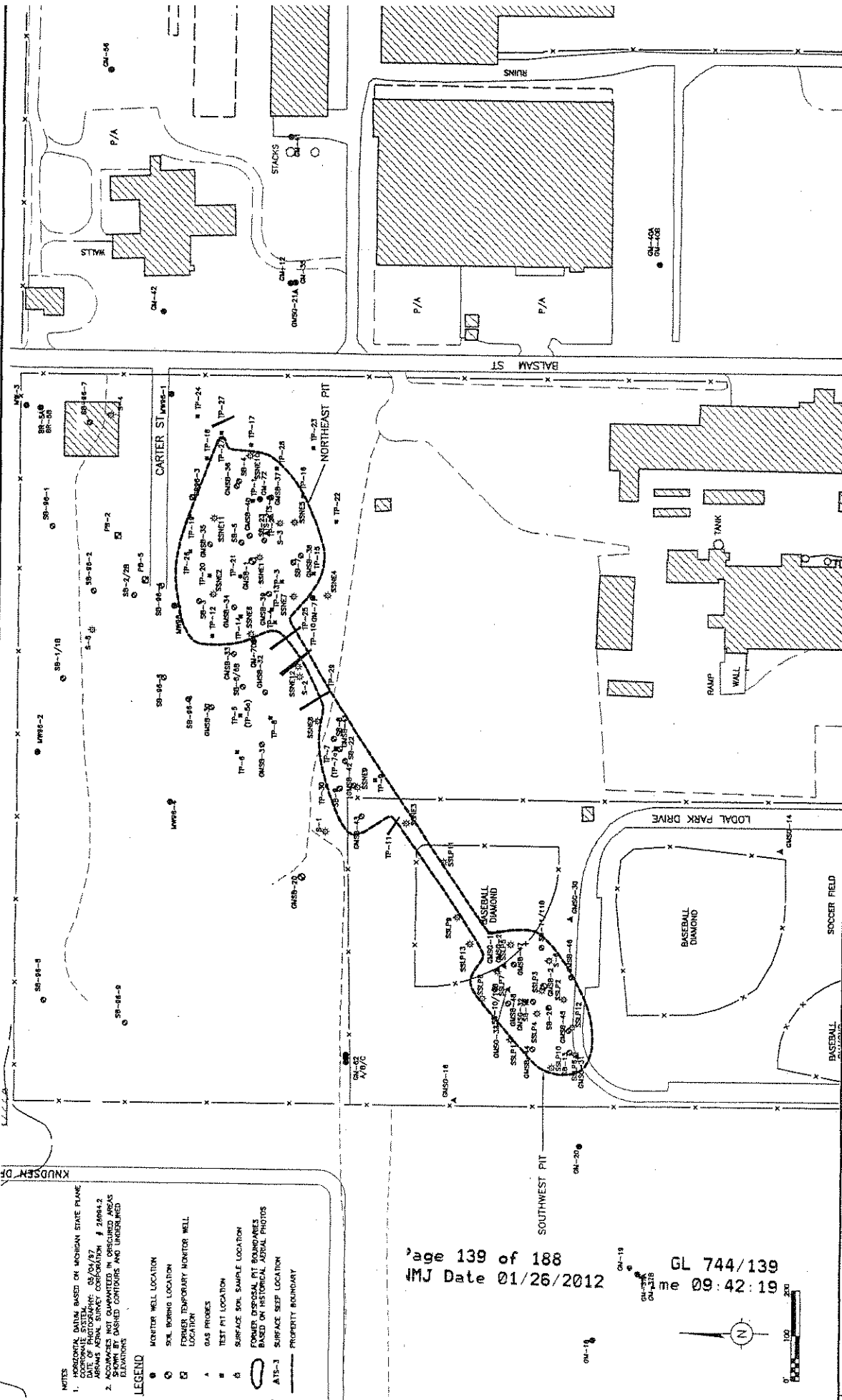


SITE LOCATION MAP

FORMER NORTHEAST PIT IRAP
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE

F3-1

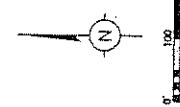




NOTES
 1. HORIZONTAL DATUM BASED ON MICHIGAN STATE PLANE
 COORDINATE SYSTEM: SR 84/87 # 248442
 AIRSAS AERIAL SURVEY COORDINATE
 2. ACCURACIES NOT GUARANTEED IN OBTAINED AREAS
 SHOWN BY DASHED CONTOURS AND UNDERLINED
 ELEVATIONS

LEGEND
 ○ MONITOR WELL LOCATION
 ● SOIL BORING LOCATION
 □ FORMER TEMPORARY MONITOR WELL LOCATION
 ▲ GAS PROXIMITY
 ■ TEST PIT LOCATION
 ◊ SURFACE SOIL SAMPLE LOCATION
 ○ FORMER DISPOSAL PIT BOUNDARIES BASED ON HISTORICAL AERIAL PHOTOS
 ○ ATS-3 SURFACE SEEP LOCATION
 — PROPERTY BOUNDARY

Page 139 of 188
 MJM Date 01/26/2012

GL 744/139
 Time 09:42:19



PROJECT MANAGER EC LEAD DESIGN PROF. BE PROJECT NUMBER M00975.0012		DEPARTMENT BE CHECKED BE TITLE F3-
DRAWN JG	DATE 9/27/09	FORMER NORTHEAST PIT AREA
FORMER NORTHEAST PIT IRAP		FORD/KINGSFORD SITE KINGSFORD, MICHIGAN
		
ARCADIS 1600 WEST WASHINGTON AVENUE ANN ARBOR, MI 48106-1500 TEL: 734/761-1600 FAX: 734/761-2884		NO. DATE REVISION DESCRIPTION BY/CHK

FILE NO.: GRAPHICS&SAFETY | DRAWING: MOD_D9.AI | CHECKED: KMLBNIK | APPROVED: | DRAFTER: ELS
PN: FORDW0637KINGSFOR

WORK AREA

① EQUIPMENT DROP

X — X — X — X — X — X — X — X — X HOTLINE

② GLOVES AND OUTER GARMENT (TYVEK) REMOVAL

CONTAMINATION CONTROL LINE

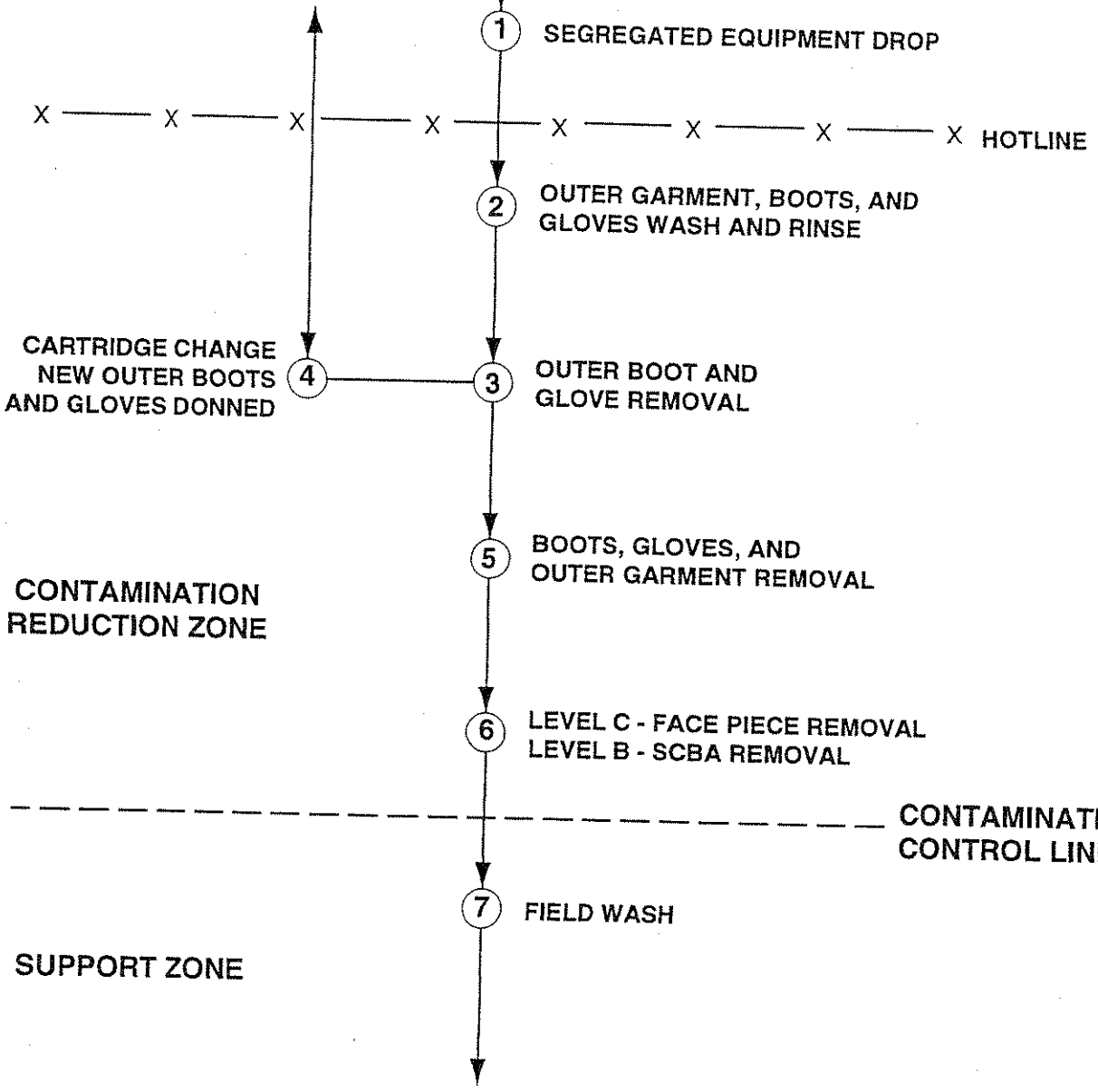


MINIMUM DECONTAMINATION LAYOUT
LEVEL D PROTECTION

FORMER NORTHEAST PIT IRAP
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE
F6-1

EXCLUSION ZONE



Page 141 of 188
IMJ Date 01/26/2012

GL 744/141
Time 09:42:19



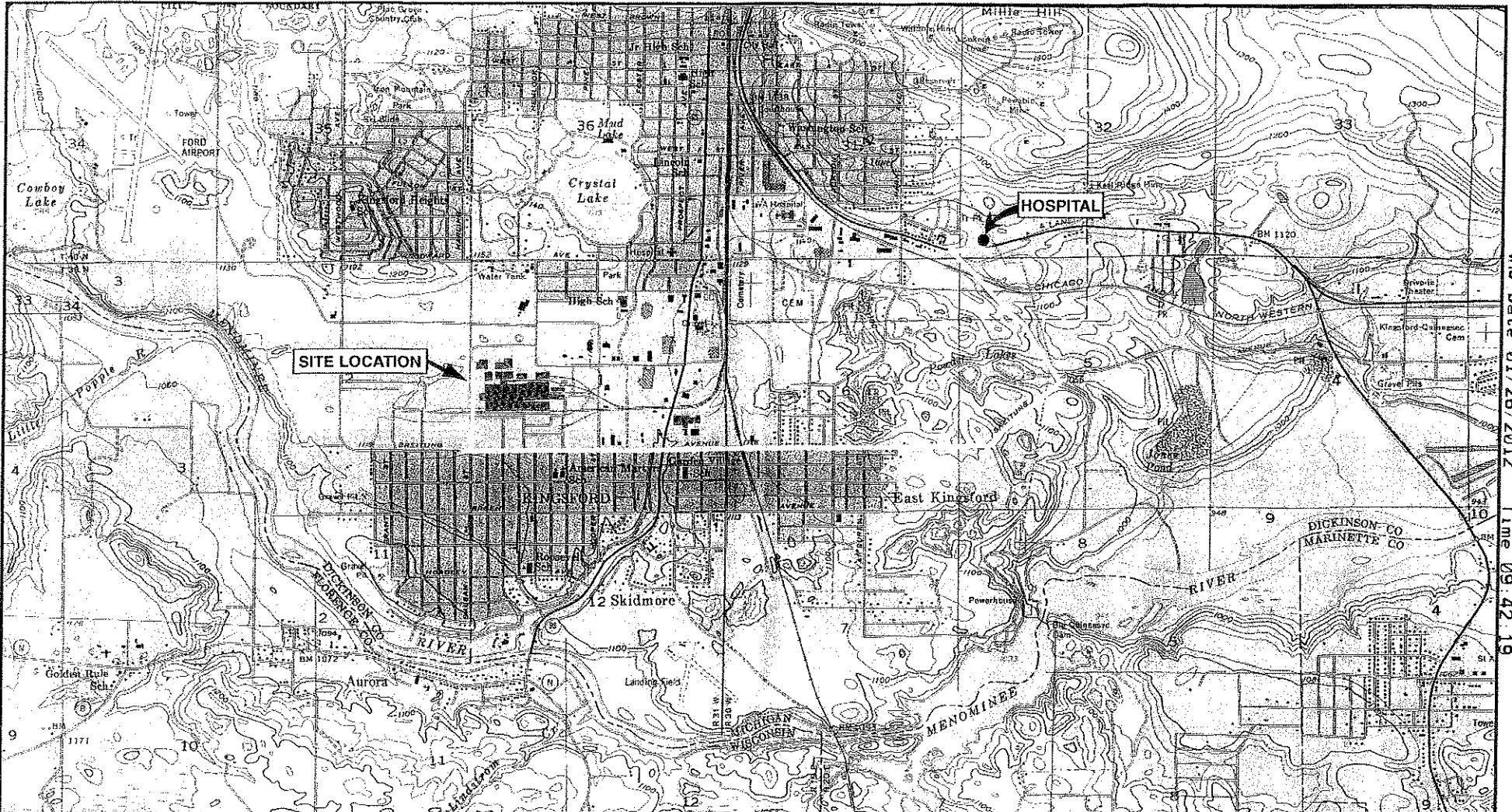
**MINIMUM DECONTAMINATION LAYOUT
LEVEL C AND LEVEL B PROTECTION**

FORMER NORTHEAST PIT IRAP
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE

F6-2

DWG DATE: 04JAN02 | P#: FORDW0937KINGSFORD | FILE NO.: GRAPHICSAFETY | DRAWING: ROUTE_HOSPITAL | CHECKED: KMLBWK | APPROVED: | DRAFTER: ELS



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICH.-WIS. Quadrangle, 1955, Photorevised 1982

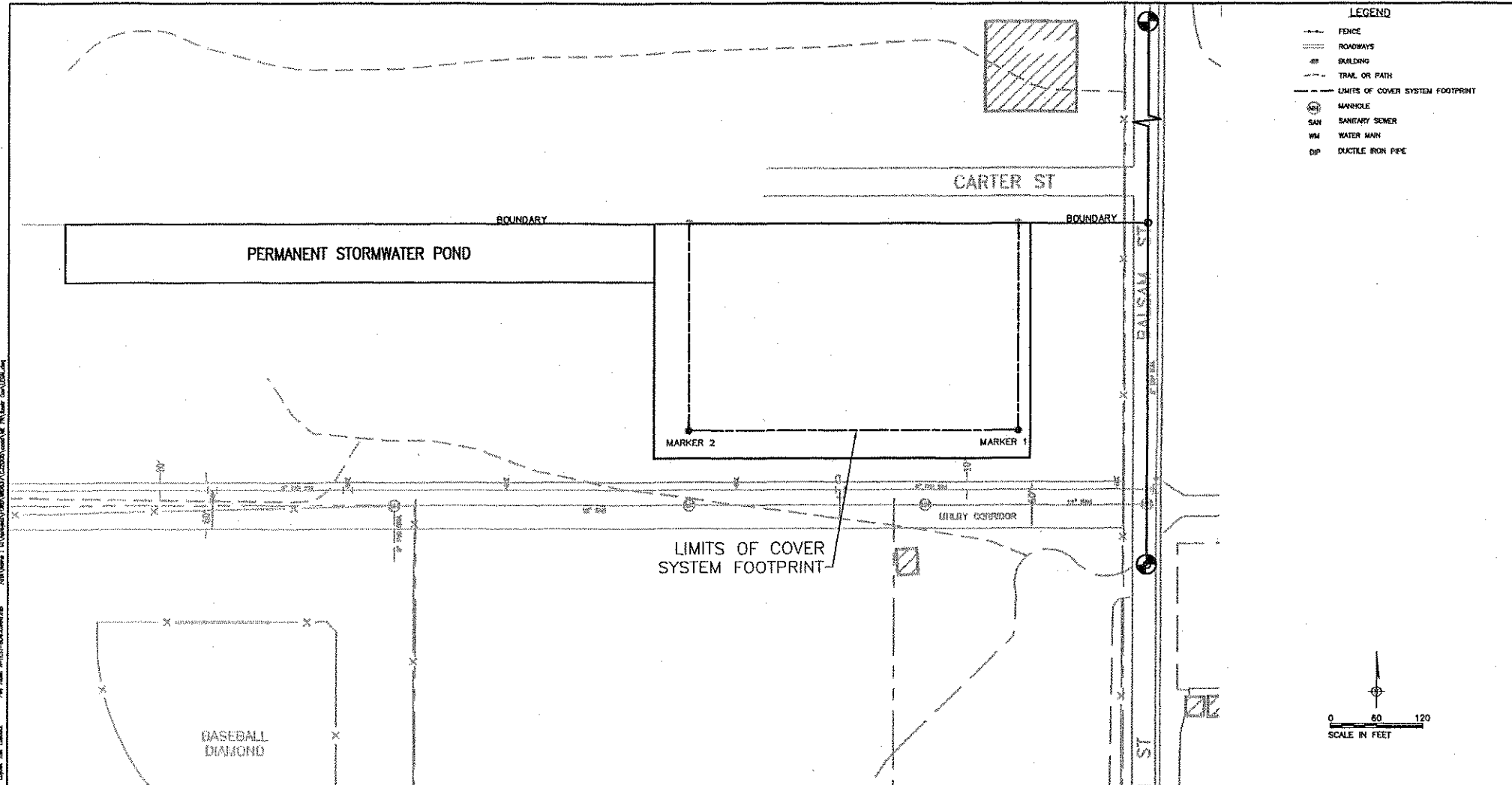
Route to Hospital: Balsam Street south to Breitung Avenue. East on Breitung Avenue to Hydraulic Falls Road. North on Hydraulic Falls Road to U.S. Highway 2 (Stephenson Avenue). South on U.S. Highway 2 to Dickinson County Memorial Hospital.

Hospital Address: 1721 Stephenson Avenue, Iron Mountain, Michigan.



	ROUTE TO HOSPITAL	FIGURE F10-1
	FORMER NORTHEAST PIT IRAP FORD/KINGSFORD SITE KINGSFORD, MICHIGAN	

age 142 of 188
IMJ Date 01/26/2012 Time 09:42:19
GL 744/142



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 Project: Former Northeast Pit
 Date: 09/12/02
 Drawn by: RS
 Checked by: AV
 Project Number: W00950.0013

NO.	DATE	REVISION DESCRIPTION	BY
			Oct

ARCADIS

3903 Northpark Boulevard, Suite 100
 Grand Rapids, MI 49508
 Tel: 616/961-1800 Fax: 616/284-3400



FORMER NORTHEAST PIT
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

DRAWN MO	DATE 09/12/02	PROJECT MANAGER RS	DEPARTMENT MANAGER JB
MAP OF PROPERTY AND COVER SYSTEM FOOTPRINT		LEAD DESIGN PROF. BZ	CHECKED AV
		PROJECT NUMBER W00950.0013	FIGURE 1

EXHIBIT F

OPERATION AND MAINTENANCE PLAN FOR THE PROPERTY



Imagine the result

Operation and Maintenance (O&M) Plan

**Former Northeast Pit
Kingsford, Michigan**

**Prepared for:
Ford - Kingsford Products Facility**

Introduction	1
Objectives	1
Site Background	2
Performance and Compliance Monitoring Plan	2
Inspection	3
Erosion Prevention	3
Settlement Detection Monitoring	4
Cover System Effectiveness	4
Site Security	4
Maintenance Schedule	5
Contingency Plan	5
Contingency Plan – Response	5
Contingency Plan - Procedures	6
Identification of Hazardous Material and Assessment of Possible Hazards	6
Assessment and Control Procedures	6
Reporting Requirements	6
Records Retainage	6
O&M Records	6
Reporting	7

Table

- | | |
|---|---|
| 1 | Cover System Inspection Activities, Fomer Northeast Pit, Ford-Kingsford Products Facility, Kingsford, Michigan. |
|---|---|

Figures

- | | |
|---|---|
| 1 | Site Location Map, Former Northeast Pit, Ford-Kingsford Products Facility, Kingsford, Michigan. |
| 2 | Site Details, Former Northeast Pit, Ford-Kingsford Products Facility, Kingsford, Michigan. |

Appendix

- A Example Inspection Forms

Introduction

This Operation and Maintenance (O&M) Plan has been prepared for the former Northeast Pit (NE Pit) portion of the Ford – Kingsford Products Facility in Kingsford, Michigan (Figures 1 and 2). The O&M Plan describes the strategy for maintaining the post-closure integrity of the cover system implemented in accordance with the response activities for the NE pit. O&M activities are essential for preservation of the cover system response action.

The NE Pit cover system consists of consolidated waste material covered by impacted and non-impacted soil, two high-density polyethylene liners and a geocomposite drainage layer. A protective soil layer is above the geocomposite drainage layer, followed by an asphalt layer at surface level. The cover system is approximately 5 acres in size. Another component of the cover system is a passive venting system to route methane, that may otherwise accumulate below the cover, to the atmosphere. Methane production is a potential by-product of degradation of site constituents present in waste material below the liner.

This O&M plan may be revised as necessary to comply with the Remedial Action Plan objectives. The revisions will not change the overall purpose or intent of the O&M plan and will thus, not require a revised plan to be recorded with the Dickinson County Register of Deeds. Nor will revisions to this O&M plan approved by the Michigan Department of Environmental Quality (MDEQ) be considered RAP revisions pursuant to the Consent Judgment.

Objectives

The objective of this O&M Plan is to describe procedures for maintenance and monitoring of the cover system at the former NE Pit. This O&M Plan is prepared to guide field personnel through maintenance procedures for the cover system to maximize effectiveness of the system. Implementation of the O&M Plan will assist in protection of human health and the environment by achieving the following objectives:

- Verify that the cover system is in good condition and functioning as intended in the area that is subject to the restrictive covenant.
- Inspect and document that the restrictive covenant is implemented and observed. These restrictions include:

- Limit land use to commercial or industrial.
- Maintain the cover system and verify that any settling or subsidence does not affect integrity of the cover system.
- Prohibit excavation or penetration through the existing cover system.
- Minimize migration of liquids through remaining waste material.
- Promote drainage and minimize erosion or abrasion of the cover system.
- Verify that the methane venting system is functioning as designed.

Elements of this O&M Plan address the following:

- Site Background.
- Performance and Compliance Monitoring Program.
- Contingency Plan.
- Reporting Requirements.

Site Background

The NE Pit is approximately 35-feet deep and 3 acres in size, located in the City of Kingsford, Dickinson County, Michigan as illustrated on Figure 1. An IRAP was developed to address impacts to the soil and groundwater at the NE Pit, which resulted in the selection of the cover system described above as a response action. The primary focus of the response action is to prevent direct contact with impacted soil/waste material, and to minimize groundwater infiltration to prevent potential leaching of waste constituents.

Performance and Compliance Monitoring Plan

Routine care is required to maintain the integrity of the cover system. Performance and compliance monitoring provides a way to verify that the cover is performing satisfactorily, and is in compliance with regulatory requirements. On-site care will include visual inspection of the site to identify disruptions of the surface cover,

monitoring for settlement, maintenance of the final cover depending on the results of inspection, inspection of site permanent markers, and erosion control and prevention. These topics are discussed in further detail in the subsequent sections.

Inspection

On-site inspections will be conducted to document the activities identified in this O&M Plan. Inspection forms will be used to record findings, unusual conditions, and corrective action(s) taken. Examples of the inspection forms are included in Attachment A. These inspection forms may change in format; however, the substance will remain the same. Conditions requiring corrective action will be rectified, and the repair will be documented on a Corrective Action Form. Table 1 summarizes the specific post-closure activities and frequencies. Records of corrective actions will be maintained in the site files.

Erosion Prevention

The final cover system layer has been designed to promote run-off of precipitation, to eliminate ponding on or around the cover system, and to minimize run-on from the adjacent property. Areas surrounding the cover system are vegetated or rip-rapped to prevent erosion at the cover system edges. The cover system outfall and retention basin will be kept clear of debris or overgrown vegetation that may inhibit or block the flow of run-off. Inspections may also be conducted after extreme weather events (e.g., tornadoes, 10-year/24-hour precipitation events).

Inspections of the final cover system and cover system perimeter will include, but not be limited to the following: obstructions to flow; erosion; excessive siltation or debris accumulations; inadequate vegetation; and loose or missing rip-rap. Should any vegetated area show significant washout or gulying (greater than 4 inches), the eroded area will be filled when the weather conditions permit or within 30 days, whichever occurs first. If results of the inspection indicate that any drainage patterns have changed resulting in ponding or excessive run-off, the affected area will be appropriately repaired to re-establish correct flow direction.

Accumulated sediment in the drainage system will be removed when its depth restricts flow. If more than 20 percent of the vegetated perimeter is devoid of vegetation, the area will be re-vegetated as weather conditions permit. Steps will be taken to ensure that drainage pathways are maintained throughout the post-closure period. During inspection, any tree or scrub brush seedling that is present at the vegetated perimeter

will be removed to prevent potential deep root growth that might compromise the integrity of the cover system. Baiting for rodents and treating for burrowing animals will also be administered, if the need is observed during inspection.

Settlement Detection Monitoring

Inspection for excessive settlement will be performed annually by visually inspecting the cover system. Should inspection indicate that damage or disturbance has occurred to the cover system, surveying of the elevations of the constructed settlement markers will be conducted to check the benchmark or settlement marker accuracy. Surveyed settlement elevations will be used to calculate the vertical change compared with an established benchmark. An inspection of the benchmark and settlement markers will be performed annually to assess their integrity, or if there is evidence of damage. All surveying will be performed by a Michigan Registered Land Surveyor, and the survey activities will be documented. If the vertical movement of the settlement markers exceeds the allowable amount (to be dictated by the cover design), an assessment will be completed and corrective action implemented.

Cover System Effectiveness

Groundwater sampling will be performed as part of the compliance monitoring plan for the NE Pit response action. This sampling will be performed annually at Monitoring Well GM-72A (in accordance with the Monitoring Target Compound List), which will be designated as the compliance well. Constituent concentration trends at Monitoring Well GM-72A will be evaluated to judge cover system performance.

Site Security

Signage will be posted identifying the site and response action by name. Inspection of the signage is included in the inspection activities and on the documentation forms. These inspections will include checking for damage to posts and signs. If deficiencies are noted, corrective actions will be implemented to restore original conditions, or as necessary, to function as first designed.

It is possible that the cover system could be used for materials storage by a third party. If this is the case, then workers will be instructed regarding the cover system, the methane venting system, and the allowable types of activities and equipment at the site. This instruction will be documented.

Maintenance Schedule

Site inspections will be conducted annually. Active maintenance will be performed as necessary based on the observations reported during routine inspections of the cover system. If there is rapid grass growth in areas surrounding the cover system, regularly scheduled mowing may be necessary.

Contingency Plan

In the unlikely event that it is determined that the cover system has failed, specific actions are necessary. This section provides direction regarding this potential, and is organized into two sections: Contingency Plan – Response and Contingency Plan – Procedures.

Contingency Plan – Response

Potential incidents that might require a contingency plan response include 1) displacement or exposure of waste material, and 2) fire/explosion.

Waste material at the NE Pit is comprised of material placed under the cover system liner including wood, tar-like waste, impacted soil, wood chips, and charcoal. Spontaneous failure of the cover system with displacement of material to the surface is highly unlikely. The cover system will be completed at grade, and there are no slopes that might become unstable. Use of a liner material will maintain the consolidation of waste material at a distance well below the land surface. Proper construction with uniform loading across the cover system will prevent localized liner seam failure. The soil and consolidated waste material do not present a fire hazard. The soil does not contain concentrations of combustible material sufficient to ignite, and the waste material below the geotextile liner will not be exposed to an ignition source. However, if confined enough to concentrate, the methane gas potentially produced by degradation of the waste material could ignite, if an ignition source would be present. The methane venting system will route any methane produced to the atmosphere, where it can be safely dissipated.

Restoration activities will be performed in accordance with the Waste Management Plan and Construction Health and Safety Plan that are incorporated into the restrictive covenant. Additionally, dust suppression activities will be implemented, if necessary, to mitigate dust generation. Site workers will be trained and equipped with Personal Protective Equipment to prevent direct contact with the waste/fill.

Contingency Plan - Procedures

Should there be physical or analytical evidence that the cover system has failed, a determination will be made of the potential threat to public health and the environment. Actions needed to address the cover system failure will be taken. In any instance of cover system failure, waste exposure, fire, or explosion, the MDEQ will be notified. The time, date, and details of any incident that requires emergency response implementation will be noted in the site log book.

Identification of Hazardous Material and Assessment of Possible Hazards

The hazardous materials that could potentially be exposed are impacted soil and waste material, and possible leachate generated by surface water infiltration in contact with these materials. The possible hazards associated with the materials listed above are minimal, but include risks from ingestion and dermal contact.

Assessment and Control Procedures

In the unusual event of an incident, the appropriate containment procedures and repairs would be implemented, and the following steps will be taken:

- Sample and analyze potentially impacted soil, surface water, or sediments.
- Evaluate the data to determine whether constituents are creating exposure above applicable risk-based standards.

Reporting Requirements

Records Retainage

Records will be maintained for a minimum of 5 years after completion of any O&M activities.

O&M Records

O&M activities for the cover system will be recorded in the appropriate logbook or project database. Notations will be made when the cover system is inspected and maintained, engineering measurements are taken, and when corrective measures are implemented. As indicated, inspection forms are included in Attachment A of this

report. Corrective action measures and re-inspection forms will be completed during the period that the corrective measures take place.

Reporting

O&M reports will be prepared annually that will include at a minimum: a discussion of the cover system monitoring activities performed during the reporting period; sampling results and cover system performance evaluation; maintenance performed that is other than preventative maintenance; key personnel changes; and coordination activities. Any proposed modifications to the configuration or operation of the cover system will be included.

ARCADIS

Table 1. Cover System Inspection Activities, Former Northeast Pit, Ford-Kingsford Products Facility, Kingsford, Michigan.

Item	Types of Problems	Frequency of Inspection	Circumstance or Trigger Level (if applicable)	Corrective Action
Benchmark	Integrity of benchmark	Annually	Evidence of damage or movement	Repair or replace benchmark
Settlement Markers	Excessive settlement, subsidence	Annually	Vertical movement of the settlement markers exceed design directed allowance	Evaluate cause of settlement. Prepare and implement corrective action
Cover	Slumping, cracking, damage, or buckling	Annually	Visual evidence of discontinuity of surface - by way of depressions or cracks	Evaluate, prepare, and implement corrective action
	Softening or deteriorating of cover	Annually	Visual evidence	Evaluate, prepare, and implement corrective action
	Presence of materials	Annually	Visual evidence	Clean
	Rodents and burrowing animals	Annually	Evidence of rodents or burrowing animals	Remove animals by acceptable means
Cover Perimeter Outlet/Drainage System	Excessive growth at cover perimeter (mowing required)	Annually	Evidence of excessive growth which hinders visual inspection of cover	Mow vegetation
	Tree and scrub oak seedlings or other deep-rooted vegetation	Annually	Evidence of growth	Remove unwanted vegetation

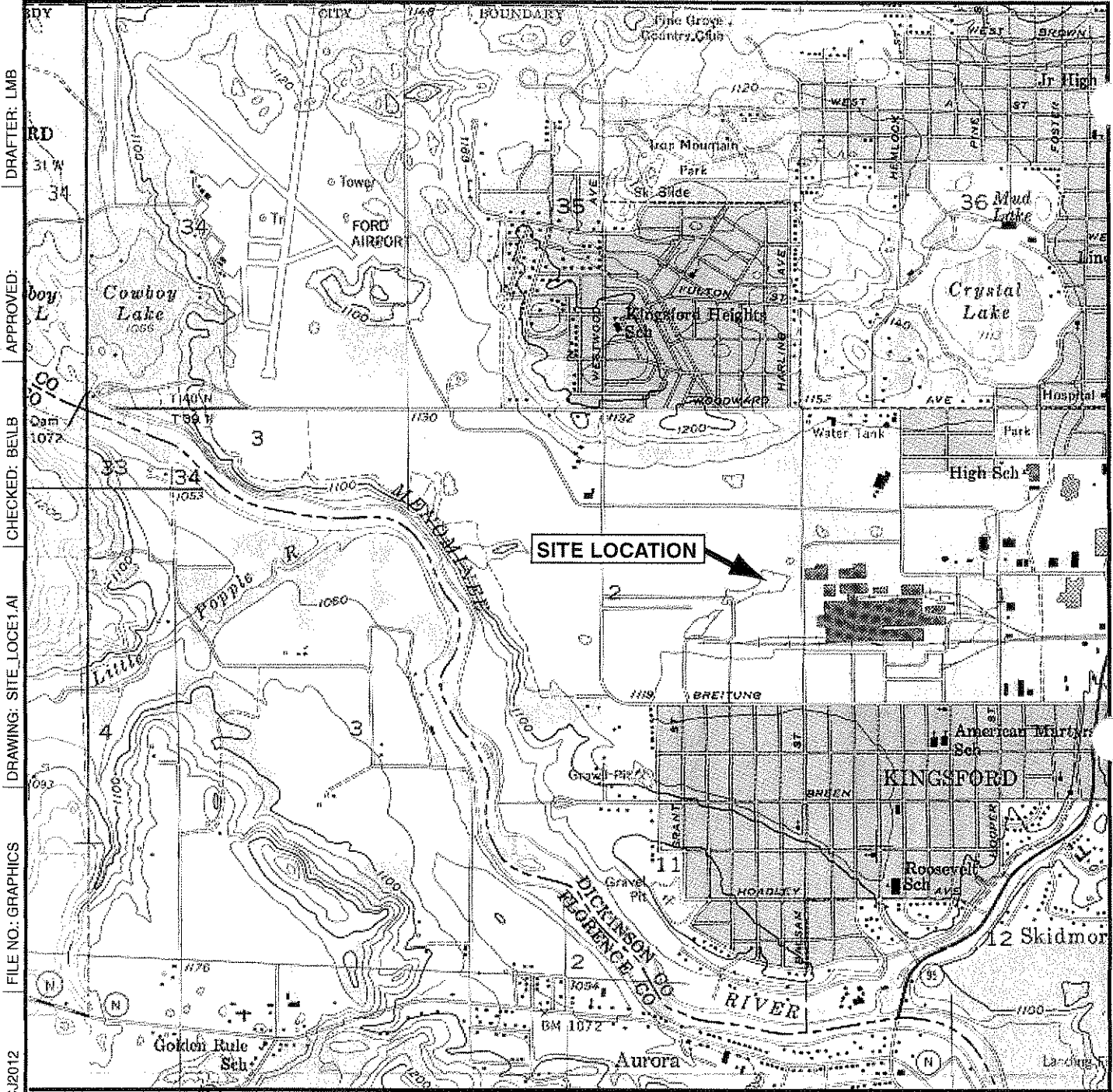
Page 155 of 188
 MJ Date 01/26/2012
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ARCADIS

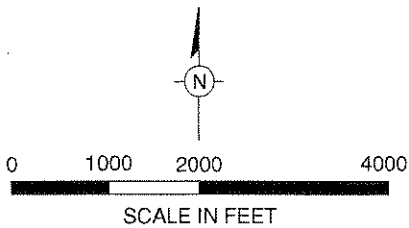
Table 1. Cover System Inspection Activities, Former Northeast Pit, Ford-Kingsford Products Facility, Kingsford, Michigan.

Item	Types of Problems	Frequency of Inspection	Circumstance or Trigger Level (if applicable)	Corrective Action
	Erosion, obstructions to flow, deterioration, excessive siltation, inadequate protective vegetation, loose or missing riprap	Annually and after extreme weather events	Any obstructions to flow; silt buildup in excess of 50% of design freeboard; greater than 20% of area devoid of vegetation	Remove obstruction and/or silt. Revegetate as required
	Standing water on asphalt cover	Annually	Visual evidence of water or softening asphalt	Evaluate, prepare, and implement corrective action
Methane Venting System	Integrity of venting system	Annually	Visual evidence	Evaluate, prepare, and implement corrective action
Methane Venting System (continued)	Vegetative overgrowth or obstruction	Annually	Visual observance	Mow/Remove
Groundwater Compliance Monitoring	Leachate formation	Annually	Concentration trends for signature compounds are increasing	Implement Contingency Plan and Corrective Measures
Signage	Damaged, illegible	Annually	Impacted by construction or vandalism	Replace Signs

Page 156 of 188
 MJ Date 01/26/2012
 GL 744/156
 Time 09:42:19

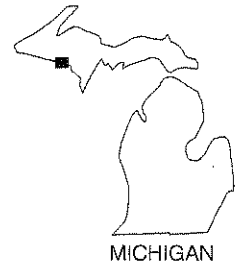


SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982



Page 157 of 188
 MJM Date 01/26/2012

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 Time 09:42:19



DRAFT: LMB
 APPROVED:
 CHECKED: BELB
 DRAWING: SITE_LOCE1.AI
 FILE NO.: GRAPHICS
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 DWG DATE: 20JAN11

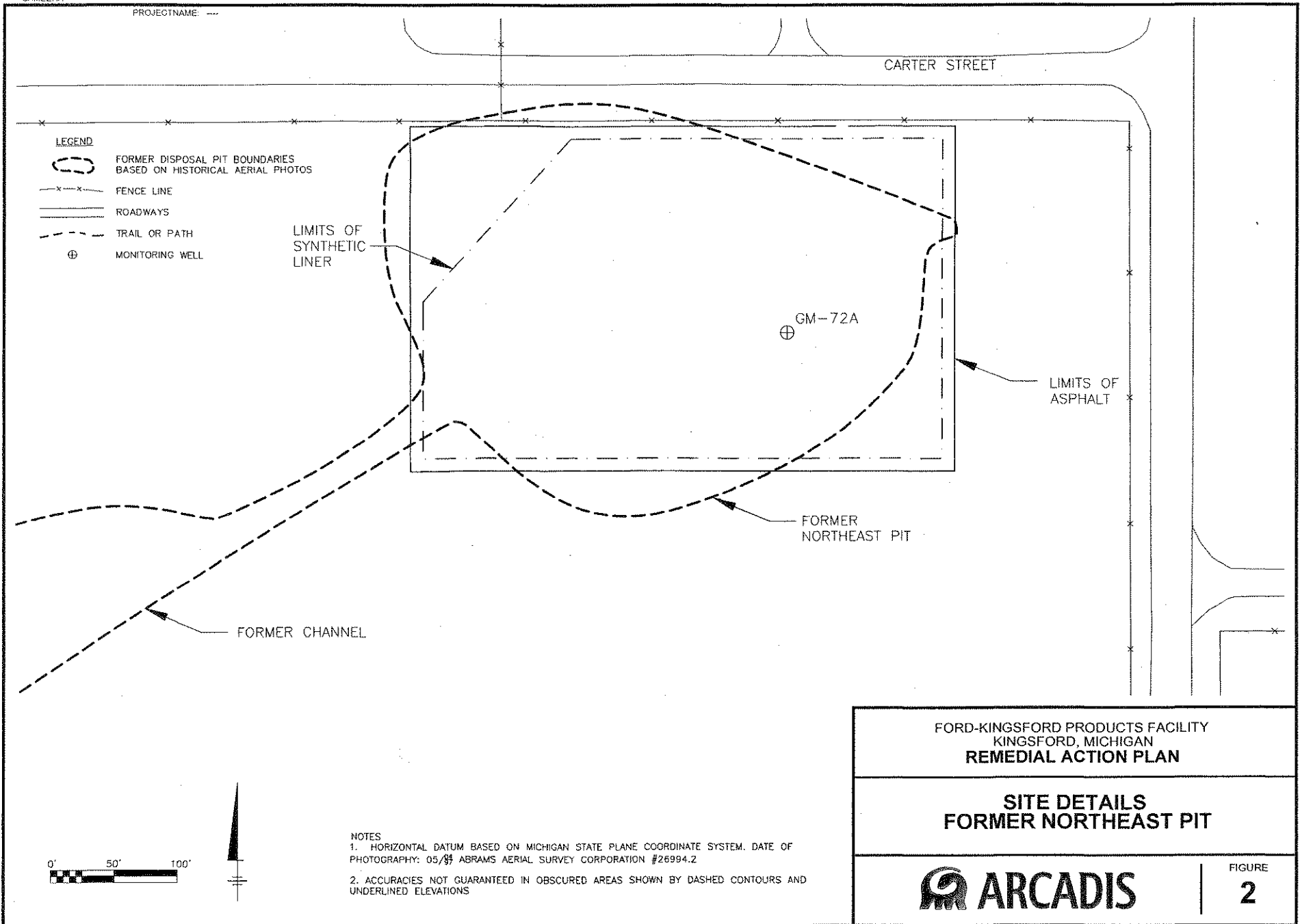


SITE LOCATION MAP

FORMER NORTHEAST PIT
 FORD-KINGSFORD PRODUCTS FACILITY
 KINGSFORD, MICHIGAN

FIGURE

1





Appendix A

Example Inspection Forms

ARCADIS

**Operation and Maintenance Inspection Form
Former North East Pit Cover System
Ford - Kingsford Products Facility**

Date of Inspection: _____
Inspector's Name: _____
Inspector's Affiliation: _____
Time of Inspection: _____

Inspection Checklist

(All Yes responses require an explanation and the attachment of a Corrective Action Form or Performance of Routing Maintenance.)

Evidence of damage or disturbance to Settlement Markers (Yes response will require the attachment of the Settlement and Movement Inspection Form in addition to the Corrective Action Form). No Yes

Explanation: _____

Evidence of breach, severe corrosion, or damage to the site perimeter fence. Was the gate unlocked or in-operable. No Yes

Explanation: _____

Permanent Markers damaged, not visible, or not legible. No Yes

Explanation: _____

Evidence of heaving or subsidence of the asphalt cover resulting in uneven surfaces, cracks, breaks or crumbling of the asphalt. No Yes

Explanation: _____

Signs of excessive erosion of cover or vegetative perimeter. No Yes

Explanation: _____

Date of Inspection: _____
Inspectors Name: _____
Inspectors Affiliation: _____
Time of Inspection: _____

Inspection Checklist

(All Yes responses require an explanation and the attachment of a Corrective Action Form or Performance of Routing Maintenance.)

Signs of burrowing animals, or deep rooted woody plants established on the cover or around the cover perimeter. **No** **Yes**

Explanation: _____

Stormwater conveyance structures and pond shows evidence of erosion, silt accumulation, or other deficiency which would inhibit proper operation. **No** **Yes**

Explanation: _____

Physical signs of settlement or subsidence of cover (Yes response requires attachment of the Movement Inspection Form in addition to the Corrective Action Form). **No** **Yes**

Explanation: _____

Settlement and Movement Inspection Form
Former Northeast Pit Cover System
Ford-Kingsford Products Facility

Date of Inspection: _____
 Inspectors Name: _____
 Inspectors Affiliation: _____
 Time of Inspection: _____
 Surveyor Contracted: _____

Survey the settlement markers and note their current elevations and placements to within + or - 0.01 foot using the benchmark elevation and placement

Location or Description of Marker: _____

	Elevation (ft)	Northing	Easting
Current Placement (CP)			
Established Placement (EP)			
Movement (M)			

Location or Description of Marker: _____

	Elevation (ft)	Northing	Easting
Current Placement (CP)			
Established Placement (EP)			
Movement (M)			

Location or Description of Marker: _____

	Elevation (ft)	Northing	Easting
Current Placement (CP)			
Established Placement (EP)			
Movement (M)			

Location or Description of Marker: _____

	Elevation (ft)	Northing	Easting
Current Placement (CP)			
Established Placement (EP)			
Movement (M)			

Calculate the Movement using the following formula:

$M = \text{abs}(CP - EP)$
 (where abs = absolute value)

ARCADIS

Corrective Action Form
Former Northeast Pit Cover System
Ford-Kingsford Products Facility

Date of Inspection: _____
Inspectors Name: _____
Inspectors Affiliation: _____

Corrective Action Work Order

Description of Problem: _____

Required Correction: _____

Assigned To: _____ Date: _____

Corrective Action Completion Report

Date Recieved: _____ Received by: _____
Completed On: _____
Comments: _____

Completed By: _____ Date: _____

Reinspection Report

Observations: _____

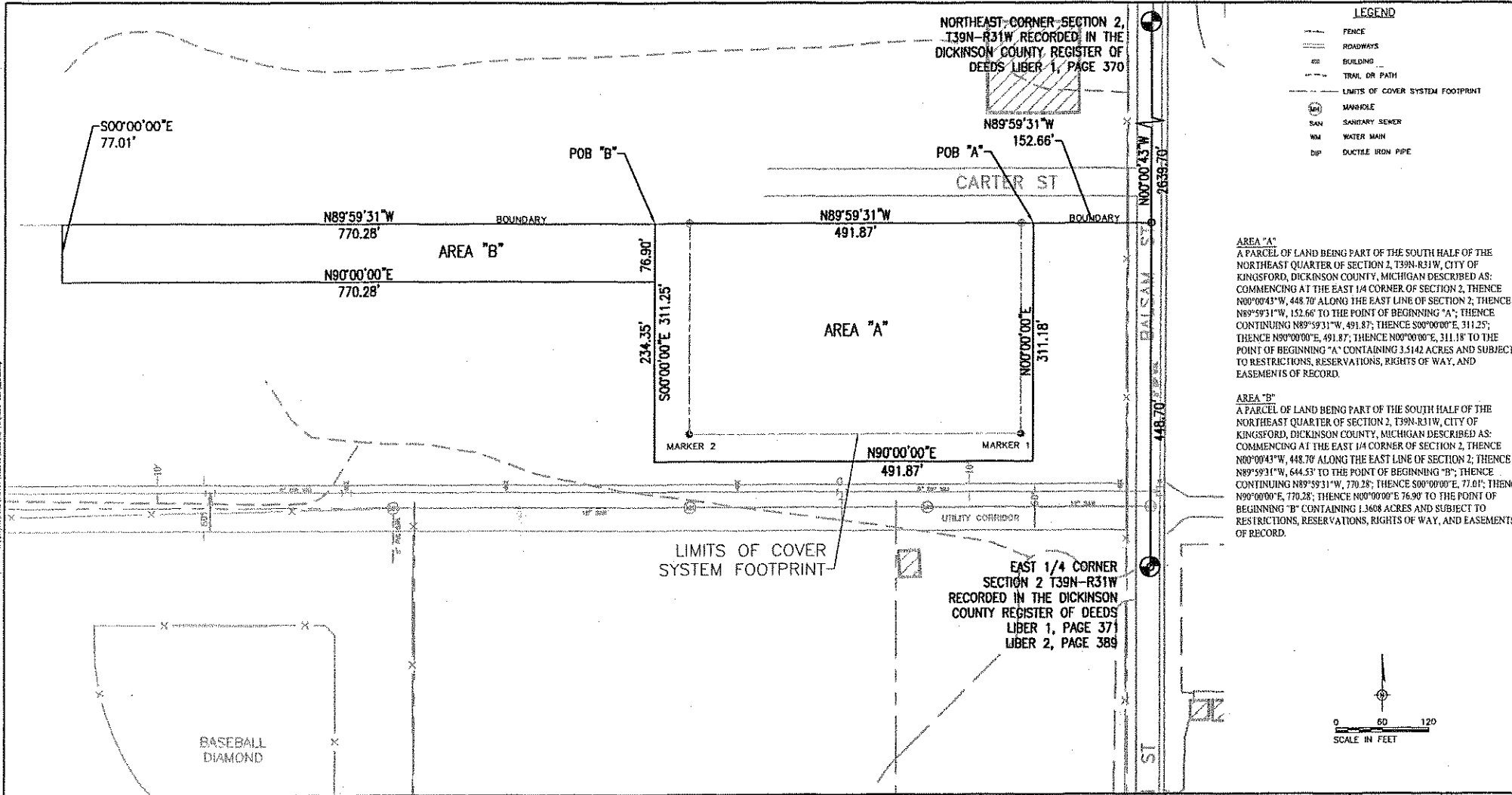
Comments: _____

Completed By: _____ Date: _____

EXHIBIT G

PERMANENT MARKER DETAILS

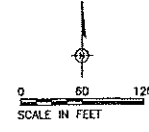
Page 164 of 188 GL 744/164
MJ Date 01/26/2012 Time 09:42:19



- LEGEND**
- FENCE
 - ROADWAYS
 - BUILDING
 - TRAIL OR PATH
 - LIMITS OF COVER SYSTEM FOOTPRINT
 - ⊙ MANHOLE
 - SANITARY SEWER
 - WATER MAIN
 - DUCTILE IRON PIPE

AREA "A"
 A PARCEL OF LAND BEING PART OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS: COMMENCING AT THE EAST 1/4 CORNER OF SECTION 2; THENCE N00°00'43"W, 448.70' ALONG THE EAST LINE OF SECTION 2; THENCE N89°59'31"W, 152.66' TO THE POINT OF BEGINNING "A"; THENCE CONTINUING N89°59'31"W, 491.87'; THENCE S00°00'00"E, 311.25'; THENCE N90°00'00"E, 491.87'; THENCE N00°00'00"E, 311.18' TO THE POINT OF BEGINNING "A" CONTAINING 3.5142 ACRES AND SUBJECT TO RESTRICTIONS, RESERVATIONS, RIGHTS OF WAY, AND EASEMENTS OF RECORD.

AREA "B"
 A PARCEL OF LAND BEING PART OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS: COMMENCING AT THE EAST 1/4 CORNER OF SECTION 2; THENCE N00°00'43"W, 448.70' ALONG THE EAST LINE OF SECTION 2; THENCE N89°59'31"W, 644.53' TO THE POINT OF BEGINNING "B"; THENCE CONTINUING N89°59'31"W, 770.28'; THENCE S00°00'00"E, 77.01'; THENCE N90°00'00"E, 770.28'; THENCE N00°00'00"E 76.90' TO THE POINT OF BEGINNING "B" CONTAINING 1.3608 ACRES AND SUBJECT TO RESTRICTIONS, RESERVATIONS, RIGHTS OF WAY, AND EASEMENTS OF RECORD.



Date Plotted: 01/26/2012
 Drawn: J. J. [unreadable]
 Checked: [unreadable]
 Project: [unreadable]
 Client: [unreadable]
 Copyright © 2002

NO. DATE REVISION DESCRIPTION BY [] [] [] []	ARCADIS <small>3800 Westfield Commons, Suite 150 Tampa, Florida 33634 Tel: 813/641-1021 Fax: 813/284-3425</small>		FORMER NORTHEAST PIT FORD/KINGSFORD SITE KINGSFORD, MICHIGAN	DRAWN: MG DATE: 09/12/02	PROJECT MANAGER: RS LEAD DESIGN PROF.: BT PROJECT NUMBER: W00950.0013	DEPARTMENT MANA: JR CHECKED: AY FIGURE: A1
				LEGAL DESCRIPTION NE PIT COVER FOOTPRINT		

DRAWING: MARKER DESIGN-DIM.CDR | CHECKED: BZ | APPROVED: RS | DRAFTER: DKN/KME

DWG DATE: 10/MAR/05

PN: W10975/SW pit/markers/marker design-dimensions.cdr

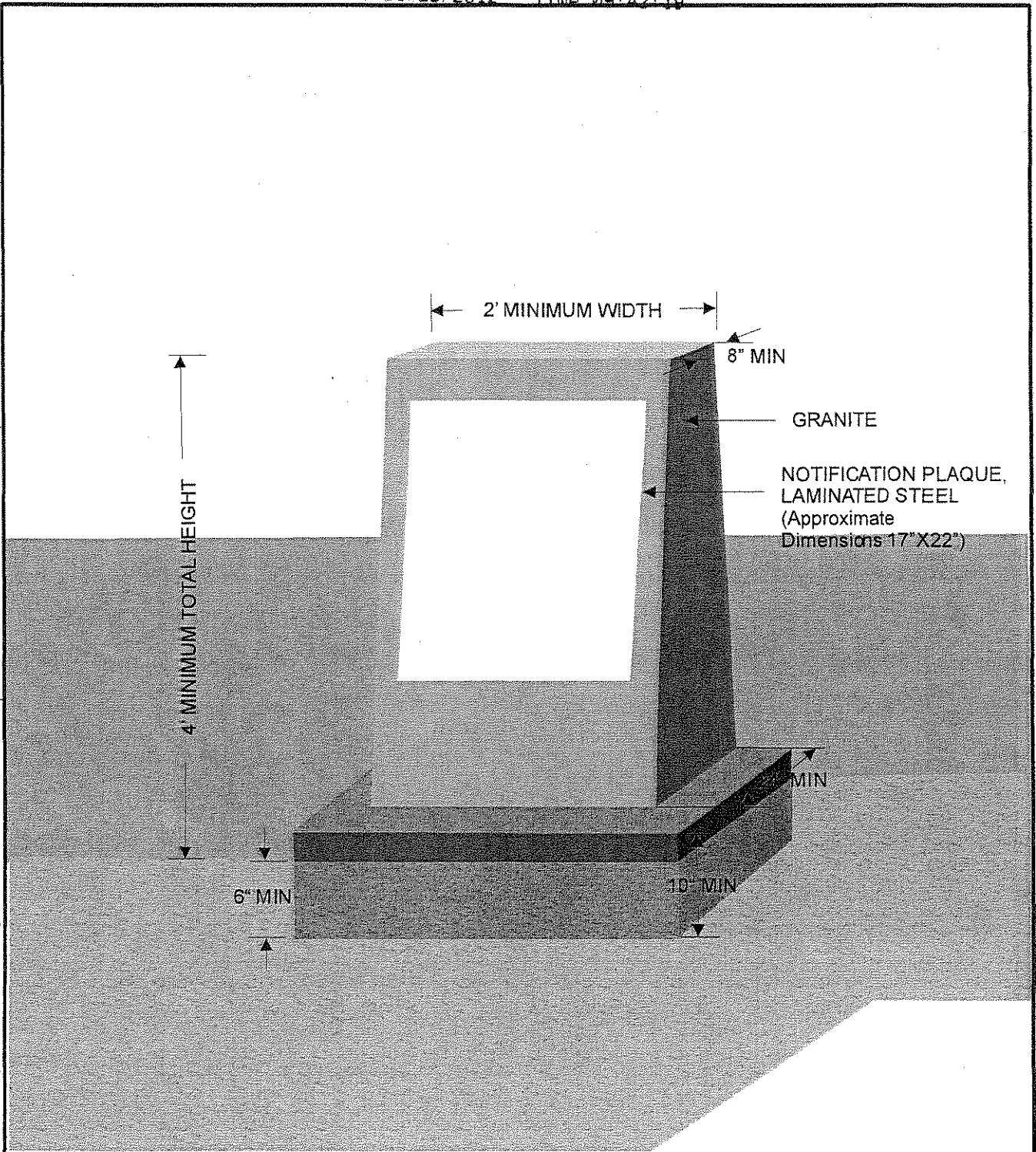
4' MINIMUM TOTAL HEIGHT

2' MINIMUM WIDTH

8" MIN

GRANITE

NOTIFICATION PLAQUE,
LAMINATED STEEL
(Approximate
Dimensions 17" X 22")



NOT TO SCALE

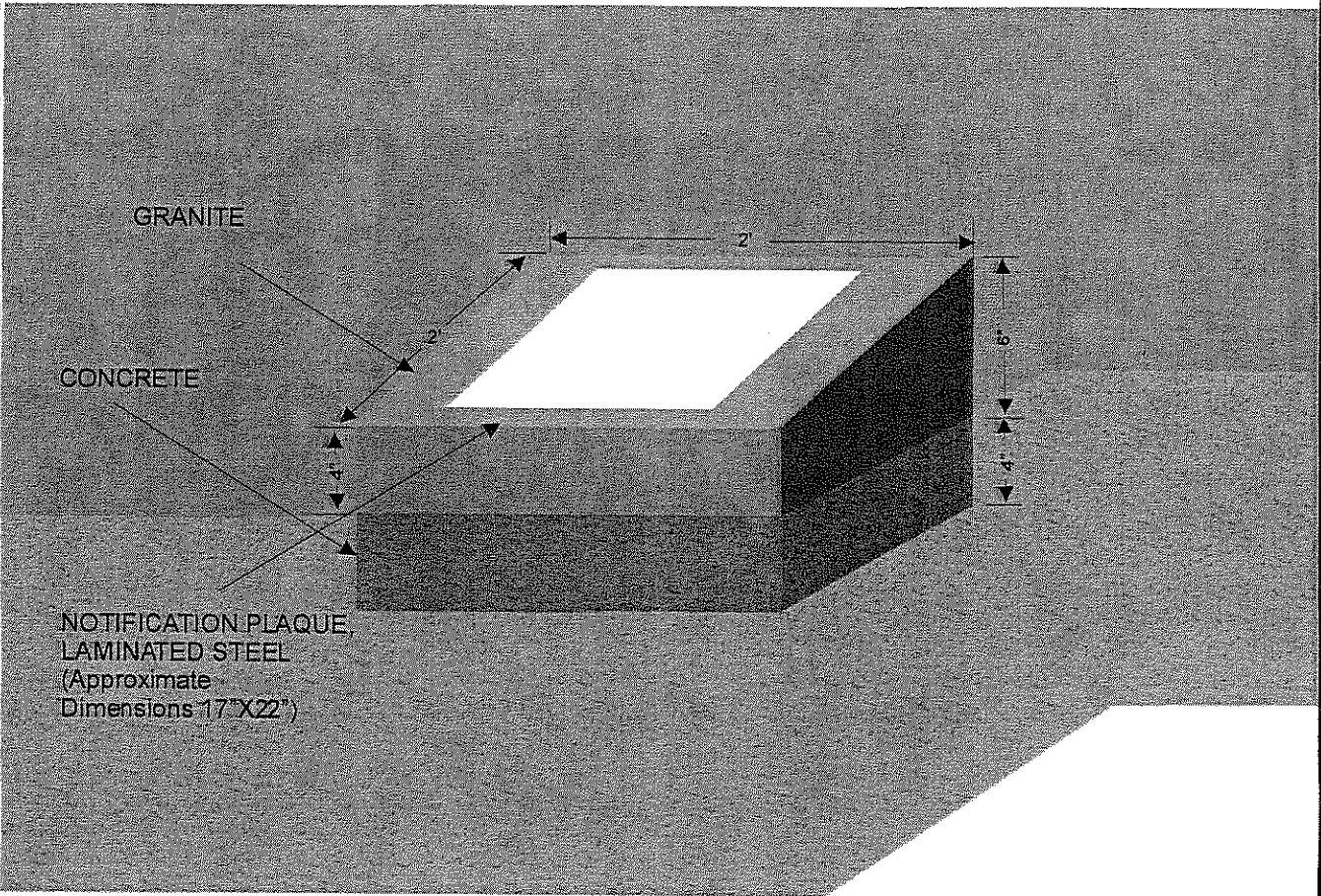


PERMANENT MARKER DESIGN

FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE

2



NOT TO SCALE

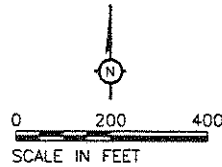
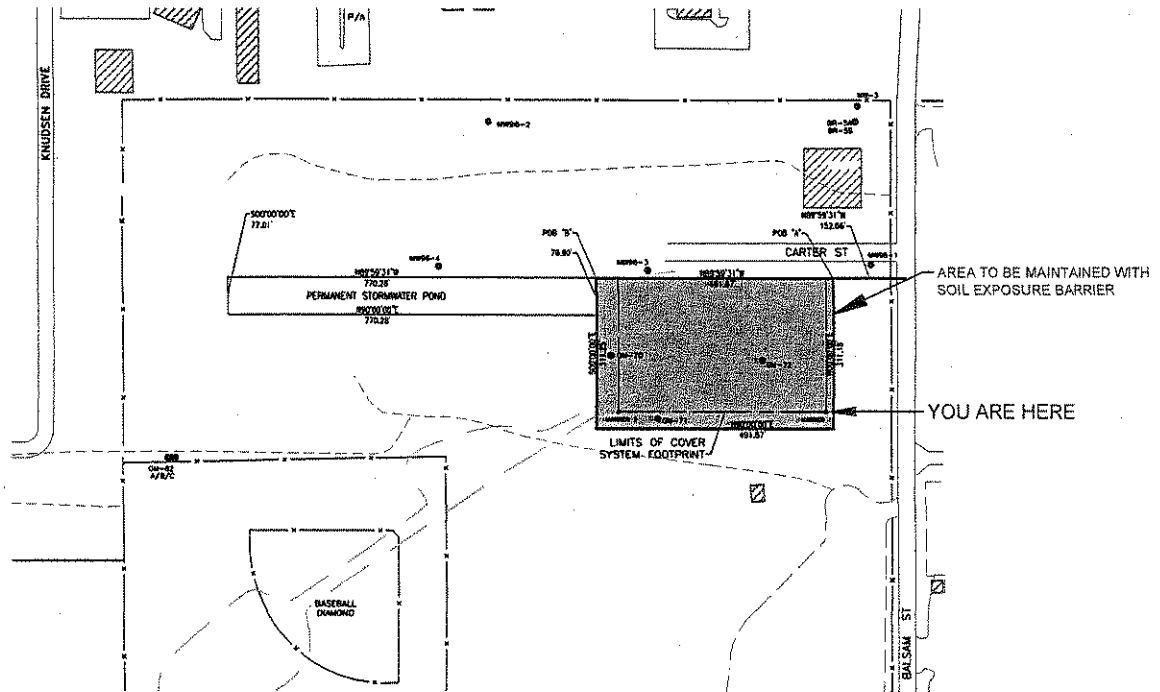


SMALL MARKER DESIGN

FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE

2A



NOTICE

Soil exposure barriers are in place in the areas identified above to prevent contact with underlying soils. Soil from these areas may not be relocated without further evaluation. Details about these property restrictions may be found at the Dickinson County Register of Deeds, Liber ___, Page ___.

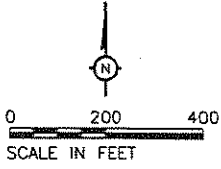
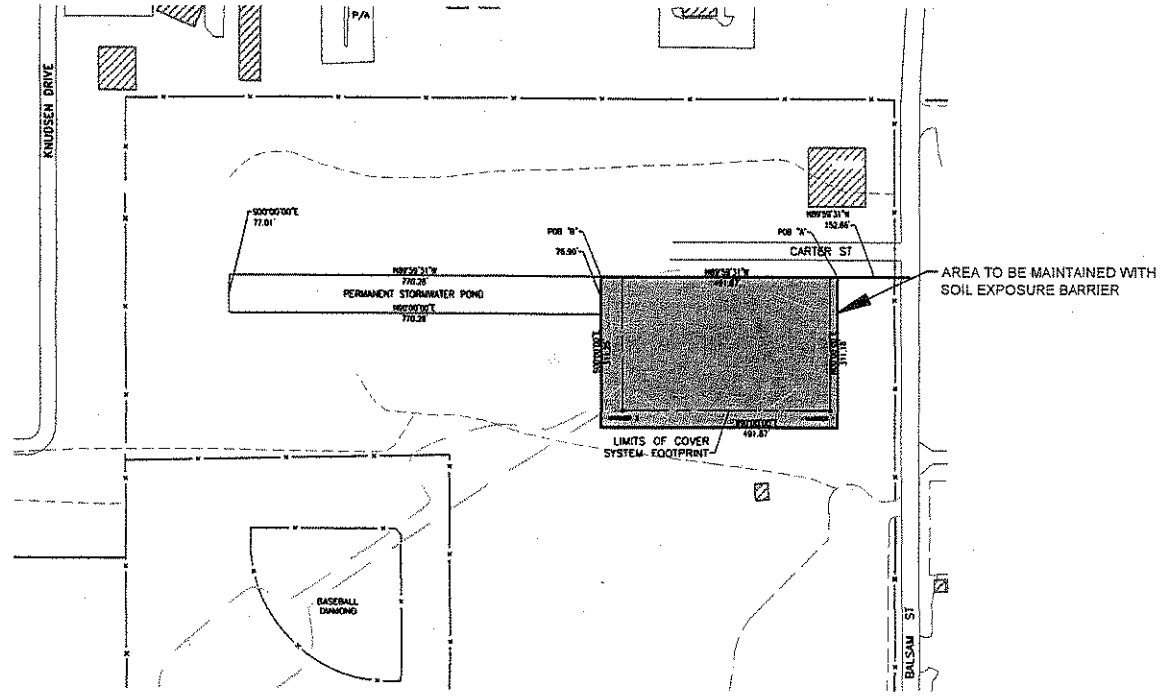
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PROJECT MANAGER M. MAIERLE	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
SHEET TITLE NOTIFICATION SIGN DISPLAY		TASK/PHASE NUMBER 0005.00001	DRAWN BY C. MCKEOUGH
FORD/KINGSFORD SITE KINGSFORD, MICHIGAN		PROJECT NUMBER W101075	DRAWING NUMBER 3

Page 169 of 188
 VMJ Date 01/26/2012
 User Name: emckrough
 Acad Version: R16.1s (US Tech)
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GL 744/169
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NOTICE

Soil exposure barriers are in place in the areas identified above to prevent contact with underlying soils. Soil from these areas may not be relocated without further evaluation. Details about these property restrictions may be found at the Dickinson County Register of Deeds, Liber __, Page __.



PROJECT MANAGER M. MAIERLE	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
SHEET TITLE NOTIFICATION SIGN DISPLAY		TASK/PHASE NUMBER 0005.00001	DRAWN BY C. MCKEOUGH
FORD/KINGSFORD SITE KINGSFORD, MICHIGAN		PROJECT NUMBER W101075	DRAWING NUMBER 3A

EXHIBIT H

GUIDELINES FOR VAPOR CONTROL SYSTEM INSTALLATION

Guidelines for Vapor Control System (VCS) Installation

(This document replaces the Guidelines for Vapor Control System Installation dated January 21, 2005)

1. General

The VCS is designed to provide protection to structures from the potential for the accumulation of methane from non-utility subsurface sources. This document provides general guidelines for the design and installation of a VCS, however the unique configuration of each home and the preferences of each homeowner may dictate deviations from this plan.

2. Standard Design of a VCS for Existing Structures

For existing structures with concrete floor slabs, the standard VCS design will consist of a 3-inch diameter polyvinyl chloride (PVC) pipe or equivalent, extending from just below the bottom of the concrete floor slab through a hole in the floor to the outside of the structure and terminating with a 4-inch wind turbine above the roof line of the structure. For existing structures with a crawl space or dirt floor, the standard design will include placement of a layer of polyethylene sheeting or equivalent across the crawl space or dirt floor and installation of the extraction piping beneath it. Alternative designs may be required based on site-specific conditions encountered during installations.

2.1 Gathering Information about the Structure

The first step for determining the design of the VCS is to create a floor map. The floor map should include at a minimum the following information

- The floor plan of the lowest level.
- The foundation type(s) and whether a concrete slab is present.
- The location of areas requiring sealing including cracks, pipe penetrations, plumbing rough-ins, sumps, open block cores, and baseboard drainage.

This information will be helpful in planning the routing of the VCS piping and identifying areas that will need to be sealed.

2.2 Backdrafting Check

Prior to VCS installation, test all combustion appliances for backdrafting to document pre-existing conditions. Testing is conducted by checking for flue gas spillage near the vent hood. High efficiency combustion appliances can be identified by the presence of PVC vent pipes and do not need to be checked for

backdrafting. If backdrafting is occurring, advise the owner of the situation. The necessary repairs should be completed by the owner prior to any VCS installation work.

2.3 VCS Design

Determine the preferred location for the extraction point(s) and piping considering the following factors:

1. Lowest level floor plan
 - a. When possible, choose a pipe routing that is out of the way and easily accessible.
 - b. When possible, choose an extraction point for each separate foundation. Each home addition will typically have a separate foundation.
 - c. The permeability of the soil under the slab and the size of a slab should also be considered in determining the number of extraction points that are installed. The approximate soil permeability may be determined by visually inspecting the soil removed from an extraction point during installation.
2. Exterior facade
 - a. Identify the best location to exit the structure with the pipe, and locate the extraction point(s) as near as possible to that location.
 - b. Avoid exiting the front of the structure with the piping.
 - c. Piping may be routed through an attached garage if there is no living space above the garage.
3. Termination point location (all of the following must be met):
 - a. Shall be above the eave of the roof.
 - b. Shall be at least 10 feet above ground level.
 - c. Shall be at least 2 feet above or 10 feet away from any windows or other openings into the structure.
 - d. Shall be at least 10 feet from any openings to adjacent buildings.

Discuss extraction point locations and pipe routing with homeowner and adjust the design as necessary. Document homeowner approval of the final design.

2.4 VCS Installation

Prior to conducting any drilling, perform an evaluation of the location of any sub-slab utilities. When drilling, drill just through the slab and no deeper to avoid impacting any potential unidentified utilities.

If any deviations from the homeowner approved design are found to be necessary during construction, obtain homeowner approval prior to proceeding with the deviation.

At the design extraction point location, drill a 3 ½ or 4 inch diameter hole. Remove all concrete dust from the opening.

Use a methane measuring instrument to monitor the extraction point opening created in the slab for the presence of methane. Record the instrument reading in the field notes.

Place the PVC piping into the extraction point to a depth no deeper than the bottom of the floor slab. Use polyurethane caulk to seal between the pipe and the concrete slab. If the extraction point is placed in a crawlspace, a piece of slotted piping or tubing (drain tile material may be used) may be attached to the end of the pipe to prevent the polyethylene membrane, to be placed over the piping, from blocking the pipe entrance. Slab-on-grade extraction points may be installed either through the slab from the interior of the structure or through the frost wall from the exterior of the structure. If no frost wall is present, the extraction point may be installed by extending the piping approximately 12 inches under the slab from the exterior.

All joints in the PVC piping shall be sealed using PVC cement. If multiple extraction points are used, all of the piping coming from the extraction points should combine at one main header pipe prior to exiting the structure when possible. All piping runs shall slope back towards the extraction points for potential condensate drainage. Label the interior piping.

When the extraction point is installed in a basement or crawl space, the piping may exit the basement at the level of the floor joists. Seal around the siding penetration with polyurethane caulk or equivalent. Attach the exterior piping to the side of the structure using pipe clamps. Penetrate through the roof, if necessary, and install flashing at this penetration. Attach the 4-inch wind turbine to a PVC coupling at the top of the piping with sheet metal screws. Paint exterior PVC piping to match the color of the home and provide ultraviolet protection.

The piping may also be installed from the basement, slab-on-grade, or crawlspace up through a first floor closet or pipe chase and exit through the roof or exit through an attached garage. When penetrating the garage wall or any other fire-rated walls, an intumescent material should be installed around the penetration per the manufacturer's requirements to maintain the fire rating of the wall.

All work shall be installed per all applicable code requirements.

3. Standard Design of a VCS for New Construction

For new structures that are being constructed with a concrete slab foundation (i.e. basement or slab-on-grade), the standard VCS design will consist of a soil vapor collection trench, permeable material layer, or vapor collection mat to be installed prior to pouring the floor slab. The piping within the trench or other collection layer will be connected to a 3-inch diameter PVC pipe or equivalent, extending to the outside of the structure and terminating with a 4-inch wind turbine above the roof line of the structure.

For new structures, or portions thereof, that are being constructed with a dirt floor foundation (i.e. crawlspace), the standard VCS design will include placement of a layer of polyethylene sheeting or

equivalent across the crawl space or dirt floor and installation of the extraction piping beneath it. Alternative designs may be required based on site-specific conditions encountered in the field during installations.

3.1 Definitions

1. Collection Trench: A vapor collection trench shall consist of a minimum cross sectional dimension of 12 by 12 inches excavated in the grade below the footprint of the building. The trench is filled with a 4-inch layer of pea gravel or coarse aggregate. Three or 4-inch perforated collection piping is then placed on the gravel, and the remainder of the trench is filled with gravel. The trench is then covered with a non-woven geotextile with a minimum weight of 6 ounces per square yard.
2. Continuous Permeable Layer: A vapor permeable layer constructed with a 4-inch minimum layer of coarse aggregate placed directly below the future slab. If interior footings are present, communication across the footings is achieved by incorporating risers set into each isolated portion of the footprint, or openings may be installed through the interior footing(s) to allow airflow from the entire footprint to reach the single riser.
3. Collection Mat: A vapor collection mat shall consist of a minimum 12-inch wide by 1-inch thick polystyrene, or equivalent material, that has been molded into a waffle pattern and covered in geotextile with a minimum weight of 6 ounces per square yard or equivalent as provided by the mat manufacturer.

3.2 Gathering Information about the Structure

Meet with building owner and/or builder to obtain planned dimensions and layout of the new structure. Find out if the following will be installed: interior drain tile, sump, gravel base, and the location of utilities under the slab. Coordinate with the building owner and/or builder to determine the preferred location for the riser piping to be installed.

3.3 VCS Design

1. A collection trench/mat will not be required when
 - a. The builder installs 3- or 4-inch perforated drain tile inside the footings of the structure. As long as no portion of the footprint of the structure is more than 25 feet from the drain tile, the existing drain tile can serve as the collection piping; or
 - b. A continuous permeable layer is installed.
2. If collection trench/mat is to be installed, determine the preferred routing such that no portion of the footprint of the structure is more than 25 feet from a collection trench/mat.
3. Determine the location where the riser piping will connect to the collection trench/mat, existing drain tile, or continuous permeable layer.

4. Determine the piping termination location to meet all of the following requirements:
 - a. Shall be above the eave of the roof.
 - b. Shall be at least 10 feet above ground level.
 - c. Shall be at least 2 feet above or 10 feet away from any windows or other openings into the structure.
 - d. Shall be at least 10 feet from any openings to adjacent buildings.

3.4 VCS Installation

When installing a collection trench, excavate the 12-inch deep by 12-inch wide collection trench. Fill trench with gravel and perforated pipe. Cover trench with non-woven geotextile. Attach 3-inch PVC riser piping to the perforated piping using sheet metal screws as necessary. Cap the riser piping.

When installing a collection mat, create a 1-inch deep by 12-inch wide depression for the vapor collection mat. Install collection mat and secure with landscape staples placed approximately every 3 feet. Attach 3-inch PVC riser piping to the collection mat adaptor using sheet metal screws as necessary. Cap the riser piping.

When the builder installs drain tile inside the footings of the structure, cut a tee into the existing drain tile and attach 3-inch PVC riser piping using sheet metal screws as necessary. Cap the riser piping.

When a gas permeable layer is constructed, set 3-inch PVC riser piping into the permeable layer. Set individual riser pipes into each area separated by an interior footing, or install one or more, minimum 3-inch diameter or equivalent, openings through each interior footing to allow air flow to the riser piping. Cap the riser piping.

In each of the above cases, after the slab has been poured remove the riser piping cap and monitor inside the pipe using a methane measuring instrument. Record the instrument reading in the field notes. If methane in soil vapor is found above 1.25 percent, the *Standard Contingent Venting Procedure* (attached) will be implemented, as appropriate.

If the structure has an attached garage, extend the riser piping to the level of the attached garage. Install collection trench or mat within the garage footprint and connect to riser piping. Extend riser piping up through roof, and install flashing at this penetration. All joints in the PVC piping shall be sealed using PVC cement. All PVC piping runs shall slope back towards the collection trench/mat for condensate drainage. Label the interior piping. Attach the 4-inch wind turbine to a PVC coupling at the top of the piping with sheet metal screws. Paint exterior PVC piping to provide ultraviolet protection. If piping penetrates any fire-rated wall, an intumescent material should be installed around the penetration per the manufacturer's requirements to maintain the fire rating of the wall.

4. Sealing Potential Vapor Intrusion Routes

Sealing of dirt floor crawlspaces and basements and cracks and openings in basement walls and floor slabs can reduce pathways for methane gas to enter the structure. The structure may be ventilated, if necessary, during sealing activities to prevent the buildup of vapors from the sealing materials.

4.1 Cracks/Opening

A polyurethane caulk should be used to seal cracks, expansion joints, perimeter joints, and openings around pipe penetrations that could allow vapors to enter the structure. Before sealing with caulk, remove debris and loose concrete from the area. Backer rod should be placed into cracks or openings larger than a half inch prior to applying caulk. Next, apply caulk and use a putty knife or other tool to create a seal to the sides of the opening. Mortar or concrete may be used to fill larger openings. Expandable foam may be used to fill the top of open block cores.

4.2 Sumps

Sumps should be sealed with a manufactured sump cover. A gasket or silicone caulk should be utilized to provide a seal around the sump cover. Silicone caulk should be used to allow the cover to be removed for sump maintenance. All penetrations through the cover should also be sealed with caulk or grommets.

If the sump contains a pedestal sump pump, the pump may need to be replaced with a standard sump pump or retrofitted with an alternate float, so that there are no moving parts penetrating the sump lid. If the sump serves as a floor drain for the structure, a water drain trap should be installed in the sump cover.

4.3 Drains

If there are any floor drains present that do not connect to the sewer, such as condensate drains, a drain seal should be installed. The drain seal will allow water to drain but will not allow any potential vapors to enter the structure. The drain seal should be sealed in place using polyurethane or silicone caulk.

If a basement has a baseboard drainage system, the integrity of that system should be maintained while providing the necessary sealing. This can be accomplished by placing backer rod of the appropriate diameter between the baseboard system and the walls. Then seal over the top of the backer rod with polyurethane caulk.

4.4 Crawl Spaces and Dirt Floor Basements

Where practical, a layer of polyethylene sheeting or equivalent should be placed across the floor of crawl spaces and dirt floor basements. Individual pieces of sheeting should be overlapped and sealed using polyurethane caulk and/or tape. The sheeting should be sealed against each wall using polyurethane or

equivalent caulk. Batten bars or wood strips and percussive nails or anchor bolts should also be used to attach the sheeting to the walls where possible. All penetrations through the sheeting should be sealed using polyurethane caulk and/or tape.

In areas that are utilized for storage or that are subject to foot traffic, the liner may be protected by installing closed cell foam padding and/or plywood over the top.

5. Inspection

Upon completion of VCS installation, the VCS will be inspected to ensure that the VCS meet the criteria in this document and any necessary corrections will be completed.

These procedures will be implemented in accordance with the Remedial Action Plan for the Ford-Kingsford Products Facility.



Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE

Standard Contingent Venting Procedures

(This document replaces the Standard Contingent Work Plan – Pressure Control Systems that was submitted to MDEQ on December 16, 2004)

1. General

The purpose of the Standard Contingent Venting Procedure is to present the procedures for evaluating and addressing locations in the Area of Concern (AOC) where methane gas in the vadose zone is detected at or above 1.25 percent by volume (hereafter referred to as methane) and the source of the gas is attributable to the historic Ford-Kingsford Products Facility.

2. Standard Procedures

If methane is detected at or above 1.25 percent by volume in the vadose zone within the AOC, Ford/KPC will proceed with the implementation of any necessary sections of this plan.

- As soon as practicable, confirm the discovery of methane.
- If applicable, the Emergency Response & Evacuation Procedures for Occupied Structures will be implemented where appropriate (Attachment 1).
- Within 24 hours of a newly confirmed discovery of methane, Ford/KPC will ensure that all adjacent property owners or tenants are contacted and offered a safety inspection of all above and below ground structures on the respective property (Attachment 2 – Building Inspection Procedure). In addition, the Michigan Department of Environmental Quality will be notified of the discovery.
- Within 72 hours of the confirmed discovery of methane, a plan will be developed for a site-specific soil investigation to delineate the extent of methane in the subsurface and to evaluate what type of control measure will be implemented. Elements of the investigation may include: (1) monitoring of nearby soil vapor probes, if present, for the presence of methane; (2) conducting a punch bar survey to determine if methane is present in the shallow subsurface and if so, to determine its lateral extent; (3) installation of a soil vapor probe/boring to determine the vertical extent of the methane in the deeper portions of the vadose zone, below depths reached by the punch bar survey; and (4) installation of soil vapor probes/borings to delineate the lateral extent of the methane in the deeper vadose zone.
- Within 14 days of the confirmed discovery of methane in the vadose zone, Ford/KPC will develop and implement a plan for ongoing monitoring and/or appropriate additional control measures. Control measures that may be implemented include, but are not limited to, venting/pressure control by active or passive measures, including the installation of passive vents, installation and operation of a

temporary soil vapor extraction system, or operation of an appropriate monitoring, air-exchange system, or similar continuously operating device/equipment. The methane and soil vapors extracted from the subsurface will be vented to the atmosphere in accordance with the existing air permit.

- The control measures may be expanded, modified or terminated as needed based on the monitoring results and effectiveness of the control measures in addressing the methane.

Following implementation of the control measures, the following parameters may be periodically measured:

- Vacuum/pressure
- Methane (CH₄)
- Carbon dioxide (CO₂)
- Oxygen (O₂)

Field measurements of the concentrations of CH₄, CO₂, and O₂ will be collected using a LandTec portable vapor analyzer or an appropriate alternative. The vacuum/pressure induced at nearby soil vapor probes may be measured, if applicable, using a manometer or another appropriate measuring device. If applicable, the flow rate of soil vapor through the pressure control system will be measured using a venturi style flow meter, a Dwyer Visi-Float® style flow meter, or another similar type depending on field conditions.

Once methane levels in the subsurface decline below 1.25 percent by volume, the control measures may be discontinued. If the monitoring results indicate that methane has rebounded to 1.25 percent by volume in the vadose zone, control measures will be restarted or other appropriate control measures may be implemented. Control measures may be shut down intentionally for brief periods to better understand site-specific conditions. These evaluations could occur for reasons such as determining the generation rate of the methane in the area and/or determining the source of the methane in the area. Upon completion of these evaluations, appropriate long-term (if needed) control measures/monitoring may be implemented.

These procedures will be implemented in accordance with the Remedial Action Plan for the Ford-Kingsford Products Facility.

Emergency Response & Evacuation Procedures for Occupied Structures

(This document replaces all previous versions, including the Interim Response Activity Work Plan, 1998 as referenced in 7.6(a)(i) of the Consent Judgment)

Implementation of Emergency Response Procedures

- Ford Motor Company and The Kingsford Products Company (Ford/KPC) will investigate all reports of methane detector alarms (10 to 20 percent lower explosive limit (LEL) alarm range) and reports of concentrations of methane greater than 10 percent of the LEL in a structure within the identified area of concern. A building inspection will be completed and Kingsford Public Safety or Breitung Township Fire Department along with the Michigan Department of Environmental Quality will be notified in all instances where methane is detected inside a structure. If concentrations of methane inside a structure are confirmed, in accordance with the established Building Inspection Procedure (Attachment 1), Ford/KPC will proceed with the implementation of any necessary sections of this plan.
- If at any time the source of the gas is determined to be from a utility, the investigation and response activities will be the responsibility of the appropriate entity.

Emergency Action Levels/Evaluations

- At levels between 10 and 20 percent LEL (0.5 and 1.0 percent methane by volume), persons may occupy the building with constant monitoring of the area. Implement passive venting measures through opening all windows and doors, and if necessary, use fans or blowers and force fresh air into the building to reduce the levels of methane to below 10 percent LEL. If venting alone does not reduce the methane, additional corrective measures may be necessary.
- If methane is found within the structure in excess of 20 percent LEL (1.0 percent methane by volume), Ford/KPC will seek assistance from local authorities with a recommendation to evacuate all personnel, except those trained and equipped to eliminate the hazard. The above ventilation methods will be applied until the methane level is maintained below 10 percent LEL. If venting alone does not reduce the methane, additional corrective measures may be necessary.
- If the methane concentration in a structure is at 100 percent of the LEL or greater (5.0 percent methane by volume or greater), a potential explosion hazard exists. All building occupants must evacuate immediately. Building occupants will be instructed to not flip any light switches on or off or make any phone calls inside the building. Note: if fans or blowers are used inside the building where the methane concentration is at 100 percent LEL, they must be fitted with explosion-proof (xp) motors.

- If methane gas is detected above 10 percent LEL, a building inspection (Attachment 1) will be completed to assist in determining the source and entry point of the gas. If methane is potentially from a utility, the local gas company will be contacted to assist in confirming the source. Under normal conditions, mercaptans are added to utility gas to produce a pungent sulfur-like odor; however, if the leak is below the surface or located at a distance from the structure, this odor may not be detectable.
- If the source of the gas is not from inside the structure, a punch bar survey will be conducted to determine if methane is present in shallow soils adjacent to the structure and determine the area where the highest concentrations of methane are located. If methane concentrations exceed 25 percent LEL (1.25 percent by volume) and are associated with the Ford-Kingsford Products Facility required response activities, corrective action venting procedures (Attachment 2 – Standard Contingent Venting Procedure) will be implemented.

Corrective Measures

If methane gas is detected inside a structure above 10 percent LEL, corrective measures are required to reduce the methane levels. A summary of potential measures that may be implemented include:

- Passive venting - open windows and doors and allow fresh air to enter the structure.
- Seal any cracks or other openings which may be entry routes for sub-surface methane using polyurethane caulk or other appropriate materials.
 - Re-monitor after sealing to ensure the opening where methane was determined to be entering has been completely sealed. However, do not conduct re-monitoring until the sealant has cured, since the solvents in the sealing material may produce a false reading for methane.
 - Visually inspect and re-monitor the sealed locations during each routine inspection. Re-seal and re-monitor as necessary.
- If passive venting and sealing procedures are not sufficient to maintain methane levels inside the structure below 10 percent LEL (0.5 percent methane by volume) additional measures will be taken. Additional measures that may be implemented include:
 - Positive pressure fans installed and operated to provide additional ventilation (see previous note for xp requirements).
 - Design and installation of a vapor control system for the affected structure.

- Continuous methane monitors within the building, where appropriate. Methane detectors shall be capable of notifying the occupants if methane levels reach between 10 and 25 percent LEL. Detectors shall be of a catalytic, infrared or other approved type and shall be maintained per the manufacturer's recommendations. Detectors shall be located near the ceiling of the structure and shall have sufficient alarm capabilities to notify occupants of the building that evacuation is recommended.
- Installation of soil vapor probes around the perimeter of the structure.
- Installation and operation of a soil vapor extraction system.

The above corrective measures may be implemented singly or in combination to address specific needs. Corrective measures will be implemented and monitoring of the structure will be completed until stable methane levels decrease below 10 percent LEL.

Evacuation Plan For Occupied Structures

If methane inside a structure is detected above 20 percent LEL, Ford/KPC will seek assistance from local authorities with a recommendation to evacuate all persons (except those necessary to eliminate the hazard) from such structures until the methane inside the structure can be reduced to below 10 percent LEL.

If after twelve hours Ford/KPC determines that methane inside a residential structure or a full-time health care facility cannot be reduced to below 10 percent LEL, Ford/KPC will fund and make arrangements to temporarily relocate residents evacuated from their principal residence. Residents will be allowed to return to the structure once corrective measures have lowered the methane levels to below 10 percent LEL and the local authority in charge has determined it is safe for the residents to return to the structure.

If after 5 days Ford/KPC determines that methane inside a commercial structure or school cannot be reduced to below 10 percent LEL, Ford/KPC will fund and make arrangements to locate alternate accommodations for the school/commercial activities until methane levels in the affected structure can be reduced to below 10 percent LEL.

Emergency Contact List

Ford/KPC will maintain an updated emergency contact list with names and phone numbers for personnel from ARCADIS, Ford/KPC, Kingsford Public Safety, City of Kingsford, Breitung Township and the Michigan Department of Environmental Quality (Attachment 3 - Emergency Contact List).

These procedures will be implemented in accordance with the Remedial Action Plan for the Ford-Kingsford Products Facility.



Ford-Kingsford Products Facility, Kingsford, Michigan, Methane Emergency Contact Personnel and Telephone Listing

Updated 01/17/2012

Name	Company	Office Number	Cell/Pager Number	Fax Number	Home Number	Contact Issue
Emergency 24 Hour Contacts						
Dennis Charette (1-ERP)	ARCADIS	(906) 776-0853	(715) 923-2855	(906) 776-0238	(906) 774-5778	Methane
Timothy Gussert	Kingsford Public Safety Director	(906) 774-2525	(906) 282-4789	(906) 774-0645	(906) 774-3904	Methane-Kingsford
MDEQ	Pollution Alert Hotline	(800) 292-4706				Methane
ARCADIS						
Dennis Charette (1-ERP)	ARCADIS	(906) 776-0853	(715) 923-2855	(906) 776-0238	(906) 774-5778	Methane
Rachel Saari (2-ERP)	ARCADIS	(906) 776-0206	(906) 221-3653	(906) 776-0238	(906) 774-9709	Methane
Ric Studebaker (3-ERP)	ARCADIS	(414) 277-6225	(414) 412-1052	(414) 276-7603	(414) 571-2896	Methane
Sarah Buchcuskí (4-ERP)	ARCADIS	(906) 774-1714	(906) 221-5449	(906) 776-0238	(906) 282 4585	Methane
City/Township						
Justin Wickman	Kingsford Public Works Superintendent	(906) 774-3070	(906) 221-6908	(906) 774-7828		Methane-Kingsford
Tony Edlebeck	Kingsford City Manager	(906) 774-3526	(906) 282-0170	(906) 774-7093	(906) 774-8847	Methane-Kingsford
Timothy Gussert	Kingsford Public Safety Director	(906) 774-2525	(906) 282-4789	(906) 774-0645	(906) 774-8598	Methane-Kingsford
Jeff Iverson	Breitung Township Fire Dept.	(906) 779-2064	(906) 396-2505		(906) 774-6979	Methane-Breitung Township
Joe Rogina	Breitung Township Superintendent	(906) 779-2055	(906) 396-2501		(906) 774-8869	Methane-Breitung Township
MDEQ						
Christopher Austin	MDEQ	(906) 875-2072		(906) 875-3336		Methane
Emergency & Utilities						
Beacon	Ambulance	911				
	Dickinson County Hospital	(906) 774-1313				
	EPA Emergency Response Center	(800) 424-8802				
	Miss Dig	(800) 482-7171				
	DTE Gas Company	(800) 947-5000				
Matt Poupore	DTE Kingsford Supervisor		(906) 282-1072			

- 1-ERP First Responder
- 2-ERP Second Responder
- 3-ERP Third Responder
- 4-ERP Fourth Responder

* Dennis Charette is first to respond under Emergency Response Plan (1-ERP), see other ERP responders listed under ARCADIS.



*Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE*

Building Inspection Procedure

Background

Methane is a non-toxic, colorless, odorless gas. Methane gas can enter a structure or confined space through cracks, seams, utility penetrations, or openings in the building foundation. Methane is lighter than air and upon entry will rise to the upper most areas of the room or confined space, where it can potentially accumulate. Like other flammable gasses, methane becomes a fire or explosive hazard when mixed with the correct amount of oxygen in an enclosed space. Methane is flammable at concentrations between 5 percent by volume, the lower explosive limit (LEL), and 15 percent by volume, the upper explosive limit. Methane is often measured in percent LEL, which is a measure of how close the concentration is to the lower explosive limit. For example, a measurement of 100 percent LEL is equivalent to 5 percent methane by volume.

Monitoring Instruments

Infrared methane monitoring instruments such as the Industrial Scientific MDU 420 (MDU) or the LandTec portable vapor analyzer or an appropriate alternative shall be used to perform the methane inspection. Monitoring instruments shall be checked for accuracy prior to use per manufacturer's recommendations.

Monitoring Procedure for Buildings and Confined Spaces

Methane gas from sub-surface sources can enter a structure through openings in the foundation and accumulate at the highest point in that area. These areas are to be checked using an MDU, LandTec or appropriate alternative instrument per the following procedure:

- It is preferable for all doors and windows to have been closed prior to monitoring and to remain closed during monitoring. If methane gas is detected above 10 percent LEL, corrective measures may be necessary.
- Place the intake of the monitoring instrument as close to the ceiling as possible and hold the probe there for a minimum of 30 seconds until readings are stable. This will allow the air/gas to reach the instrument's sensor.
- Do not take readings in corners, near an open window, ventilation ducts or near a fresh air source as this may not reflect the highest levels of gas in the building.
- Monitor the ceiling level in each room and area that is separated by a wall, depending on structure-specific location, layout, construction and available information, to the extent practicable.

- In addition to buildings, all confined spaces present in a structure (such as manholes and utility runs) shall be monitored for methane. If at all possible, monitor the confined space through holes or openings without removing the manhole cover. If not possible, the cover should be removed just enough to insert the monitoring instrument and allow monitoring the highest point in the confined space. Once the cover has been removed, any gas trapped inside the confined space will quickly dissipate.

Inspect the foundation for cracks or other openings per the following procedure:

- Identify and monitor openings in the building foundation including cracks, seams, utility penetrations (water lines, sewer lines, conduits, etc.), and the edge of the slab, where it meets the exterior walls.
- Place the intake of the instrument probe directly over the opening (within one inch) and hold the probe there for a minimum of 30 seconds to allow the air/gas to reach the instrument's sensor and the readings to stabilize. Any gas seeping in through such openings will quickly dissipate, so it is important to monitor as close to the opening as possible without touching the probe to the area around the opening as this may block the probe and produce false readings.

Document the following for each monitoring event:

- Date and time that the monitoring was conducted.
- Personnel conducting the monitoring.
- Model of instrument that was used.
- Record methane monitoring results for both stable and peak readings and indicate if readings are percent LEL or percent by volume.
- Record oxygen and carbon dioxide readings where applicable.
- Locations where the readings were taken.
- Locations of all slab openings that were identified/monitored.

Conversion table:

The following table converts methane readings from percent by volume, to parts per million (PPM) and LEL at various levels.



Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE

%CH4	PPM	%LEL
0.0001	1	-
0.005	50	0.1
0.05	500	1
0.5	5,000	10
1	10,000	20
1.25	12,500	25
5	50,000	100
15	150,000	NA
100	1,000,000	NA

These procedures will be implemented in accordance with the Remedial Action Plan for the Ford-Kingsford Products Facility.

FIGURE 1

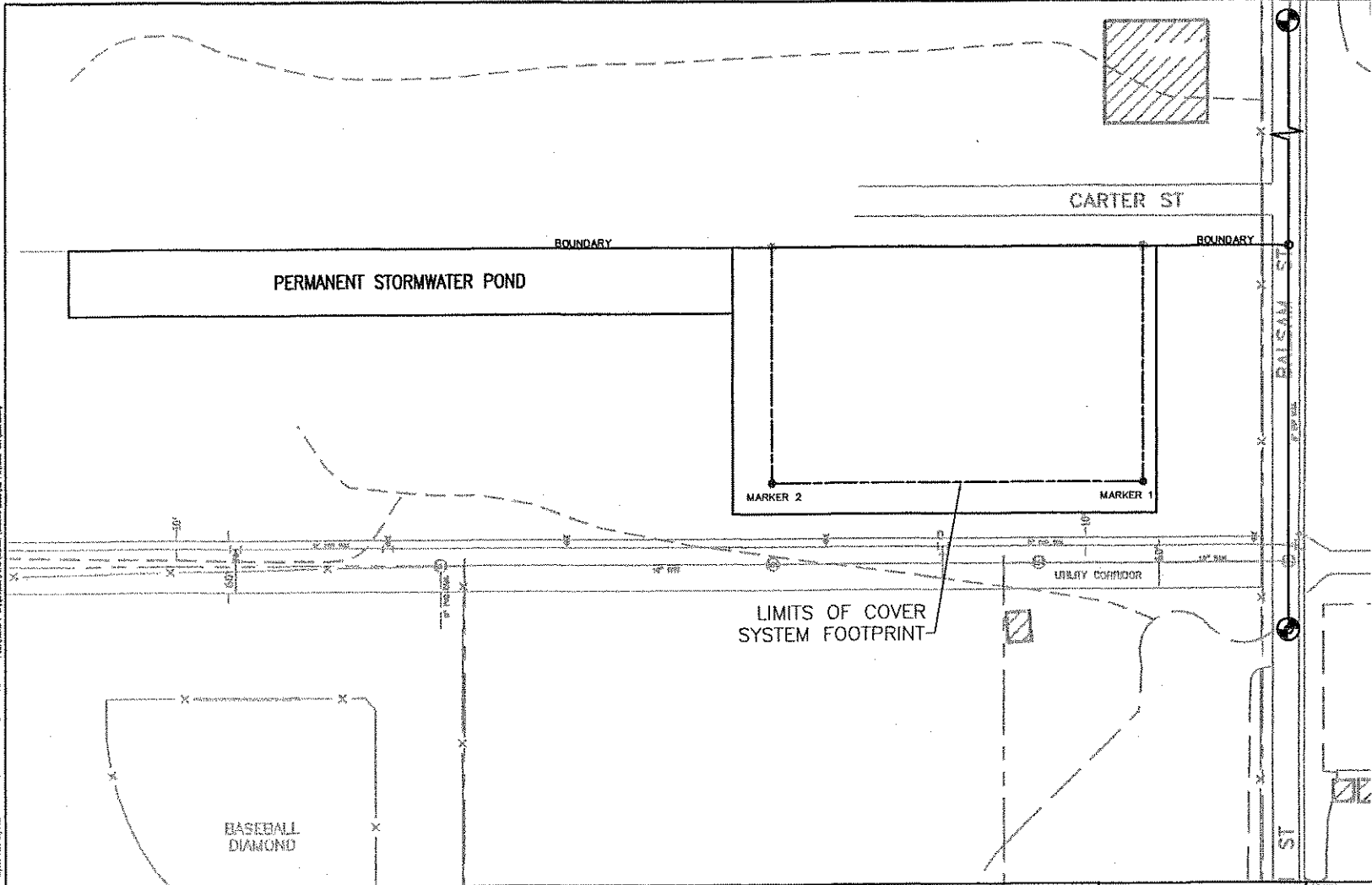
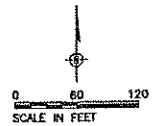
MAP OF THE PROPERTY, INCLUDING THE COVER SYSTEM

DETROIT 18260-1328 B97468v1

LEGEND

- FENCE
- ROADWAYS
- ▣ BUILDING
- TRAIL OR PATH
- LIMITS OF COVER SYSTEM FOOTPRINT
- ⊙ MANHOLE
- SANITARY SEWER
- WATER MAIN
- DUCTILE IRON PIPE


Page 188 of 188
 NMJ Date 01/26/2012
 GL 744/188
 Time 09:42:19



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 Arcadis U.S.A., Inc.
 9900 Redwood Boulevard, Suite 120
 Tampa, Florida 33634
 Tel: 813/961-1921 Fax: 813/281-3428

NO.	DATE	REVISION DESCRIPTION	BY	CHK

ARCADIS
 9900 Redwood Boulevard, Suite 120
 Tampa, Florida 33634
 Tel: 813/961-1921 Fax: 813/281-3428



FORMER NORTHEAST PIT
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

DRAWN: **MSJ**
 DATE: **09/12/02**
 MAP OF PROPERTY AND
 COVER SYSTEM FOOTPRINT

PROJECT MANAGER RS	DEPARTMENT MANAGER JS
LEAD DESIGN PROJ. BZ	CHECKED JY
PROJECT NUMBER W00950.0013	FIGURE 1

Carter Drive Declaration of Restrictive Covenant

2012 JAN 30 PM 12: 24

AFFIDAVIT AFFECTING REAL PROPERTY

(This Affidavit is recorded pursuant to 1915 P.A. 123, as amended)

Angela C. Hilt, being first duly sworn, deposes and states as follows:

1. This Affidavit of Interest is based upon personal knowledge.
2. My address is 1221 Broadway, Oakland CA.
3. I am the Vice President and Corporate Secretary of The Kingsford Products Company LLC ("KPC), a Delaware limited liability company.
4. KPC has been granted an interest in the property described in Attachment 1 (the "Property") pursuant to a Restrictive Covenant recorded on at Liber 733, Page 58, Dickinson County Register of Deeds. Exhibit F of the Restrictive Covenant is an Operation & Maintenance Plan (the "O&M Plan").
5. Section 4 of the Restrictive Covenant includes the following language:

Exhibit F may be amended and/or modified from time to time, and if so, a revised Exhibit F will be recorded with the Register of Deeds to reflect such amendments or modifications. The submission of a revised Exhibit F shall not require approval or an amendment to this Restrictive Covenant.
6. The O&M Plan has been modified, and KPC is exercising its right to record the modified O&M Plan as a revised Exhibit F, pursuant to the terms of the Restrictive Covenant. The revised Exhibit F is included as Attachment 2 to this Affidavit of Interest.
7. This Affidavit of Interest has been executed and recorded for the purposes of recording the revised Exhibit F and giving further record notice of the revisions.
8. This Affidavit is made pursuant to MCL Section 565.451a, specifically MCL Section 565.451a(b) and (e).

Further affiant sayeth not.

Dolly Cook 18P
Dickinson County
Page 1 of 18 GL 744/563
NMJ Date 01/31/2012 Time 09:56:49

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

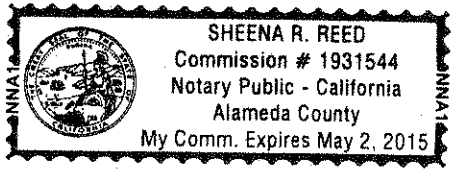
County of Alameda

On January 25, 2012 before me, Sheena R. Reed, Notary Public
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Angela C. Hilt
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Affidavit Affecting Real Property

Document Date: January 25, 2012 Number of Pages: 2

Signer(s) Other Than Named Above: None

Capacity(ies) Claimed by Signer(s)

Signer's Name: Angela C. Hilt

- Individual
Corporate Officer (checked)
Title(s): Vice President - Secretary
Partner - Limited General
Attorney-in-Fact
Trustee
Guardian or Conservator
Other:

Signer's Name:

- Individual
Corporate Officer
Title(s):
Partner - Limited General
Attorney-in-Fact
Trustee
Guardian or Conservator
Other:

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Page 3 of 18
NMJ Date 01/31/2012

Signer Is Representing:
The Kingsford Products Company LLC

RIGHT THUMBPRINT OF SIGNER
Top of thumb here
Signer Is Representing:
GL 744/565
Time 09:56:49

ATTACHMENT 1

LEGAL DESCRIPTION OF PROPERTY

Part of the Southeast 1/4 of the Northeast 1/4, Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan

A Deed Restriction area being part of the Southeast 1/4 of the Northeast 1/4, Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:

Commencing at the East 1/4 corner of Section 2; thence **N00°00'43"W, 448.71'** along the East line of Section 2; thence **S89°59'17"W, 29.89'** a point on the West right of way line of Balsam Street and the **Point of Beginning**; thence **N89°59'31"W, 500.33'**; thence **N00°00'08"W, 75.03'** to the North right of way line of Carter Street; thence **N89°59'52"E, 500.17'** along the North right of way line of Carter Street to the West right of way line of Balsam Street; thence **S00°07'37"E, 75.12'** to the **Point of Beginning** containing **0.8621 acres** and subject to restrictions, reservations, rights of way and easements of record.

**REVISED EXHIBIT F TO
RESTRICTIVE COVENANT RECORDED AT GL 733/58**

Operation and Maintenance (O&M) Plan

**Carter Drive Right-of-Way
Kingsford, Michigan**

**Prepared for:
Ford - Kingsford Products Facility**



Table of Contents

Introduction	1
Objectives	1
Site Background	2
Performance and Compliance Monitoring Plan	2
Inspection	2
Maintenance Schedule	3
Contingency Plan	3
Contingency Plan – Response	3
Contingency Plan – Procedures	3
Identification of Hazardous Materials and Assessment of Possible Hazards	4
Assessment and Control Procedures	4
Reporting Requirements	4
Records Retainage	4
O&M Records	4
Reporting	4
Table	
1. Facility Inspection Activities, Ford-Kingsford Products Facility, Kingsford, Michigan.	
Figure	
1. Site Location, Ford-Kingsford Products Facility, Kingsford, Michigan.	
Appendix	
A Example Inspection Forms.	

Introduction

This Operation and Maintenance (O&M) Plan has been prepared for the Carter Drive Right-of-Way (the "Property") portion of the Ford – Kingsford Products Facility in Kingsford, Michigan. The O&M Plan describes the strategy for eliminating any potential direct contact with waste materials by maintaining the existing asphalt barrier and implementing institutional controls.

This O&M plan may be revised as necessary to comply with the Remedial Action Plan objectives. The revisions will not change the overall purpose or intent of the O&M plan and will thus not require a revised plan to be recorded with the Dickinson County Register of Deeds. Nor will revisions to this O&M plan approved by the Michigan Department of Environmental Quality (MDEQ) be considered RAP revisions pursuant to the Consent Judgment.

Objectives

The objective of this O&M Plan is to describe procedures for maintenance and monitoring of the response action for the Property. This plan is prepared to guide field personnel on maintenance procedures for the existing barrier and implementation of the institutional controls to maximize effectiveness of the remedy. Implementation of the plan will provide for the protection of human health and the environment by achieving the following objectives:

- Verify that the barrier is in good condition and functioning as intended in the area that is subject to the restrictive covenant.
- Inspect and document that the restrictive covenant is implemented and observed. These restrictions include:
 - Limit land use to commercial or industrial,
 - Maintain the current barrier in place within the Carter Drive Right-of-Way (i.e., asphalt pavement, landscaping, and clean fill cover),
 - Prohibit excavation or penetration through the existing barrier.

Elements of this plan address the following:

- Site Background
- Performance and Compliance Monitoring Program
- Contingency Plan
- Reporting Requirements

Site Background

The Carter Drive Right-of-Way is located in Kingsford, Dickinson County, Michigan as illustrated on Figure 1. The Property, a stretch of roadway approximately 500 feet in length, is owned by the City of Kingsford and is in an area zoned for industrial use. An IRAP was developed to address impacts to the soil and groundwater at the adjacent former Northeast Pit (NE Pit), which resulted in the selection of a cover system as a response action. During the implementation of response actions, a small quantity of waste material was left in place north of the former NE Pit beneath Carter Drive due to inaccessibility. The roadway serves as a cover/barrier for the waste material left in place beneath Carter Drive.

The primary focus of the response action is to prevent direct contact with impacted soils/waste materials remaining in place in inaccessible locations under the present Carter Drive Right-of-Way.

Performance and Compliance Monitoring Plan

Performance and compliance monitoring provides a way to verify that the site remedy is implemented, performing satisfactorily, and is in compliance with regulatory requirements. The elements of the Performance and Compliance Monitoring Plan include inspection of the direct contact barrier and restrictive covenant implementation. These topics are discussed in further detail in the subsequent sections.

Inspection

On-site inspection activities will be conducted to document the activities identified in this Plan. For each inspection, forms will be used to record findings, unusual conditions, and any required corrective action. An example inspection form is included in Appendix A. The inspection form may change in format; however, the substance of the form will remain the same. Conditions requiring corrective action will be rectified

and the repair will be documented on a Corrective Action Form. Table 1 summarizes the specific activities and frequencies.

Maintenance Schedule

The inspection frequency will be as listed on Table 1 throughout the response action. Active maintenance will be performed as necessary based on the observations reported during routine inspections of the cover system.

Contingency Plan

In the unlikely event that it is determined that the barrier has failed, specific actions are necessary. This section provides direction regarding this potential and is organized into two sections Contingency Plan – Response and Contingency Plan – Procedures. Any handling of waste material will be performed in accordance with the Waste Management Plan for the Property.

Contingency Plan – Response

A potential breach of the cover system might require a contingency plan response. Spontaneous failure of the existing asphalt barrier is highly unlikely. The site is completed at grade and there are no slopes that might become unstable. However, should a breach in the cover system occur there exists the possibility of direct contact with waste. Repairs to the barrier and/or modifications would take place in this instance. In the event that the barrier will not or cannot be promptly repaired, the waste materials will be removed. Restoration procedures will include replacing the asphalt barrier to restore the cover system. Restoration activities will be performed in accordance with the Waste Management Plan and Construction Health and Safety Plan that are incorporated into the restrictive covenant. Additionally, dust suppression activities will be implemented, if necessary, to mitigate dust generation. Site workers will be trained and equipped with Personal Protective Equipment to prevent direct contact with the waste/fill. The area will be closed to the public until restoration activities are completed.

Contingency Plan – Procedures

Should there be physical or analytical evidence that the barrier has failed, a determination will be made of the potential threat to public health and the environment. Actions needed to address the cover system failure will be taken. The time, date, and

details of any incident that requires emergency response implementation will be noted in the site log book and/or project database.

Identification of Hazardous Materials and Assessment of Possible Hazards

The hazardous materials that could potentially be released are impacted soils and waste. The possible hazards associated with the materials listed above are minimal, but include risks from ingestion and dermal contact.

Assessment and Control Procedures

In the unusual event of an incident, the appropriate containment procedures and repairs would be implemented, and the following steps will be taken:

- Sample and analyze potentially impacted soil, surface water, or sediments.
- Evaluate the data to determine whether constituents are creating exposure above applicable risk-based standards.

Reporting Requirements

Records Retainage

Records shall be maintained for a minimum of 5 years after completion of any O&M activities.

O&M Records

O&M activities for the barrier/cover system will be recorded in the appropriate logbook or project database. Notations will be made when the system is inspected and maintained, engineering measurements are taken, and when corrective measures are implemented. As indicated, inspection forms are included in Appendix A of this report. Corrective action measures and re-inspection forms should be completed during the period that the corrective measures take place.

Reporting

O&M reports will be prepared annually that will include at a minimum a discussion of the Property monitoring activities performed during the reporting period, sampling



Operation and Maintenance Plan

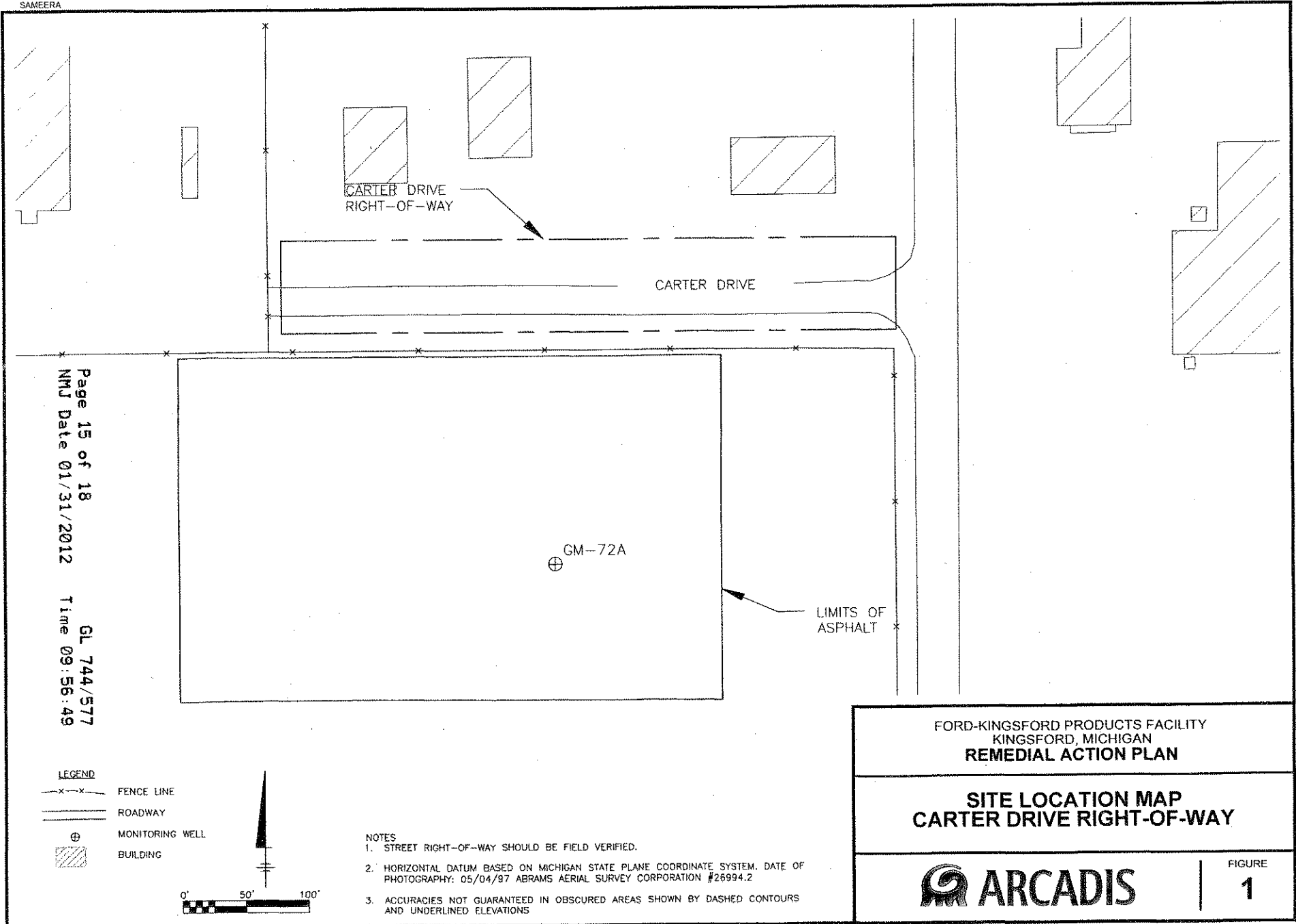
Carter Drive Right-of-Way
Kingsford, Michigan

results and barrier performance evaluation, incidences of noncompliance and corrective actions taken, maintenance performed that is other than preventative maintenance, key personnel changes, and coordination activities. Any proposed modifications to the configuration or operation of the cover system will be included.

ARCADIS

Table 1. Facility Inspection Activities, Carter Drive Right-of-Way, Ford-Kingsford Products Facility, Kingsford, Michigan.

Item	Types of Problems	Frequency of Inspection	Circumstance or Trigger Level (if applicable)	Corrective Action
Cover	Slumping, cracking, damage, or buckling	Annually	Visual evidence of discontinuity of surface - by way of depressions or cracks	Evaluate and prepare corrective action plan
Cover Perimeter Outlet/Drainage System	Excessive growth at cover perimeter (mowing required)	Annually	Evidence of excessive growth which hinders visual inspection of cover	Mow vegetation
	Tree and scrub oak seedlings or other deep-rooted vegetation	Annually	Evidence of growth	Remove unwanted vegetation
	Erosion, obstructions to flow, deterioration, excessive siltation, inadequate protective vegetation	Annually and after extreme weather events	Any obstructions to flow; silt buildup in excess of 50% of design freeboard; greater than 20% of area devoid of vegetation	Remove obstruction and/or silt. Revegetate as required
Signage	Damaged, illegible	Annually	Impacted by construction or vandalism	Replace Signs



Page 15 of 18
 NMJ Date 01/31/2012
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 Time 09:56:49

- LEGEND**
- FENCE LINE
 - ROADWAY
 - MONITORING WELL
 - BUILDING

- NOTES**
1. STREET RIGHT-OF-WAY SHOULD BE FIELD VERIFIED.
 2. HORIZONTAL DATUM BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM. DATE OF PHOTOGRAPHY: 05/04/97 ABRAMS AERIAL SURVEY CORPORATION #26994.2
 3. ACCURACIES NOT GUARANTEED IN OBSCURED AREAS SHOWN BY DASHED CONTOURS AND UNDERLINED ELEVATIONS

FORD-KINGSFORD PRODUCTS FACILITY KINGSFORD, MICHIGAN REMEDIAL ACTION PLAN	
SITE LOCATION MAP CARTER DRIVE RIGHT-OF-WAY	
	FIGURE 1



Appendix A

Example Inspection Forms

ARCADIS

Operation and Maintenance Inspection Form
Carter Drive Right-of-Way
Ford-Kingsford Products Facility

Date of Inspection: _____
Inspectors Name: _____
Inspectors Affiliation: _____
Time of Inspection: _____

Inspection Checklist

(All Yes responses require an explanation and the attachment of a Corrective Action Form)

Evidence of heaving or subsidence of the asphalt cover resulting in uneven surfaces, cracks, breaks or crumbling of the asphalt. No Yes

Explanation: _____

Signs of excessive erosion of cover or vegetative perimeter. No Yes

Explanation: _____

Signs of burrowing animals, or deep rooted woody plants established on the cover or around the cover perimeter. No Yes

Explanation: _____

Physical signs of settlement or subsidence of cover (Yes response requires attachment of the Movement Inspection Form in addition to the Corrective Action Form). No Yes

Explanation: _____

Corrective Action Form
Carter Drive Right-of-Way
Ford-Kingsford Products Facility

Date of Inspection: _____
Inspectors Name: _____
Inspectors Affiliation: _____

Note: If Corrective Action cannot be completed within 30 days of the initial inspection date, a Corrective Action Plan must be prepared and maintained in the operating record until the corrective action has been completed.

Corrective Action Work Order

Description of Problem: _____

Required Correction: _____

Assigned To: _____ Date: _____

Corrective Action Completion Report

Date Recieved: _____ Received by: _____

Completed On: _____

Comments: _____

Completed By: _____ Date: _____

Reinspection Report

Observations: _____

Comments: _____

Completed By: _____ Date: _____

2012 JAN 30 PM 12: 24

Affidavit of Scrivener's Error

STATE OF CALIFORNIA)

COUNTY OF ALAMEDA)

The undersigned, Angela C. Hilt, being first duly sworn, states as follows:

1. The Affiant is the Vice President and Corporate Secretary for The Kingsford Products Company LLC ("KPC"), a Delaware limited liability company, and is familiar with certain facts concerning the property described below, and more particularly described in Exhibit A, attached hereto and incorporated herein (the "Property").
2. KPC, Ford Motor Company, a Delaware corporation, and the City of Kingsford entered into a certain Declaration of Restrictive Covenant ("Restrictive Covenant") recorded on August 3, 2011 at Liber 733, Page 58, Dickinson County Register of Deeds with respect to the Property.
3. The Restrictive Covenant incorrectly states in Paragraph 3 that an Operation & Maintenance Plan shall be attached to the Restrictive Covenant as Exhibit E.
4. The Restrictive Covenant further incorrectly states the following at the end of Paragraph 7:


This Restrictive Covenant may only be modified or rescinded with the written approval of the MDEQ, Owner, Ford and KPC, with the exceptions of Exhibits E and F. Exhibit E may be modified in accordance with Paragraph 3 above. Exhibit F may be modified at any time per the terms of that Agreement.

5. It was the intent of the parties that the Paragraph 3 of the Restrictive Covenant actually state that the Operation and Maintenance Plan would be attached to the Restrictive Covenant as Exhibit F.
6. It was further the intent of the parties that Paragraph 7 of the Restrictive Covenant actually state as follows to allow for the modification of the Operation and Maintenance Plan at any time:

This Restrictive Covenant may only be modified or rescinded with the written approval of the MDEQ, Owner, Ford and KPC, with the exceptions of Exhibits C and F. Exhibit F may be modified in accordance with Paragraph 3 above. Exhibit C may be modified at any time per the terms of that Agreement.

7. I make this affidavit to set forth the intent of the grantor and grantee and to correct the errors in Paragraphs 3 and 7 of the Restrictive Covenant recorded in Liber 733, Page 58, Dickinson County Records.

Further affiant sayeth not.

By: 
Angela C. Hilt, Vice President and Corporate Secretary of
The Kingsford Products Company LLC

Dated this 25th day of January, 2012

STATE OF _____)
)ss
COUNTY OF _____)

SEE ATTACHED Acknowledgment

The foregoing instrument was acknowledged before me this _____ day of _____, 2012 by Angela C. Hilt, Vice President and Corporate Secretary of The Kingsford Products Company LLC, on behalf of the company.

Print Name: _____
Notary Public, _____ County, _____
Acting in _____ County
My commission expires _____.

Prepared by and after recording return to:
Sharon R. Newlon
Dickinson Wright PLLC
500 Woodward Ave., Suite 4000
Detroit, MI 48170

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

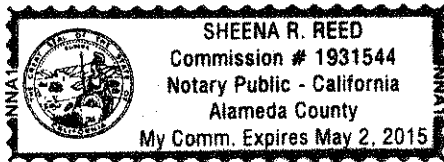
County of Alameda

On January 25, 2012 before me, Sheena R. Reed, Notary Public, Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Angela C. Hilt Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.

Handwritten signature of Sheena R. Reed, Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Affidavit of Scrivener's Error

Document Date: January 25, 2012 Number of Pages: 2

Signer(s) Other Than Named Above: None

Capacity(ies) Claimed by Signer(s)

Signer's Name: Angela C. Hilt

- Individual
Corporate Officer (checked)
Title(s): Vice President - Secretary
Partner - Limited General
Attorney-in-Fact
Trustee
Guardian or Conservator
Other:

Signer's Name:

- Individual
Corporate Officer
Title(s):
Partner - Limited General
Attorney-in-Fact
Trustee
Guardian or Conservator
Other:

RIGHT THUMBPRINT OF SIGNER

Top of thumb here

RIGHT THUMBPRINT OF SIGNER

Top of thumb here

Signer Is Representing:

The Kingsford Products Company LLC

Signer Is Representing:

Exhibit A
Legal Description

Part of the Southeast 1/4 of the Northeast 1/4, Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan

A Deed Restriction area being part of the Southeast 1/4 of the Northeast 1/4, Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:

Commencing at the East 1/4 corner of Section 2; thence N00°00'43"W, 448.71' along the East line of Section 2; thence S89°59'17"W, 29.89' a point on the West right of way line of Balsam Street and the Point of Beginning; thence N89°59'31"W, 500.33'; thence N00°00'08"W, 75.03' to the North right of way line of Carter Street; thence N89°59'52"E, 500.17' along the North right of way line of Carter Street to the West right of way line of Balsam Street; thence S00°07'37"E, 75.12' to the Point of Beginning containing 0.8621 acres and subject to restrictions, reservations, rights of way and easements of record.

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DECLARATION OF RESTRICTIVE COVENANT

This Declaration of Restrictive Covenant has been recorded with the Dickinson County Register of Deeds for the purpose of protecting the public health, safety and welfare, and the environment by prohibiting or restricting activities that could result in unacceptable exposure to environmental contamination present at the property located in the City of Kingsford, County of Dickinson, State of Michigan. This property, a public roadway and right of way for utilities referred to as **Carter Drive Right-of-Way** ("Property"), as shown on Figure 1 and as legally described in Exhibit A hereto, is associated with the Ford-Kingsford Products Facility (Court Case No. 04-1427-CE). Response activities have been implemented in the area to address environmental contamination and are fully described in the document entitled Former Northeast Pit Interim Response Action Plan, Ford/Kingsford Site, Kingsford, Michigan dated January 8, 2003, and associated Addenda dated May 14, 2003 and February 5, 2009, and also in the document entitled Former Northeast Pit Interim Response Action Construction Documentation Report, Ford/Kingsford Site, Kingsford, Michigan dated April 19, 2006 both of which were submitted to the Michigan Department of Environmental Quality ("MDEQ") by ARCADIS U.S., Inc. on behalf of Ford Motor Company ("Ford"), a Delaware Corporation, and The Kingsford Products Company LLC ("KPC"), a Delaware limited liability company. The MDEQ approved the Interim Response Action Plan ("IRAP") in a letter dated August 25, 2003, pursuant to Part 201 of the Natural Resources and Environmental Protection Act ("NREPA"), 1994 PA 451, as amended, MCL 324.20101 *et seq.*

The IRAP required the recording of this Restrictive Covenant with the Dickinson County Register of Deeds to 1) restrict unacceptable exposures to hazardous substances located on the Property; and 2) assure that the use of the Property is consistent with the exposure assumptions utilized in the development of cleanup criteria referred to in Paragraph 1, below, pursuant to Section 20101 of the NREPA and the exposure control measures relied upon in the IRAP. The restrictions contained in this Restrictive Covenant are based upon information available to the MDEQ at the time the IRAP was approved by the MDEQ. Failure of the response activities to achieve and maintain the criteria, exposure controls, and requirements specified in the IRAP; future changes in the environmental condition of the Property or changes in the cleanup criteria developed under Sections 20120a(1) and 21304a of NREPA; the discovery of environmental conditions at the Property that were not previously accounted for in the IRAP; or use of the Property in a manner inconsistent with the restrictions described herein, may result in this Restrictive Covenant not being protective of public health, safety, and welfare, and the environment. Exhibit B provides a survey of the Property that is subject to the land use and resource use restrictions specified herein.

Summary of Response Activities

The Property, described in Exhibits A and B, is an active public roadway. Areas of the Property, including soil beneath the paved road, may contain hazardous substances such as volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), alcohols, aldehydes, metals, and pesticides. This soil is not accessible because it is below the public roadway surface cover, and the existing barrier (asphalt pavement, landscaping, and clean fill cover) prevents direct contact with the underlying waste materials. Before performance on the Property of any type of excavation, digging, construction, repair, or other work which might result in the exposure of persons to hazardous substances or sub-surface soils beneath the roadway surface cover, the Owner shall notify Ford and KPC, pursuant to Paragraphs 4 and 6(B) of the Declaration, below. The MDEQ recommends that prospective purchasers or

users of the Property undertake appropriate due diligence prior to acquiring or using this Property, and undertake appropriate actions to comply with the requirements of Section 20107a of the NREPA.

For a more in-depth description of the affected media, the nature of the hazardous substances and how the response activities on the adjacent property address unacceptable risks for all relevant pathways, see the IRAP and the Construction Documentation Report (CDR) discussed above, copies of which can be obtained from the property owner, the MDEQ or reviewed at the repository located at the Dickinson County Public Library.

Definitions

"MDEQ" means the Michigan Department of Environmental Quality, its successor environmental protection entities, and those persons or entities acting on its behalf.

"Owner" means at any given time the then current title holder of the Property or any portion thereof.

All other terms used in this document which are defined in Part 3, Definitions, of the NREPA; Part 201 of the NREPA; or the Part 201 Administrative Rules ("Part 201 Rules"), 1990 AACRS R 299.5101 *et seq.* shall have the same meaning in this document as in Parts 3 and 201 of the NREPA and the Part 201 Rules, as of the date of filing of this Restrictive Covenant.

NOW THEREFORE,

Declaration of Land Use or Resource Use Restrictions

This Restrictive Covenant grants and conveys an interest in the Property to Ford and KPC to the extent necessary to enable Ford and/or KPC to enforce the declarations, covenants, prohibitions, restrictions, conditions and access rights set forth in this document, and Ford and/or KPC may enforce such declarations, covenants, prohibitions, restrictions, conditions and access rights.

Pursuant to the IRAP, the Owner hereby declares and covenants that the Property is subject to the following restrictions and conditions:

1. The Property shall only be used as a Right of Way or for non-residential use. Nothing herein is intended to nor does it prohibit the use of the property as a right of way for roadway and utility purposes. However, residential use is prohibited. Cleanup criteria and associated land-use descriptions are located in the Government Documents section of the State of Michigan Library.

2. For the entire property, the Owner declares and covenants the following restrictions:

- All excavation and digging activities on the Property by, or authorized by, Owner, shall be conducted only after fourteen (14) days notice has been given, pursuant to Paragraph 6(B), and shall be conducted in accordance with the Property's Waste Management Plan and Construction Health and Safety Plan Guideline, attached as Exhibits D and E.
- All activities on the Property shall be conducted in a manner that does not damage, remove or otherwise tamper with any monitoring wells or vapor probes located on the Property, unless otherwise permitted in writing by the MDEQ, Ford and KPC, and Owner.
- The use or removal of any groundwater located beneath the Property for any purpose is prohibited, except for activities associated with environmental response and/or approved in writing by the MDEQ, Ford and KPC, and Owner.

- All activities on the Property shall be conducted in a manner that does not interfere with any element of the IRAP, Response Activity Plan, Remedial Action Plan or Post-Closure Plan that apply to the Property, including the performance of operation and maintenance activities, monitoring, or other measures necessary to ensure the effectiveness and integrity of the response actions.

3. The Property shall be maintained in accordance with the IRAP or RAP, as applicable, and in conformance with the Property's Operation & Maintenance Plan (attached as Exhibit E), unless otherwise approved by the MDEQ. The Owner and Ford and KPC shall maintain the Property according to their respective obligations set forth in the Carter Drive Right-of-Way Operations and Maintenance Agreement (attached as Exhibit C). Exhibit F may be amended and/or modified from time to time by Ford and KPC, and if so, a revised Exhibit F will be recorded with the Register of Deeds to reflect such amendments or modifications. The submission of a revised Exhibit F shall not require approval or an amendment to this Restrictive Covenant, as long as the amendment/modification does not prohibit the Owner's use of the property as a public road or right of way for utilities or impose new types of costs on Owner.

4. Contaminated Soil Management for Digging or Excavation on the Property by Owner or a Person Authorized by Owner.

If Owner, or a person authorized by Owner, digs or excavates on the Property, the Owner shall manage all contaminated media and/or debris located on the Property, if any, in accordance with the applicable requirements of Section 20120c of the NREPA; Part 111, Hazardous Waste Management, of the NREPA; Subtitle C of the Resource Conservation and Recovery Act, 42 U.S.C. §6901 *et seq.*; the administrative rules promulgated thereunder; and all other relevant state and federal laws. These materials shall also be managed in accordance with the Property's Waste Management Plan and Construction Health and Safety Plan Guideline, attached as Exhibits D and E. Notice of any type of excavation, digging, construction, repair, or other work which will result in the removal of waste materials shall be made in accordance with paragraph 6.B herein.

5. Access. The Owner grants Ford, KPC, and their contractors and subcontractors, including but not limited to, ARCADIS U.S., Inc., access to the Property to perform whatever environmental response actions may be requested or required by the MDEQ or determined to be appropriate by Ford and KPC. The environmental response actions which may be requested or required on the Property, include, but are not limited to the installation, maintenance and/or monitoring of vapor probes and groundwater monitoring wells. Notwithstanding anything to the contrary herein, it is not intended to, nor will it, prevent Owner's use of the Property as a public road or right of way for utilities. If any response actions will temporarily interfere with this use, Ford/KPC will provide notice to the Owner prior to undertaking such actions.

The Owner shall allow the MDEQ, Ford, KPC and their authorized employees, agents, representatives, contractors, subcontractors and consultants to enter the Property at all reasonable times, after contacting the Owner, for the purpose of conducting any activity for which access is required for the implementation of response action with respect to the presence of methane or other constituents at the Property or to otherwise fulfill any responsibility under federal or state law including, but not limited to, the following:

- (1) Monitoring response activities or any other activities taking place on the Property with respect to methane or other substances;
- (2) Verifying any data or information submitted to the MDEQ related to methane or other substances;
- (3) Assessing the need for, planning, or conducting investigations relating to methane or other substances;

- (4) Obtaining samples related to methane or other substances;
- (5) Assessing the need for, planning, or conducting, response activities at or near the Property,
- (6) Assessing compliance with requirements for the performance of monitoring, operation and maintenance, or other measures necessary to assure the effectiveness and integrity of a remedial action related to methane or other substances;
- (7) Communicating with Ford and KPC's representatives, or consultants for the purpose of assessing compliance with any court order or the Consent Judgment entered on October 26, 2004;
- (8) Determining whether the Property is being used in a manner that is or may need to be prohibited or restricted pursuant to any IRAP, IRDC, remedial action plan or Consent Judgment related to methane or other substances; and
- (9) Assuring the protection of public health, safety, welfare and the environment with respect to methane or other substances.

The Owner agrees that it will allow Ford and KPC to inspect and copy non-privileged records, operating logs, contracts, or other documents relating to methane or other substances on the Property. The Owner also agrees that it will execute any documents required for the remedy on the Property, including but not limited to, a concurrence for any response action, or consent to any restrictive covenant, notice of approved environmental remediation, or other document necessary for a remedial action plan, interim response designed to meet criteria, or interim response activity plan related to the Property, and as long as such documents to be executed do not prevent Owner's ability to use the Property as a public road or right of way for utilities.

6. Notices.

A. Notice of Intent to Transfer Property.

The Owner shall provide notice to the MDEQ and Ford and KPC of the Owner's intent to transfer any interest in the Property at least fourteen (14) business days prior to consummating the conveyance. A conveyance of title, an easement, or other interest in the Property, shall not be consummated by the Owner without adequate and complete provision for compliance with the terms and conditions of this Restrictive Covenant and the applicable provisions of Section 20116 of the NREPA. The notice required to be made to the MDEQ under this Paragraph shall be made to: Chief, Remediation Division, Michigan DEQ, P.O. Box 30426, Lansing, Michigan 48909-7926; and shall include a statement that the notice is being made pursuant to the requirements of this Restrictive Covenant (MDEQ Reference Court Case No. 04-1427-CE), and a reference to the property description. A copy of this Restrictive Covenant shall be provided to all future owners, heirs, successors, lessees, easement holders, assigns, and transferees by the person transferring the interest.

B. Notice of Planned or Inadvertent Disturbance of the Property.

The Owner shall notify Ford, KPC and their designee at least fourteen (14) business days before any planned excavation, digging, construction, repair, or other type of work on the Property by Owner, or a person authorized by Owner, which might result in the exposure of persons to any hazardous substances or sub-surface soils. The Owner shall notify Ford, KPC, and their designee within twenty-four (24) hours of any unplanned emergency work on the Property and within 24 hours of the discovery of any other disturbance to the Property which might result in any exposure of persons to any hazardous substance or sub-surface soils. Notification shall be provided via verbal discussion or electronic mail correspondence to the following:

If to Designee:

Ford-Kingsford Products Facility Project Coordinator
Att.: Richard L. Studebaker, Jr., P.E.
ARCADIS U.S., Inc.
126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
(414) 276-7742
(414) 276-7603 (fax)
ric.studebaker@arcadis-us.com

With a Copy to:

Dickinson Wright PLLC
500 Woodward Ave, Suite 4000
Detroit, MI 48226-3425
(313) 223-3500
(313) 223-3698 (fax)

If to Ford:

David Miller
Fairlane Plaza North
290 Town Center Drive
Dearborn, MI 48126
(313) 322-3761
(313) 248-5030 (fax)
dmiller2@ford.com

General Counsel
Ford Motor Company
World Headquarters
One American Road, Room 407-A2
Dearborn, MI 48126
(313) 845-8476
(313) 390-3308

With a Copy to:

Dickinson Wright PLLC
500 Woodward Ave, Suite 4000
Detroit, MI 48226-3425
(313) 223-3500
(313) 223-3698 (fax)

If to KPC:

J. David Langford
Associate Vice President Burns & McDonnell Engineering Company, Inc.
9400 Ward Parkway
Kansas City, MO 64141
(816) 822-3175
(816) 822-3494 (fax)
jlang@burnsmcd.com

General Counsel
The Clorox Company
1221 Broadway, 24th Floor
Oakland, CA 94612
(510) 271-7000
(510) 271-1696 (fax)

With a Copy to:

Michael L. Robinson
Warner Norcross & Judd LLP
111 Lyon Street, NW, Suite 900
Grand Rapids, Michigan 49053
(616) 752-2128
(616) 222-2128 (fax)
mrobinson@wnj.com

C. Notice to Owner.

For as long as the City of Kingsford is the Owner, any notices, written concurrences or written approvals by Ford and/or KPC to the Owner required under this Restrictive Covenant shall be sent to the City Manager, the Superintendent of Public Works and the City Attorney.

7. Term and Enforcement of Restrictive Covenant.

The State of Michigan, through any or all of the MDEQ, Ford or KPC or their agents or assigns, may enforce the restrictions set forth in this Restrictive Covenant by legal action in the Dickinson County Circuit Court. Upon request of Owner, Ford/KPC shall enforce the restrictions set forth in this Restrictive Covenant on behalf of Owner and at no cost to Owner if Ford or KPC agree enforcement is necessary to meet Ford and KPC's obligations under the Consent Decree entered in Court Case No. 04-1427-CE.

This Restrictive Covenant shall run with the Property, and shall be binding upon the Owner, future owners, and all current and future operators of the Property, lessees, easement holders, and their successors, assigns, authorized agents, employees, or persons acting under their direction and control, of all or any portion of each of the parcels which comprise the Property. It shall be the obligation of each and every Owner of any portion of the Property to provide a copy of this Restrictive Covenant to all of its heirs, successors, lessees, assigns and transferees of an interest in the Property. This Restrictive Covenant is binding upon the Owner, future owners, and all current and future operators of the Property, lessees, easement holders, and their successors, assigns, authorized agents, employees, or persons acting under their direction and control, regardless of whether a copy of this Restrictive Covenant has been attached or incorporated into any given deed, transfer document or lease.

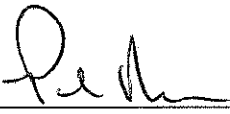
This Restrictive Covenant may only be modified or rescinded with the written approval of the MDEQ, Owner, Ford and KPC, with the exception of Exhibits E and F. Exhibit E may be modified in accordance with Paragraph 3 above. Exhibit F may be modified per the terms of that Agreement.

8. Severability. If any provision of this Restrictive Covenant is held to be invalid by any court of competent jurisdiction, the invalidity of such provision shall not affect the validity of any other provisions hereof. All such other provisions shall continue unimpaired in full force and effect.

9. Authority to Execute Restrictive Covenant. The undersigned person executing this Restrictive Covenant has the express written permission of the Owner to sign on the Owner's behalf and represents and certifies that he or she is duly authorized and has been empowered to execute and deliver this Restrictive Covenant.

IN WITNESS WHEREOF, the said Owner of the above-described Property has caused this Restrictive Covenant (MDEQ Reference Court Case No. 04-1427-CE) to be executed on this 1st day of August, 2011.

CITY OF KINGSFORD. OWNER

By: 

PAUL NOVARA

Its: MAYOR

By: 

BARRY L. WICKMAN

Its: CLERK

ACKNOWLEDGMENT

STATE OF MICHIGAN)
) SS.
COUNTY OF DICKINSON)

The foregoing instrument was acknowledged before me this 1st day of August, 2011 by, Paul Novara, City of Kingsford Mayor, and Darryl K. Wickman, City of Kingsford Clerk on its behalf.



Notary Public, Bruce W. Brouillette

County of Dickinson

State of Michigan

Acting in Dickinson County

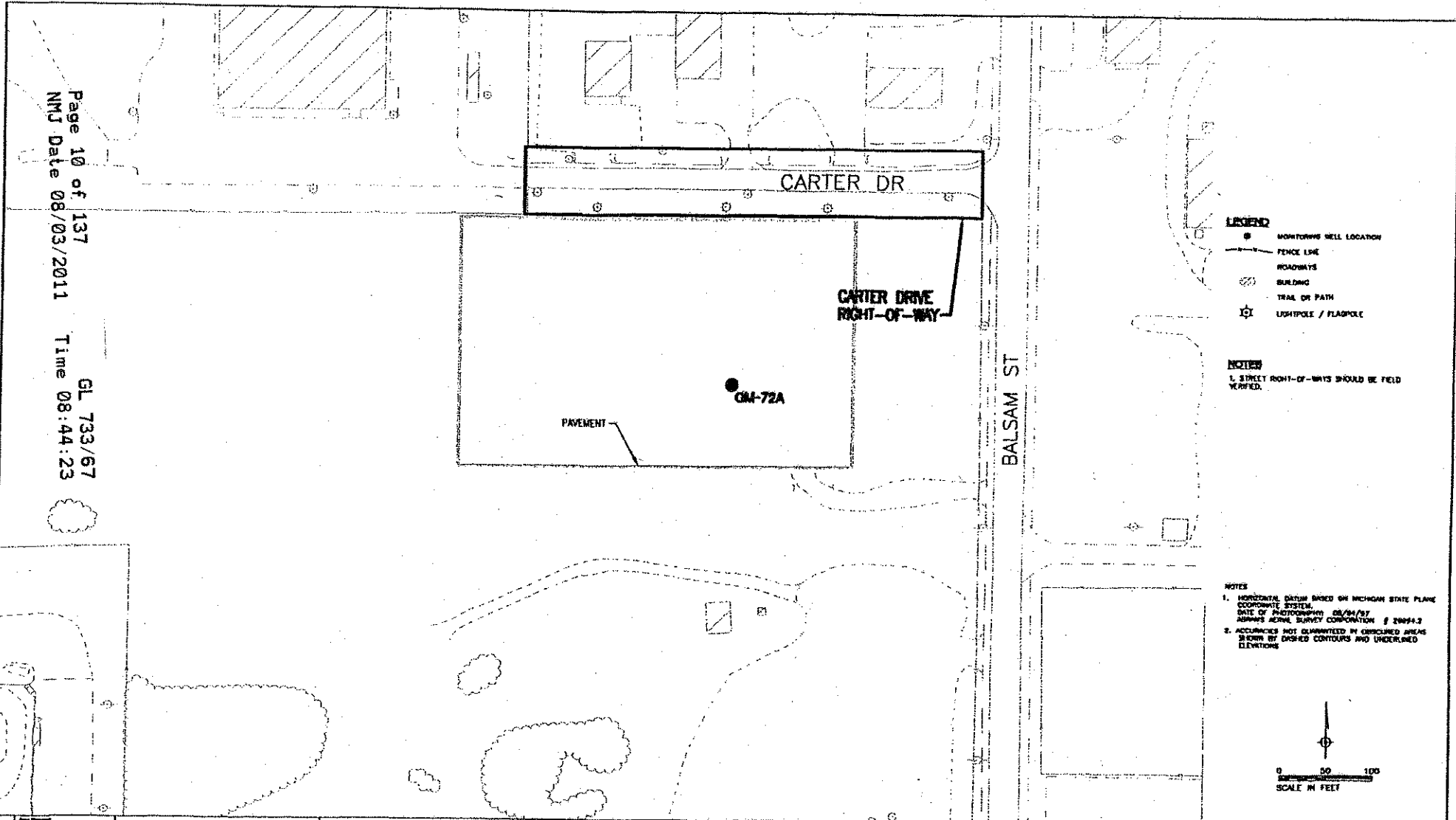
My commission expires: 5-26-2017

Prepared by and when recorded return to:
Tammy L. Helminski, Esq.
Dickinson Wright PLLC
500 Woodward Ave., Suite 4000
Detroit, MI 48226-3425

FIGURE 1

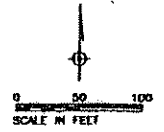
MAP OF THE PROPERTY, INCLUDING THE COVER SYSTEM

Project Name: FORD/KINGSFORD SITE
 Project No: 08-00001006
 Drawing No: 10-00001006-010-010-000
 Date: 08/03/2011
 Author: J. STEINBERGER
 Check: J. STEINBERGER
 Title: CIVIL ENGINEER



- LEGEND**
- MONITORING WELL LOCATION
 - FENCE LINE
 - ROADWAYS
 - ▭ BUILDING
 - - - TRAIL OR PATH
 - ☼ LIGHTPOLE / FLAGPOLE
- NOTES**
1. STREET RIGHT-OF-WAYS SHOULD BE FIELD VERIFIED.

- NOTES**
1. HORIZONTAL DATUM BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM
 DATE OF PHOTOGRAPHY 08/04/87
 ADAPTED AERIAL SURVEY CORPORATION # 20094-2
 2. ACCURACIES NOT GUARANTEED IN ENCLOSED AREAS SHOWN BY DASHED CONTOURS AND UNENCLOSED ELEVATIONS



Project Name	FORD/KINGSFORD SITE
Project No.	08-00001006
Drawing No.	10-00001006-010-010-000
Date	08/03/2011
Author	J. STEINBERGER
Check	J. STEINBERGER
Title	CIVIL ENGINEER

ARCADIS
 120 North Jefferson Street, Suite 400
 Milwaukee, Wisconsin 53202
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 www.arcadis-us.com

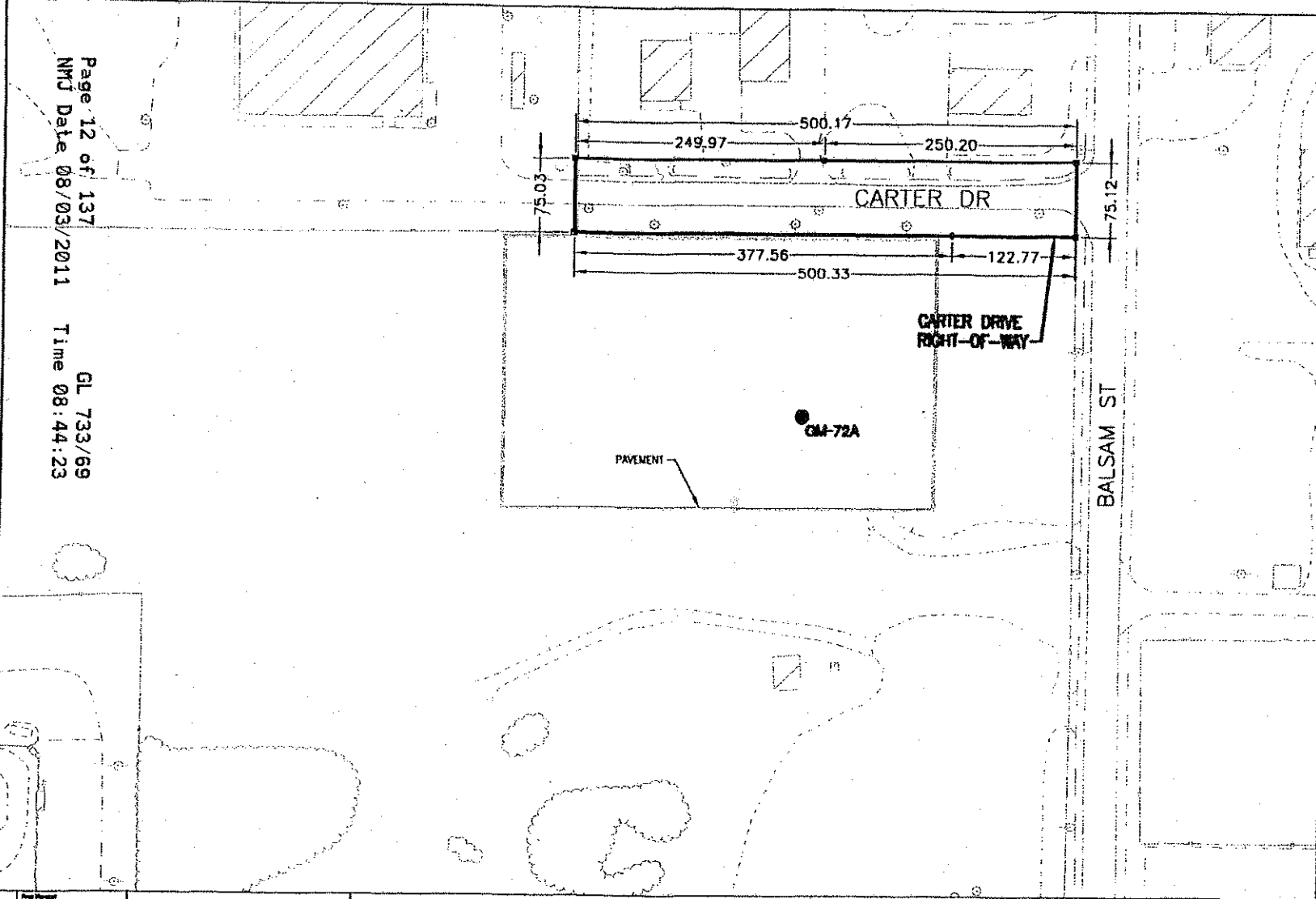
**RESTRICTIVE COVENANT
 CARTER DRIVE RIGHT-OF-WAY**
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

Project Number	W1001006
Drawing No.	10-00001006-010-010-000
Page	1

EXHIBIT A

LEGAL DESCRIPTION OF THE PROPERTY

11/11/11 10:27:11 AM 11/11/11 10:27:11 AM 11/11/11 10:27:11 AM 11/11/11 10:27:11 AM 11/11/11 10:27:11 AM 11/11/11 10:27:11 AM 11/11/11 10:27:11 AM 11/11/11 10:27:11 AM 11/11/11 10:27:11 AM 11/11/11 10:27:11 AM



- LEGEND**
- MONITORING WELL LOCATION
 - FENCE LINE
 - ROADWAYS
 - ▨ BUILDING
 - TRAIL OR PATH
 - ⊗ LIGHTPOLE / FLAGPOLE

LEGAL DESCRIPTION

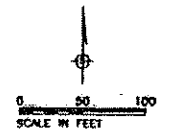
A DEED RESTRICTION AREA BEING PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 2, T34N-R21E, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS:

COMMENCING AT THE EAST 1/4 CORNER OF SECTION 2, THENCE NORTH 43° 17' 48.81" ALONG THE EAST LINE OF SECTION 2, THENCE SOUTH 57° 17' 48.81" TO A POINT OF THE WEST RIGHT OF WAY LINE OF BALSAM STREET AND THE POINT OF BEGINNING, THENCE WEST 57° 17' 48.81" TO THE POINT OF BEGINNING, THENCE SOUTH 57° 17' 48.81" TO THE NORTH RIGHT OF WAY LINE OF CARTER STREET, THENCE WEST 57° 17' 48.81" TO THE NORTH RIGHT OF WAY LINE OF CARTER STREET TO THE WEST RIGHT OF WAY LINE OF BALSAM STREET, THENCE NORTH 57° 17' 48.81" TO THE POINT OF BEGINNING CONTAINING 0.8621 ACRES AND SUBJECT TO RESTRICTIONS, RESERVATIONS, RIGHTS OF WAYS AND EASEMENTS OF RECORD.

NOTES

1. STREET RIGHT-OF-WAY SHOULD BE FIELD VERIFIED.

- NOTES**
1. HORIZONTAL DATUM BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM. DATE OF PHOTOGRAPHY: 05/04/87. AIRWAYS AERIAL SURVEY CORPORATION # 29994-2
 2. ACCURACIES NOT GUARANTEED IN OBTAINED AREAS SHOWN BY DOTTED CONTOURS AND UNDERLINED ELEVATIONS.



Project Manager	
Project Engineer	R. STICKNEY
Field Engineer	
Reviewer	

ARCADIS

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 Milwaukee, Wisconsin 53202
 TEL 414-278-7742 Fax 414-278-7809
 www.arcadis-us.com

LEGAL DESCRIPTION
CARTER DRIVE RIGHT-OF-WAY

FORDKINGSFORD SITE
 KINGSFORD, MICHIGAN

Project Number	WOOD1008
Scale/Date	1/8"=1'-0" / 08/03/11
Page	1

EXHIBIT B

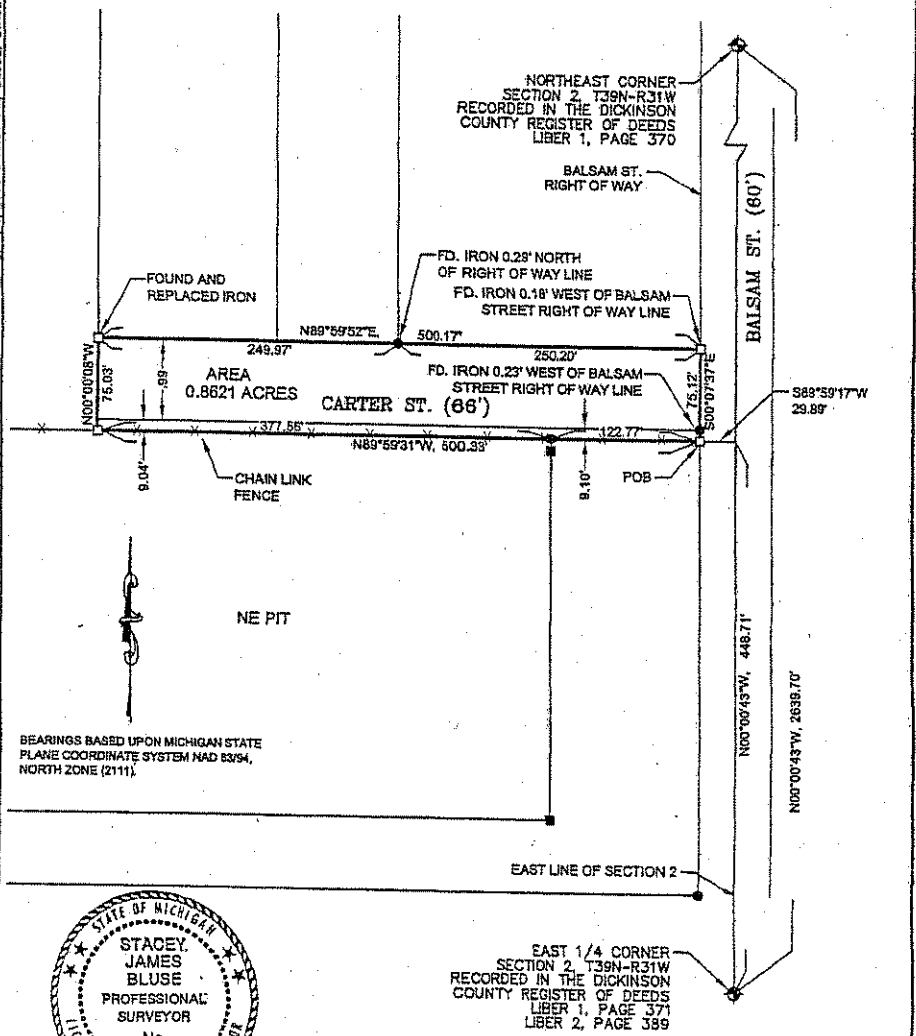
SURVEY OF THE PROPERTY

DEED RESTRICTION MAP

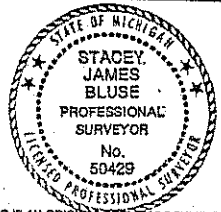
PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN

A Deed Restriction area being part of the Southeast 1/4 of the Northeast 1/4, Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:
 Commencing at the East 1/4 corner of Section 2; thence $N00^{\circ}00'43''W$, 448.71' along the East line of Section 2; thence $S89^{\circ}59'17''W$, 29.89' a point on the West right of way line of Balsam Street and the Point of Beginning; thence $N89^{\circ}59'31''W$, 500.33'; thence $N00^{\circ}00'08''W$, 75.03' to the North right of way line of Carter Street; thence $N89^{\circ}59'52''E$, 500.17' along the North right of way line of Carter Street to the West right of way line of Balsam Street; thence $S00^{\circ}07'37''E$, 75.12' to the Point of Beginning containing 0.8621 acres and subject to restrictions, reservations, rights of way and easements of record.

STJ/SJS/10022/arcadis/130-Dec-05/ALD EASEMENT AREAS NEAR NE PIT/ALD AREAS DEED RESTRICTIONS/04/03/2006 3:13:51 PM/BLUSE, STACEY



BEARINGS BASED UPON MICHIGAN STATE PLANE COORDINATE SYSTEM NAD 83/94, NORTH ZONE (2111).



THIS IS AN ORIGINAL SURVEY DOCUMENT IF THE SIGNATURE IS SIGNED IN BLUE.

STS Consultants, Ltd.
 BY: *Stacey J. Bluse* DATE: 3/1/06
 Stacey J. Bluse PS No. 60429

<p>STS CONSULTANTS 1050 Wilson St. Marquette, MI 906-228-2333 www.stsconsultants.com Copyright © 2006, by STS Consultants, Ltd.</p>	ORDERED BY: RICK STUDABAKER ARCADIS 120 N. JEFFERSON ST., STE. 400 MILWAUKEE, WI 53202	LEGEND ● - Found Iron ○ - Set Concrete Monument □ - Found Concrete Monument ■ - Set 6/8" Iron W/P-S, Cap #: 50429 R - RECORDED M - MEASURED	Drawn: SJB Date: 03/01/06 Scale: 1" = 100' PROJECT NUMBER: X210092
	REVISIONS	SHEET NUMBER: 1 OF 1	

EXHIBIT C

OPERATION AND MAINTENANCE AGREEMENT

**CARTER DRIVE RIGHT-OF-WAY
OPERATION AND MAINTENANCE AGREEMENT**

THIS CARTER DRIVE RIGHT-OF-WAY OPERATION AND MAINTENANCE AGREEMENT ("Agreement") is made and entered into this 1st day of AUG 2011, 2011, by and among the CITY OF KINGSFORD, MICHIGAN, a Michigan municipal corporation (the "City"), FORD MOTOR COMPANY, a Delaware corporation ("Ford"), and THE KINGSFORD PRODUCTS COMPANY, a Delaware corporation ("KPC").

WHEREAS, the City is entering a Declaration of Restrictive Covenant for the Carter Drive Right-of-Way (the "Property," described in Exhibit A hereto), which is owned by the City, for the purpose of protecting the public health, safety and welfare, and the environment by prohibiting or restricting activities that could result in unacceptable exposure to environmental contamination present at the Property;

WHEREAS, the City, Ford and KPC have agreed to perform certain operation and maintenance activities described below for the Property;

WHEREAS, the City has agreed to perform certain operation and maintenance activities upon the property, as set forth below. These activities will be the sole obligation of the City involving operation and maintenance of the property as related to the Consent Judgment entered in Case No. 04-1427-CE ("Consent Judgment"). Ford and KPC have acknowledged to the City that by performing these certain operation and maintenance activities, the City is not assuming any of Ford's or KPC's liability or responsibility under the Consent Judgment. In the event there exists a conflict as to the scope of "City activities" as set forth in this agreement and with the Owner's obligations in the Declaration of Restrictive Covenant entered into for the Property, so long as the City is the Owner, the City shall be obligated to perform only those "City activities" set forth in this agreement; and

WHEREAS, the City is willing to enter into this Agreement to permit Ford and KPC, and their designees, to acquire certain rights with respect to the Property in accordance with the provisions set forth in this Agreement.

AGREEMENTS:

1. City Activities. The City agrees to perform only the following operation and maintenance activities upon or with respect to the Property:
 - Maintain, and install as needed, a cover over the Property. Currently, this cover is comprised of both a roadway and a vegetative cover. If the City chooses to not maintain current roadway and vegetative cover, the City shall maintain an alternative cover, which may include existing soil and/or the existing roadway in an unmaintained state, that provides similar thickness and area of coverage.
 - Conduct on-site inspections and record in a dedicated logbook activities, observations, and actions taken by the City to maintain the roadway and vegetative cover.
 - Submit completed inspection forms to Ford/KPC annually.
 - Notify Ford/KPC of cover performance failure and of any planned work per Paragraphs 4 and 6(B) of the Declaration of Restrictive Covenant.

The activities listed in this Paragraph are hereinafter referred to as "City Activities."

2. Ford/KPC Activities. Ford and KPC agree to perform all other operation and maintenance activities required by the Consent Judgment, which are described in more detail in the Operation and Maintenance Plan for the Property, attached as Exhibit F to the Declaration of Restrictive Covenant and incorporated by reference herein, and are summarized below:
- Perform any response activities that may be required in the event solid waste beneath the cover becomes exposed, including sampling the affected environmental media, evaluating data, and taking mitigation measures, as appropriate
 - Make any notifications to, and prepare any reports for, the Michigan Department of Environmental Quality ("MDEQ") regarding the Property, as required by applicable law or agreements made by Ford and KPC
 - If waste materials attributable to Ford or KPC are removed from the Property in order to repair existing utilities or for the installation of new utilities or structures at the Property, Ford and KPC shall arrange for the disposal of the removed waste materials, shall be responsible for the cost of disposal thereof, and shall reimburse the City for any incremental cost the City occurs in handling any such waste materials.
 - Prepare operation and maintenance reports, as necessary
 - Retain records for a minimum of 3 years.

The activities listed in this Paragraph are hereinafter referred to as "Ford/KPC Activities."

3. Access. The City hereby gives access to the Property to Ford and KPC and their agents, consultants and contractors, as well as the Michigan Department of Natural Resources and Environment, as specified in Paragraph 5 of the Declaration of Restrictive Covenant.

4. Costs. The City will bear all costs for the implementation of the City Activities, and Ford and KPC shall bear all costs for the implementation of Ford and KPC Activities.

5. Compliance With Laws. Ford and KPC and the City shall comply with all applicable laws, codes, and regulations in conducting the respective Ford/KPC activities and City activities and shall obtain all necessary permits and approvals to do so. The City agrees to facilitate and expedite any application process relative to any City permit, authorization or approval that is necessary for any of the activities to be carried out pursuant to this Agreement.

6. Restricted Activities. The City agrees to execute and record the Declaration of Restrictive Covenant, which prohibits activities on the Property that may interfere with any response action and activities implemented in the area as fully described in the Former Northeast Pit Interim Response Action Plan, operation and maintenance activities associated with the response action and activities, monitoring activities and other obligations consistent with the response action and activities and Part 201 of the Natural Resources and Conservation Act, P.A.1994, No.451, as amended.

7. Successors and Assigns; Agreement to Run with the Land. This Agreement shall be binding upon, and shall inure to the benefit of, the successors and assigns of each of the parties hereto. This Agreement may be recorded by Ford and KPC and the rights and obligations set forth herein shall run with the land.

8. No Waiver. Failure of any party to insist upon the strict performance of any term, covenant or condition of this Agreement, or to exercise any right or remedy herein contained, shall not be construed as a waiver or relinquishment of such term, covenant, condition, right or remedy for the future, or a waiver or relinquishment of any other term, covenant, condition, right or remedy set forth in this Agreement.

9. Modifications. The Operations and Maintenance Plan may be modified by Ford/KPC and such modifications may be subject to the approval of the MDEQ. No modification shall result in different or an increase in City Activities without the written consent of the City. All Operations and Maintenance Plan modifications are incorporated into this Agreement.

10. Construction. This Agreement shall be construed and interpreted as if drafted by each party. It is acknowledged that this Agreement is the product of negotiations between the parties and shall not be construed or interpreted against either party based on such party having drafted this Agreement or any portion thereof.

11. Headings. The headings of this Agreement are for convenience only and shall not affect the meaning or construction of this Agreement.

12. Partial Invalidity. Any determination by a court of competent jurisdiction that any provision of this Agreement is invalid for any reason shall not affect the validity of any other provision.

13. Agents and Employees. The rights and obligations granted to the City, Ford and KPC under this Agreement may be exercised or performed by them acting through their respective agents, employees, consultants, contractors and designees.

14. Authority to Bind Parties. Each of the signatories to this Agreement represents that he/she has the authority to bind the party on whose behalf he/she has signed this Agreement.

15. Execution by Counterparts. This Agreement may be executed in a number of identical and separate counterparts, each of which is deemed to be an original, but all of which shall constitute collectively one Agreement.

Prepared by and when recorded return to:
Tammy L. Helminski, Esq.
Dickinson Wright PLLC
500 Woodward Ave., Suite 4000
Detroit, MI 48226-3425

Carter Drive Right-of-Way
Operation and Maintenance Agreement

CITY OF KINGSFORD,

By: [Signature]
Darryl K. Wickman
Its: City Manager

By: [Signature]
Paul Novara
Its: Mayor

STATE OF MICHIGAN)
) ss.
COUNTY OF DICKINSON)

On this, the 1st day of August, 2011, before me, a Notary Public, the above-signing officers, personally appeared Darryl K. Wickman & Paul Novara who acknowledged himself/~~herself~~ to be the City Manager and Mayor of the CITY OF KINGSFORD, a Michigan municipal corporation, and that he/~~she~~ as such Manager & Mayor of the CITY OF KINGSFORD, being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the municipal corporation by himself/~~herself~~ as such the City Manager and Mayor on behalf of the City of Kingsford a municipal corporation.

In witness whereof, I hereunto set my hand and official seal

[Signature]
Notary Public, Bruce W. Brouillette

County of DICKINSON

State of MICHIGAN

Acting in Dickinson County

My commission expires: 5-26-2017

Carter Drive Right-of-Way
Operation and Maintenance Agreement

THE KINGSFORD PRODUCTS COMPANY LLC

By: [Signature]
Name: Angela C. Hilt
Its: Vice President - Secretary

The Kingsford Products Company LLC:

State of California
County of _____

Subscribed and sworn to (or affirmed) before me on this _____ day of _____, 201____, by _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

See below Jurat

(seal)

Signature _____

State of California County of

Alameda

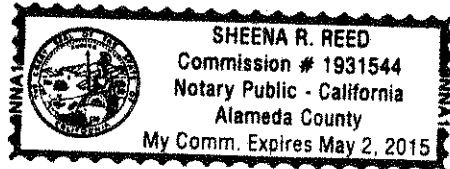
Subscribed and sworn to (or affirmed)

before me on this 20th day of July, 2011, by

Angela Hilt

proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

Signature [Signature]
(Seal) Sheena R. Reed
Notary Public



Carter Drive Right-of-Way
Operation and Maintenance Agreement

FORD MOTOR COMPANY

By: Bradley M. Gayton

Name: Bradley M. Gayton

Its: Assistant Secretary

STATE OF _____)
) SS
COUNTY OF _____)

The foregoing instrument was acknowledged before me on this 7 day of July, 2011, by Bradley M. Gayton the Assistant Secretary of Ford Motor Company, on behalf of said Company.

Linda G. Bingham
Notary Public
Wayne County, Michigan
Acting in _____ County
My Commission Expires: _____

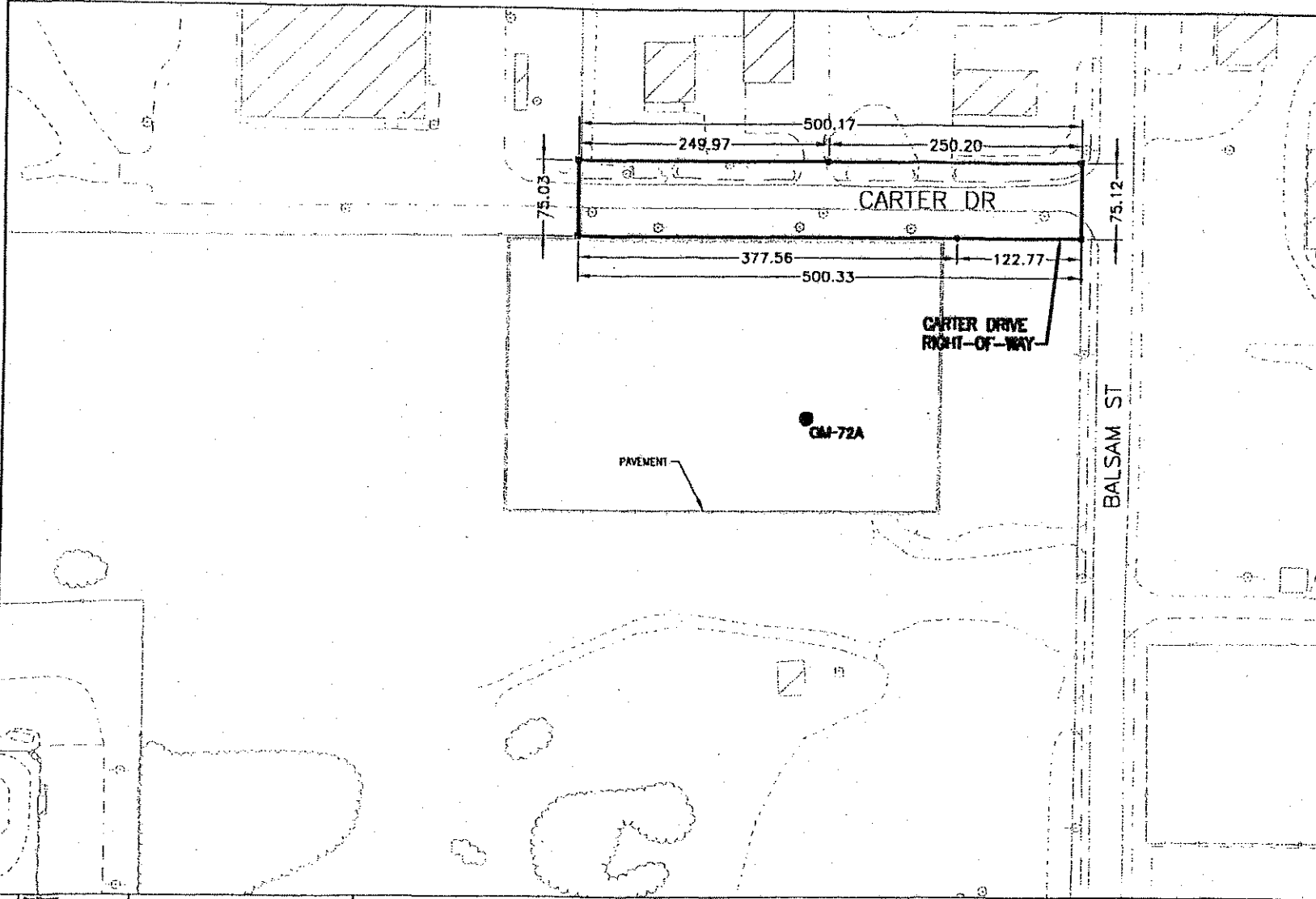
LINDA G. BINGHAM
NOTARY PUBLIC STATE OF MICHIGAN
COUNTY OF WAYNE
My Commission Expires AUGUST 15, 2011
Acting in the County of Wayne

DRAFT

EXHIBIT A

LEGAL DESCRIPTION OF THE PROPERTY

Project Name: Kingsford Site Remediation
 Project No: 2010-001
 Drawing No: 2010-001-01
 Date: 08/20/11
 Scale: As Shown
 Author: [Redacted]
 Checker: [Redacted]
 Title: LEGAL DESCRIPTION

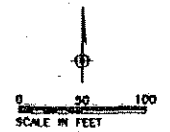


- LEGEND**
- MONITORING WELL LOCATION
 - FENCE LINE
 - ROADWAYS
 - ▨ BUILDING
 - - - TRAIL OR PATH
 - ⊗ LIGHTPOLE / FLAGPOLE

LEGAL DESCRIPTION
 A DEED RESTRICTION AREA BEING PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 2, T29N-R21E, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS: COMMENCING AT THE EAST 1/4 CORNER OF SECTION 2; THENCE N00°04'37" W, 448.91' ALONG THE EAST LINE OF SECTION 2; THENCE S89°51'10" W, 25.00' A POINT OF THE WEST RIGHT OF WAY LINE OF BALSAM STREET AND THE POINT OF BEGINNING; THENCE N90°05'31" W, 500.33'; THENCE N00°00'00" W, 75.03' TO THE NORTH RIGHT OF WAY LINE OF CARTER STREET; THENCE N00°00'00" W, 500.17' ALONG THE NORTH RIGHT OF WAY LINE OF CARTER STREET TO THE WEST RIGHT OF WAY LINE OF BALSAM STREET; THENCE S00°53'57" E, 122.77' TO THE POINT OF BEGINNING CONTAINING EASEMENTS, RIGHTS OF WAY AND EASEMENTS OF RECORD.

NOTES
 1. STREET RIGHT-OF-WAYS SHOULD BE FIELD MARKED.

- NOTES**
- HORIZONTAL DATUM BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM.
 - DATE OF PHOTOGRAPH: 05/24/07
 - ADVANCE AERIAL SURVEY CORPORATION # 24994-L
 - ACCURACIES NOT GUARANTEED IN OBTAINED AREAS SHOWN BY DASHED CONTOURS AND UNDERLINED ELEVATIONS.



Project Manager	
Project Engineer	N. STEINBERGER
Task Manager	
Technical Writer	

ARCADIS

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 Milwaukee, Wisconsin 53202
 Tel: 414-278-7742 Fax: 414-278-7809
 www.arcadis-usa.com

**LEGAL DESCRIPTION
 CARTER DRIVE RIGHT-OF-WAY**

FORDKINGSFORD SITE
 KINGSFORD, MICHIGAN

Project Number	W201005
Working Title	201005
Page	1

Date: 08/20/11 Time: 08:44:23

EXHIBIT D

WASTE MANAGEMENT PLAN FOR THE PROPERTY

ARCADIS

Exhibit D

Waste Management Plan

**Carter Drive Right-of-Way
Ford/Kingsford Site
Kingsford, Michigan**

Prepared for:
**Ford Motor Company
The Kingsford Products Company**

1. Introduction	1
1.1 Purpose and Scope	1
2. Background	3
2.1 Site Description	3
2.2 Interim Response Summary	3
2.3 Waste Materials Removed	3
2.3.1 Waste Material Left In Place	4
3. Future Work	5
3.1 Excavation, Backfilling, and Grading	5
3.1.1 Clearing and Grubbing	5
3.1.2 Excavation and Backfilling	5
3.2 Solid Waste	6
3.2.1 Waste Material	6
3.3 Stormwater Management	6
3.4 Construction Stormwater, Sediment, and Erosion Control Practices	7
3.4.1 Silt Fences	8
3.4.2 Diversion Ditches	8
3.4.3 Check Dams	8
3.4.4 Temporary Construction Entrances	9
4. Employee Training	10
5. Emergency Response	11
5.1 Spill Prevention	13
6. Implementation	14
7. WMP Approvals	15

Figure

D-1 Site Location, Carter Drive Right-of-Way Property, Ford/Kingsford Site, Kingsford, Michigan.

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Carter Drive Right-of-Way
Ford/Kingsford Site
Kingsford, Michigan

1. Introduction

This Waste Management Plan (WMP) has been prepared for use in conjunction with implementation of the Restrictive Covenant for the Carter Drive Right-of-Way Property (the "Property") at the Ford/Kingsford Products Site (KPS) in Kingsford, Michigan. Waste generated at the Property during the implementation of the Interim Response and in future work conducted at the Property will be handled in accordance with this plan. This document is organized to provide background information for the Property, present the implementation waste management plan, and present the approach for future waste management, in the event that construction work takes place. This WMP has been developed in compliance with Natural Resource and Environmental Protection Act, Act 451 of 1994. If any conditions or scope of work covered by the WMP change, a site-specific addendum will be generated prior to the beginning of any work. All work will be performed in accordance with applicable federal, state, and local regulations.

1.1 Purpose and Scope

The objective of this WMP is to provide a framework for management of waste generated from intrusive construction activities (subsurface utility work, drilling, excavation, or construction) that disturb waste or impacted soil within the Property. The depth at which there is the potential for soil and waste to be disturbed is greater than 10 inches. This WMP describes the methods and protocol that will be implemented for removal and disposal of waste, as set forth in Part 115, Solid Waste Management, and Part 91, Soil Erosion and Sedimentation Control, of the Natural Resources and Environmental Protection Act (NREPA). This WMP is to be used in conjunction with the Carter Drive Right-of-Way Contractor Health and Safety Plan (CHASP) Guideline and the Carter Drive Right-of-Way Operation and Maintenance Plan.

Elements of this WMP address the following:

- Excavation, Filling, and Grading.
- Disposal of Generated Waste.
- Stormwater, Sediment, and Erosion Control Practices.
- Safety, Health, and Emergency Response.

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**Exhibit D
Waste Management
Plan**

Carter Drive Right-of-Way
Ford/Kingsford Site
Kingsford, Michigan

- Waste Management Team.

The WMP defines the manner in which material generated from the construction activities will be managed. Specifically, this plan addresses:

- Potential types of waste material generated.
- Stormwater management approach.
- Spill prevention.

ARCADIS

Carter Drive Right-of-Way
Ford/Kingsford Site
Kingsford, Michigan

2. Background

2.1 Site Description

The city of Kingsford is located in southwestern Dickinson County, in the western part of Michigan's Upper Peninsula. The City is bounded by the Menominee River on the west and south, by the City of Iron Mountain on the north, and by Breitung Township on the east. The Carter Drive Right-of-Way Property is an approximate 500 foot stretch of roadway owned by the City of Kingsford, and is associated with the former Northeast Pit Area. The location of the Property is shown on Figure D-1.

Land use near the Property is primarily industrial/commercial. The Kingsford Municipal Garage is located west of the Property at the end of Carter Drive. The former Northeast Pit is located to the south and the commercial businesses Van Ert Electric, Walco and the former Superior Contracting are located to the north. Balsam Street and the Former Plant Site are located on the east side.

2.2 Interim Response Summary

The response activities that have been implemented to address environmental contamination are fully described in the Northeast Pit IRAP dated January 8, 2003, and Addendum, and submitted by ARCADIS G&M, Inc. on behalf of Ford Motor Company ("Ford") and The Kingsford Products Company LLC ("KPC"). The Michigan Department of Environmental Quality ("MDEQ") approved the IRAP in a letter dated August 25, 2003, pursuant to Part 201 of the NREPA, 1994 PA 451, as amended, MCL 324.20101 *et seq.* Ford and KPC intend to incorporate the IRAP into a Remedial Action Plan.

2.3 Waste Materials Removed

The waste material removed from the Property is a combination of various types of material. The waste materials encountered were made up of the following materials:

- Wood tar.
- Solely wood products (wood pieces, wood chips, bark, sawdust, and construction debris).

- Combination of wood sludge, wood products, charcoal fragments, and carbon fragments.
- Soil laden with tar.

2.3.1 Waste Material Left in Place

The waste material remaining beneath the Property is a combination of various types of material. The waste materials encountered were made up of the following materials:

- Wood tar.
- Solely wood products (wood pieces, wood chips, bark, sawdust, and construction debris).
- Combination of wood sludge, wood products, charcoal fragments, and carbon fragments.

The estimated volume of waste that was left in place below the Carter Drive Right-of-Way is approximately 100 to 600 cubic yards. This estimation was derived by determining the approximate length of the waste material found along Carter Drive while excavating at the former Northeast Pit (NE Pit) (300 feet), by determining the approximate thickness of the waste material found that appears to go beneath Carter Drive during the former NE Pit excavation (6 inches to 3 feet) and approximating that the waste material does not extend past Carter Drive in width (20 feet).

3. Future Work

Any future construction activities involving below grade earth work at the Property will follow this WMP and the Carter Drive CHASP guideline, if there is the possibility of dermal contact with impacted soils or waste materials as a result of the activities. Any soils/waste materials that are excavated during future construction activities will need to be managed in accordance with this WMP.

After any future construction activities are complete, any portion of the asphalt barrier disturbed will need to be restored to pre-construction conditions. Waste materials encountered will be managed according to Section 3.2.1, Waste Material. The waste materials removed shall be replaced with clean imported fill and compacted in place. The disturbed area will be checked for settlement after construction activities. If settling has occurred, the contractor will have to make accommodations to restore the Property to pre-construction condition. The WMP will be followed any time that impacted soil, waste or groundwater may be generated from onsite activities.

3.1 Excavation, Backfilling, and Grading

3.1.1 Clearing and Grubbing

Clearing and grubbing will be performed on an incremental basis and only in areas of active construction. Proper sediment controls will be implemented in all disturbed areas, as necessary, and disturbed areas will be restored as soon as possible after construction is complete. Surface vegetation encountered during clearing and grubbing activities that occur will be managed as clean material, providing they have not contacted with the waste material.

3.1.2 Excavation and Backfilling

Prior to excavation activities, the appropriate stormwater controls will be chosen and utilized as described in Sections 3.3 and 3.4 of this document. Proper sediment controls will be implemented in disturbed areas, and disturbed areas will be backfilled and restored as soon as practicable following completion of the excavation activities. Temporary barriers will be constructed around the perimeter of the excavation. The barriers will be maintained during excavation and in the interim period between the completion of an excavation and backfilling to prevent surface runoff from entering the excavation. Excavated waste materials from under the barrier will be managed as described in Section 3.2, Solid Waste.

3.2 Solid Waste

The existing barrier (asphalt pavement, landscaping, and clean fill cover) provides a barrier to mitigate human exposure to subsurface waste and should not be problematic in future surface construction that may take place. The following sections describe the methods that will be used to manage wastes generated from future activities that penetrate the barrier, or as a contingency plan in the event of barrier failure. The CHASP guideline describes establishment of work zones, decontamination area, and recommended work practices if construction activities involve contact with the waste material. Proper personnel, equipment, material control, and management are essential to minimize cross-contamination and protect human health and the environment.

Past source delineation activities at the Property have identified the waste material as predominately soil, wood products, wood tar, charred wood fragments, charcoal fragments, and demolition debris. Additional demolition debris such as concrete, rebar, wood, and bricks are also present above the waste material.

3.2.1 Waste Material

Handling of solid wastes with constituent concentrations above the direct contact criteria may be required if future excavation takes place below land surface. The waste material encountered in future work, or due to barrier failure, will be contained and transported to an appropriate off-site disposal facility, within 60 days of discovery. Future work encountering waste may require actions such as a temporary soil cover or drum containment (of small quantities) while the planning of permanent corrective actions and/or restoration of the protective barrier takes place.

3.3 Stormwater Management

Construction at the site is to be conducted according to the requirements of the Clean Water Act for protection of water quality at the site. Engineering controls will be established to prevent water run-off and run-on during excavation and construction activities. Containment systems will be deployed as necessary to prevent soils and sediments associated with excavation from reaching stormwater drainage points at the site.

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Carter Drive Right-of-Way
Ford/Kingsford Site
Kingsford, Michigan

3.4 Construction Stormwater, Sediment, and Erosion Control Practices

Part 91 of the NREPA may require a Soil and Sedimentation Control Permit prior to construction depending on the amount of disturbed soil. Permit requirements and application are the responsibility of the contractor. Although the potential for excavation of waste beneath the Property is unlikely, these guidelines are included in this document should construction be expanded for any reason and the potential for stormwater contact exist. Functional sediment and erosion controls must be constructed before commencing land disturbance activities. In individual construction areas, controls shall be constructed as soon as practicable after first disturbance of soil. Suggested erosion and sediment control practices include (but are not limited to):

- Sediment and erosion controls.
- Stormwater management practices.
- Sediment traps.

The sediment and erosion controls may consist of the following:

- Silt fence.
- Diversion ditches.
- Check dams.
- Temporary construction entrances.

These controls are designed to prevent erosion of soil during construction activities and to protect stormwater quality after construction is complete. Controls are also in place to trap eroded material before it enters the storm drainage system, and trap sediment before it leaves the site. All controls will be maintained in good condition and inspected periodically after beginning of a storm event. The need for each of the controls will be determined based on the site conditions. Each control is discussed in greater detail in the following subsections.

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Kingsford, Michigan

3.4.1 Silt Fences

Silt fences are used for sediment and erosion control during construction wherever runoff is expected in the form of sheet flow. Specifically, silt fences will be installed around soil stockpiles, along the downslope perimeter of utility trenches, and along the downslope perimeters of construction areas. Silt fences decrease flow velocity and trap sediments where sheet flow conditions exist or where flow is through tiny rills that can be converted to sheet flow. Silt fences will not be used where flow is channelized. The silt fence shall be erected on relatively level ground a minimum distance of five feet from the toe of a slope. The bottom of the silt fences should be buried in the ground a minimum of 6 inches to prevent runoff from passing beneath the fence. Individual panels will be overlapped, and the ends of the silt fences will bend upslope to prevent water from flowing around the fence.

3.4.2 Diversion Ditches

Diversion ditches are used to carry sediment-laden runoff into a control structure or to carry clean runoff away from disturbed areas. The ditches provide permanent runoff control at the site. They are to be constructed on grade and act to intercept and transport channelized flows. Riprap check dams constructed along the lengths of the ditches on a regular spacing decrease flow velocity and facilitate settling-out of sediments by dissipating energy. Ditches that are to remain in place for longer than 30 days will be seeded and mulched, weather permitting. Sediment traps collect stormwater runoff from the diversion ditches for removal of soil particles prior to onsite discharge.

3.4.3 Check Dams

Check dams are constructed in diversion ditches to decrease flow velocity and facilitate settling-out of sediments by dissipating energy. The check dams provide runoff control during construction by causing sediment to settle out within the diversion ditches and by minimizing the amount of erosion by water flowing through the ditches. This minimizes the quantity of sediment being delivered to the sediment ponds. Temporary rock check dams may also be constructed in outlet channels to trap sediment that may enter the storm drainage system. A typical check dam is approximately 2 feet high and 2 feet wide at the top. The upslope riprap face of the check dams will be covered with 6 inches of washed stone.

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Ford/Kingsford Site
Kingsford, Michigan

3.4.4 Temporary Construction Entrances

Temporary construction entrances will consist of gravel pads constructed of coarse aggregate (2- to 3-inch stone). The pads will be constructed in areas found to have relatively dry, firm soil to minimize the amount of soil or mud that adheres to the truck tires and undercarriages. In this way, the construction entrances will provide temporary soil stabilization during construction. If temporary construction entrances are needed, geotextile fabric shall be placed over the subgrade beneath the pads in wet areas. Truck and heavy equipment traffic will be routed over the pads, minimizing the tracking of soils around and off the site. Trucks will be decontaminated by steam cleaning prior to exiting the site if in contact with waste material. The CHASP guideline describes establishment of work zones and a decontamination area, if waste is encountered.

Heavy equipment used in impacted areas will be decontaminated prior to moving to a clean location and before leaving the site. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris. Where possible, impacted soil deposits will be removed.
- After removal of gross debris, the equipment will be steam cleaned using a high-pressure washer (i.e., Hotsy Corporation Hot-Washer Pressure Washer).
- After steam cleaning, the equipment will be allowed to dry and will be reinspected. Any remaining visible debris will be re-cleaned through additional pressure washing.

After any debris is removed, according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the close out of the activities involving contact with waste material or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment will be inspected prior to release from the facility and inspection results will be documented in field logbooks. Decontamination wash water will be collected and sent to either the wastewater treatment plant or a treatment/disposal system. The CHASP guideline contains information regarding management of work zones and decontamination.

4. Employee Training

The employee training program will inform project personnel of the components and objectives of the WMP, and the measures that will be implemented to ensure that these objectives are attained. Training will address each component of the WMP, and will inform personnel as to why and how control practices are to be implemented.

Topics will include, at a minimum, the following:

- Spill prevention and response.
- Good housekeeping practices.
- Equipment operations training.
- Material management practices.
- Inspection and maintenance of sediment and erosion control practices.

Certain employees will receive initial training at the start of construction and refresher training thereafter, as necessary. Hazardous material training is discussed in the CHASP guideline for the site, and is pertinent for personnel to be working with waste material.

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Carter Drive Right-of-Way
Ford/Kingsford Site
Kingsford, Michigan

5. Emergency Response

The CHASP guideline generated for the Carter Drive Right-of-Way Restrictive Covenant contains detailed emergency response procedures, and is applicable to this WMP for both the former Northeast Pit Area IRAP and for future work. A list of emergency contacts and phone numbers is listed in the CHASP.

Should a spill or leak of a hazardous substance occur, the following procedures will be followed:

- Contact the National Response Center immediately at (800) 424-8802.
- Contact the Michigan Department of Environmental Quality/Regional Environmental Protection Agency Office within 24 hours of discovery at (906) 875-6622.
- Contact the Breitung Fire Department immediately at (906) 774-7505.
- Contact the State Fire Marshall immediately at (517) 336-6604.
- For a release that goes beyond the boundary of the property, immediately contact the local emergency planning committee (LEPC) for the area affected (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). Submit a written report as soon as practicable after release to the state emergency response commission, in care of the MDEQ, Environmental Assistance Division, and to the LEPC.
- For an unpermitted release over a 24-hour period of a hazardous substance, contact the MDEQ, Environmental Response Division district office (or pollution emergency alerting system [PEAS] after hours) within 24 hours of discovery. From within Michigan, call 800-292-4706; from outside Michigan, call 517-373-7660.
- For an incident involving transportation of hazardous materials that results in fire, death, injury, property damage, evacuation, highway closure or flight pattern alteration, contact the U.S. Department of Transportation (DOT) at 800-424-8802. Submit written report to DOT within 30 days of discovery.

**Exhibit D
Waste Management
Plan**

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Carter Drive Right-of-Way
Ford/Kingsford Site
Kingsford, Michigan

- For a release that results in one death or the hospitalization of three or more persons, contact the Michigan Occupational Safety and Health Act Hotline at 800-858-0397 within 8 hours of the incident.
- For unpermitted release to the public sewer system, surface water or groundwater from an oil storage facility or on-land facility of a polluting material, contact PEAS as soon as practicable after detection (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). Submit written report within 10 days after release to the MDEQ, Waste Management Division chief.

For situations that involve materials other than fuel:

Where any amount of characteristic hazardous or listed hazardous waste (as defined in R 299.9203 "Hazardous Waste Rule 203"), has reached the surface water or groundwater,

or

A fire, explosion, or other release of hazardous waste or hazardous waste constituents occurs that could threaten human health or the environment.

or

A release of >1lb (or ≤1lb if not immediately cleaned up) hazardous waste to the environment from a tank system or associated secondary containment system.

- Immediately contact PEAS within 24 hours of discovery (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). If threat to human health or environment, call the National Response Center (800-424-8802). Written report may be required.
- If liquid industrial waste spill could threaten public health, safety, welfare or the environment, or has reached surface water or groundwater, immediately call PEAS (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). Submit written report within 30 days of incident to MDEQ, Waste Management Division district supervisor.

For situations that involve polychlorinated biphenols (PCBs):

**Exhibit D
Waste Management
Plan**

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Carter Drive Right-of-Way
Ford/Kingsford Site
Kingsford, Michigan

- Where there is a spill of PCBs, contact the United States Environmental Protection Agency Region V Toxic Program Section at 312-886-6003 as soon as possible after discovery, and within 24 hours.

In the event of a release, this WMP will be amended within 14 calendar days of the event to minimize the chance of event reoccurrence.

5.1 Spill Prevention

To prevent or minimize the potential for stormwater and groundwater contamination at fueling areas, the following general practices for all near-term and future construction will be implemented:

- Leaks and spills will be contained and cleaned-up as soon as possible using dry absorbent materials, and leaking equipment will be removed from the site and repaired or replaced.
- Fuel drums, tanks, and containers will be stored in a bermed area or in overpack containers, spill pallets, or similar containment devices with a capacity of 110 percent of the volume of stored fuel.

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Carter Drive Right-of-Way
Ford/Kingsford Site
Kingsford, Michigan

6. Implementation

Implementation of this WMP during construction will be the responsibility of the Waste Management Team, as provided by the construction Contractor. Waste Management Team members will be properly trained as discussed in Section 5.0 of this document. A list of objectives and implementation procedures will be developed for each construction task, along with a preliminary task completion schedule. The Waste Management Team will also be responsible for ensuring stormwater and sediment and erosion control practices are in place at the appropriate time.

**Exhibit D
Waste Management
Plan**

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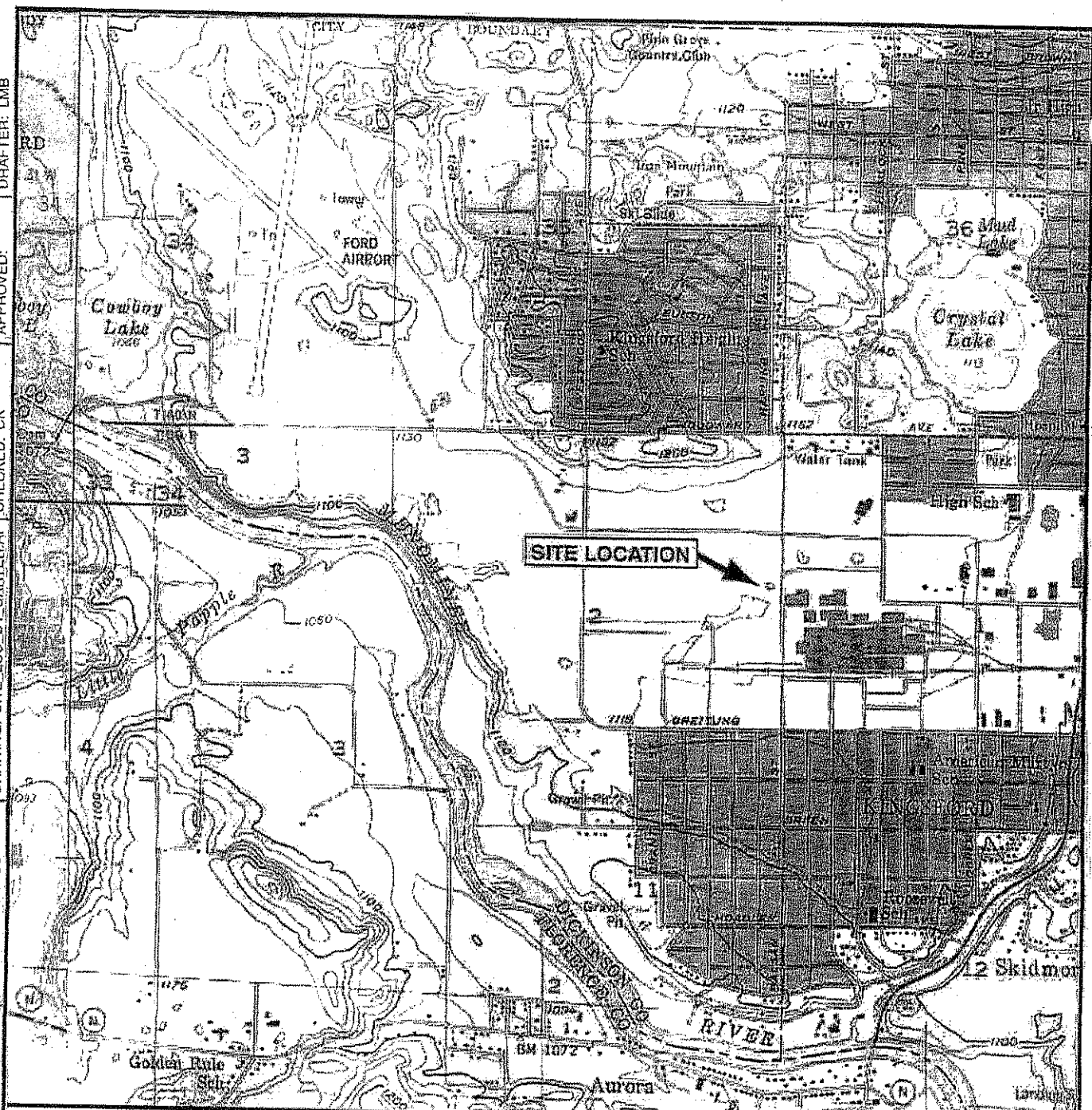
Carter Drive Right-of-Way
Ford/Kingsford Site
Kingsford, Michigan

7. WMP Approvals

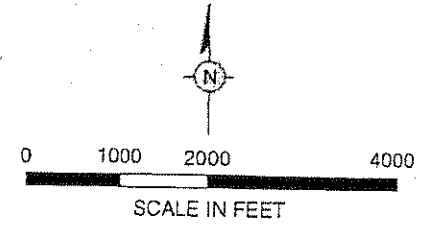
By their signature, the undersigned certify that this WMP is approved and will be utilized for operations to be conducted under this plan.

_____	_____
Contractor Project Manager	Date
_____	_____
Contractor Waste Management Team Leader	Date
_____	_____
ARCADIS Project Manager	Date

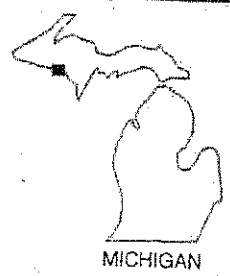
DWG DATE: 24FEB06 | PN: FORDW10637-2006 | FILE NO.: GRAPHICS | DRAWING: SITE LOC D1 CARTER | CHECKED: CK | APPROVED: | DRAFTER: LMB



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982



Page 42 of 137
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SITE LOCATION MAP

CARTER DRIVE RIGHT-OF-WAY
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE

D-1

EXHIBIT E

HEALTH AND SAFETY PLAN GUIDELINE FOR THE PROPERTY

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Exhibit E

**Construction Health and Safety
Plan Guideline**

**Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan**

**Prepared for:
Ford Motor Company
The Kingsford Products Company**

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Table of Contents

1. Introduction	1
2. Contractor Organization and Responsibilities	3
2.1 Organizational Structure	3
2.2 Record Keeping Requirements	4
2.3 Training	5
2.4 Health and Safety Meeting	7
2.5 Health Monitoring and Surveillance	7
3. Background	10
3.1 Site Description	10
3.2 Interim Response Summary	10
3.2.1 Waste Material Left In Place	11
4. Chemical Constituent Descriptions	12
5. Potential Exposure Pathways and Hazard Evaluation	19
5.1 Chemical Hazards	19
5.2 Physical Hazards	19
5.2.1 Flammability and Explosivity of Vapors	20
5.2.2 Construction Explosive Hazards	20
5.2.3 Noise Exposure	20
5.2.4 Heat/Cold Stress	20
5.2.5 Lacerations and Contusions (Cuts and Bruises)	21
5.2.6 Insect and Wildlife Hazards	21
5.2.7 Lifting Hazards	21
5.2.8 Packaging and Shipping Hazards	21
5.3 Field Activities/Physical Hazards	21
5.3.1 Hazard Analysis: Excavation	21
5.3.2 Hazard Analysis: Asphalt Protective Cover	22
5.3.3 Hazard Analysis: Collecting Soil Samples for Laboratory Analysis	23

6.	Personnel Protection Program	24
6.1	Level D Protection	24
6.2	Level D Modified Protection	25
6.3	Level C Protection	25
6.4	Level B Protection	27
6.5	Decontamination Procedures	28
6.5.1	Level D Decontamination Procedures	28
6.5.2	Level C Decontamination Procedures	28
6.6	Heat Stress Control and Monitoring	30
6.7	Cold Stress Control and Monitoring	31
7.	Air Monitoring	33
7.1	Air Monitoring	33
7.2	Perimeter Monitoring	33
7.3	Organic Vapor Monitoring	34
7.4	Combustible Gas/Oxygen Monitoring	35
7.5	Noise Level Monitoring	35
8.	Site Control	37
8.1	Site Preparation	37
8.2	Work Zones	38
8.2.1	Exclusion Zone	38
8.2.2	Contaminant Reduction Zone	38
8.2.3	Support Zone	39
8.3	General Work Rules	39
8.3.1	Overhead Utilities	40
8.3.2	Inclement Weather	40
8.3.3	Manual Lifting	41
8.3.4	Portable Ladders	41

ARCADIS

Table of Contents

8.3.5	Heavy Equipment Safety	42
8.3.6	Driver Safety	43
8.3.7	Power and Hand Tools	43
8.3.8	Hand Protection	43
8.3.9	Lockout/Tagout	44
8.3.10	Traffic Control	44
8.3.11	Material Storage	44
8.3.12	Fire Prevention	44
8.3.13	Inspections	44
8.4	Site Security	45
8.5	Site Visitors	45
8.6	Disposal of Material	46
9.	Engineering Controls	47
10.	Emergency Procedures	48
10.1	Emergency Phone Numbers and Hospital Location	48
10.2	Personnel Injury in the Exclusion Zone	48
10.3	Personnel Injury in the Support Zone	48
10.4	Fire/Explosion Emergency Procedures	49
10.4.1	Emergency Procedures	49
10.4.2	Emergency Medical Care	50

Tables

- E4-1 Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.
- E6-1 Signs and Symptoms of Chemical Exposure and Heat Stress that Indicate Potential Medical Emergencies, Ford/Kingsford Site, Kingsford, Michigan.
- E7-1 Action Levels, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.
- E10-1 Emergency Phone Numbers and Directions to Dickinson Country Memorial Hospital, Ford/Kingsford Site, Kingsford, Michigan.

Figures

- E2-1. Project Health and Safety Organization and Reporting, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.
- E2-2. Sample Health and Safety Meeting Form, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.
- E2-3. Sample Field Team Review Sheet, Ford/Kingsford Site, Kingsford, Michigan.
- E2-4. Sample Visitor Review of Site Health and Safety Plan, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.
- E2-5. Sample Emergency Medical Data Sheet, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.
- E2-6. Sample Emergency Report Form, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.
- E2-7. CHASP Approvals, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.
- E3-1. Site Location Map, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.
- E6-1. Minimum Decontamination Layout; Level D Protection, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.
- E6-2. Minimum Decontamination Layout; Level C Protection, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.
- E10-1. Route to Hospital, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.

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Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

1. Introduction

This Construction Health and Safety Plan Guideline (CHASP) has been prepared for the Carter Drive Right-of-Way Property at the Ford/Kingsford Site in Kingsford, Michigan (the "Property"). This document presents requirements that must be incorporated into a contractor generated Construction Health & Safety Plan (Contractor CHASP) when conducting construction activities that could potentially disturb the barrier and expose personnel to waste materials present below the barrier. The Contractor will generate the Contractor CHASP as part of their work for the identified site conditions, scope of work, and necessary personnel in accordance with the guidelines presented here. The contractors may include additional content consistent with their own corporate health and safety guidelines or procedures. The responsibility for the development, implementation, and enforcement of the Contractor CHASP lies solely with the Contractor.

The elements of the Contractor CHASP are based upon the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (October 1985) and the Michigan Occupational Safety and Health Act and its Rules. These guidelines have been supplemented by information obtained during site investigation activities. All reasonable precautions will be taken by the selected Contractor and its subcontractors to protect the safety and health of workers and the general public. All work will be performed in accordance with applicable federal, state, and local regulations.

The objective of this CHASP is to structure and maintain safe working conditions at the site and to develop a plan of action in the case of a site emergency during field activities. The safety organization and procedures have been established based on an analysis of potential hazards, and personnel protection measures have been selected in response to these potential hazards.

Elements of this plan address the following:

- Project Organization
- Site History and Project Description
- Training
- Potential Hazards of Site Contaminants

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**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- Activity Hazard Analysis
- Safety Considerations for Site Operations
- Protective Equipment
- Monitoring Requirements
- Site Control Zones and Communication
- Medical Surveillance
- Decontamination and Waste Disposal
- Emergency Response Plan

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**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

2. Contractor Organization and Responsibilities

The Contractor will be responsible for its employees and their adherence to the Contractor CHASP during construction activities that have the potential to disturb the barrier and expose personnel to the waste material below the barrier. The Contractor CHASP will adhere to the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (October 1985 and March 1989) prepared by the National Institute for Occupational Safety and Health (NIOSH), Occupational Safety and Health Administration (OSHA), US Coast Guard (USCG), and US Environmental Protection Agency (USEPA). The Contractor CHASP will also adhere to Michigan Occupational Safety and Health Act and its Rules. Trained staff will supervise the work in accordance with the health and safety requirements described herein, the current edition of the Michigan regulations for hazardous waste operations, and all applicable federal, state, and local health and safety regulations.

2.1 Organizational Structure

Proper planning and careful Contractor CHASP implementation is essential to carrying out future construction activities at the Property. An organizational structure detailing personnel requirements and responsibilities is presented in this section. The organizational structure defines the chain of command and identifies the person responsible for directing activities related to the project. Necessary personnel for project implementation will be identified as well as their general functions and responsibilities. This structure also identifies lines of authority, responsibility, and communication among the project team and indicates the person(s) responsible for communicating with the emergency response community. A typical organization chart is shown on Figure 2-1.

An overall project manager (PM) and a project superintendent (PS) and Site Safety Officer (SSO) will be called out by the Contractor in the plan, and an alternate project manager and project superintendent will be identified. Their responsibilities include:

- Having the authority to direct all activities.
- Ensuring the implementation of the Contractor CHASP and effective loss control principles.
- Ensuring that safe work rules and practices are enforced.

- Performing on-site inspections to make certain the Contractor CHASP is being followed.
- Implementing corrective actions following audits, inspections, incident investigations, etc.
- Ensuring that resources are available for all health and safety requirements.
- Assigning trained and qualified personnel to project tasks.
- Providing the appropriate monitoring and safety equipment necessary for implementing the Contractor CHASP.

The PM and PS have the ability to authorize the following safety-related suspensions:

- Temporary suspension of field activities if the health and safety of personnel are endangered.
- Temporary suspension of an individual from field activities for infraction of the Contractor CHASP.

2.2 Record Keeping Requirements

The PS will ensure that all health and safety record keeping requirements mandated by Rule 408.22101 et seq., Rule 324.52101 et seq. under the Michigan Occupational Safety and Health Act, and any other applicable standards are met. An administrative area will be designated for maintenance of such records including Michigan Occupational Safety and Health Act (MIOSHA) certifications, exposure monitoring records, training certificates, and health and safety field logbooks. Additional records to be kept, when applicable, may include the following:

- Daily Health and Safety Meeting Form (Figure 2-2).
- Field Team Review Sheet (Figure 2-3).
- Visitor's log and Contractor CHASP sign-off (Figure 2-4).
- Qualification and testing for respirator use and fit test.

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Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- Emergency Medical Data Sheets (Figure 2-5).
- Calibration logs as described in Section 7.3.
- Monitoring logs for volatile organic compounds (VOCs), oxygen levels, particulates, and any other monitored parameter.
- Perimeter monitoring charts, data, and calculation sheets.
- Personal Protective Equipment (PPE) log for levels of protection greater than Level D with date, type of PPE, time and duration of PPE use.
- Exposure and incident reports.
- Emergency Report Form (Figure 2-6).
- Work stoppage and work re-start reports.
- Copies of the Contractor CHASP with appropriate signatures, CHASP Approvals (Figure 2-7).

2.3 Training

It will be the responsibility of the PM, PS and SSO to ensure that properly trained personnel are assigned to each work task. Members of the project team performing tasks that could potentially result in exposure to waste materials will have satisfied the training requirements of Rule 325.52101 et seq. (MIOSHA regulation of hazardous waste site activities). MIOSHA certificates for these members will be current and available. These employees will also be subject to appropriate medical surveillance in accordance with Rule 325.52101 et seq. Site-specific training will be provided as necessary for those workers, including subcontractors, and will include a discussion of the following topics:

- Names of all health and safety related personnel and alternates
- Health and safety organization
- Locations where Contractor CHASP will be stored

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Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- Nature of anticipated hazards
- Recognition and avoidance of hazards at the site
- Safe use of engineering controls and equipment on the site
- Hazard communication
- Exposure risk
- Safe work practices
- PPE to be used
- Personnel and equipment decontamination procedure
- Air monitoring
- Emergency procedures and on-site First Aid Station and Procedures
- Rules and regulations for vehicle use
- Safe use of field equipment
- Handling, storage, and transportation of hazardous materials
- Employee rights and responsibilities

Additionally, field personnel will be responsible for knowing and understanding the information contained in the Contractor CHASP. Attendees will also sign a Field Team Review Sheet stating that they have been trained in, understand, and agree to comply with the provisions of the Contractor CHASP. Anyone refusing to sign the form will be prohibited from working at the site.

When a new employee has been assigned to the site, the PS and SSO must present a similar briefing before the new employee participates in any field activities. All new employees must sign the Field Team Review Sheet after receiving training and before beginning fieldwork.

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Exhibit E Construction Health And Safety Plan Guideline

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Carter Drive Right-of-Way
Kingsford, Michigan

2.4 Health and Safety Meeting

Prior to initiating site work, site personnel will be required to attend an orientation session given by the PS and SSO as outlined on Figure 2-2. This session will take place at the site prior to the start of work and may include, but is not limited to, the following topics:

- Site history.
- Scope of fieldwork.
- Specific hazards (toxicological data, heat stress/exposure, other physical hazards).
- Hazard recognition.
- Standard operation procedures and injury prevention, including no smoking and no hand-to-mouth contact within the exclusion zones or prior to completing decontamination.
- Decontamination (personnel and equipment).
- Emergency procedures.
- Potential respirator use.

Field personnel must attend this meeting, the minutes of which will be documented in the site logbook and maintained as indicated in Section 2. In addition, a safety meeting will be conducted before each work day.

2.5 Health Monitoring and Surveillance

A health monitoring and surveillance program will be established to verify that the worker is physically fit to perform the necessary tasks. The monitoring program will be performed in accordance with MIOSHA requirements. An initial screening of the worker will be performed in accordance with OSHA 29 CFR 1910 guidelines prior to site placement to document current level of health and ability to wear protective gear. The initial health screening should focus on examination of the kidneys, heart, and lungs, and should include the following physical examinations:

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**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

In addition, testing is necessary to confirm that the worker is capable of completing the work tasks while wearing protective equipment. Medical records for each team must be maintained on-site as stated in Section 2.2 to include the following information:

- Qualification statement for hazardous waste work.
- Qualification for respirator use.
- Respirator fit test results.
- Emergency Medical Data Sheet (Figure 2-5).

The Contractor will provide in the Contractor CHASP the components of their active medical monitoring program, including a detailed plan of health signs and symptoms to be monitored throughout the workday. A record of these monitoring reports will be maintained on site along with each worker's health history record.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

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3. Background

3.1 Site Description

The city of Kingsford is located in southwestern Dickinson County, in the western part of Michigan's Upper Peninsula. The City is bounded by the Menominee River on the west and south, by the City of Iron Mountain on the north, and by Breitung Township on the east. The Carter Drive Right-of-Way Property is an approximate 500 foot stretch of roadway owned by the City of Kingsford, and is associated with the former Northeast Pit Area. The location of the Carter Drive Right-of-Way Property is shown in Figure 3-1.

Land use near the Property is primarily industrial/commercial. The Kingsford Municipal Garage is located west of the Property at the end of Carter Drive. The former Northeast Pit is located to the south and the commercial businesses Van Ert Electric, Walco and the former Superior Contracting are located to the north. Balsam Street and the Former Plant Site are located on the east side.

3.2 Interim Response Summary

The response activities that have been implemented to address environmental contamination are fully described in the Northeast Pit IRAP dated January 8, 2003, and Addendum, and submitted by ARCADIS G&M, Inc. on behalf of Ford Motor Company ("Ford") and The Kingsford Products Company LLC ("KPC"). The Michigan Department of Environmental Quality ("MDEQ") approved the IRAP in a letter dated August 25, 2003, pursuant to Part 201 of the Natural Resources and Environmental Protection Act ("NREPA"), 1994 PA 451, as amended, MCL 324.20101 *et seq.* Ford and KPC intend to incorporate the IRAP into a Remedial Action Plan (RAP).

The waste material removed from the Carter Drive Right-of-Way Property is a combination of various types of material. The waste materials encountered were made up of the following materials:

- Wood tar.
- Solely wood products (wood pieces, wood chips, bark, sawdust, and construction debris).

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Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- Combination of wood sludge, wood products, charcoal fragments, and carbon fragments.
- Soil laden with tar.

3.2.1 Waste Material Left In Place

The waste material remaining beneath the Carter Drive Right-of-Way Property is a combination of various types of material. The waste materials encountered were made up of the following materials:

- Wood tar.
- Solely wood products (wood pieces, wood chips, bark, sawdust, and construction debris).
- Combination of wood sludge, wood products, charcoal fragments, and carbon fragments.

The estimated volume of waste that was left in place below the Carter Drive Right-of-Way is approximately 100 to 600 cubic yards. This estimation was derived by determining the approximate length of the waste material found along Carter Drive while excavating at the former NE Pit (300 feet), by determining the approximate thickness of the waste material found that appears to go beneath Carter Drive during the former Northeast Pit excavation (6 inches to 3 feet) and approximating that the waste material does not extend past Carter Drive in width (20 feet).

ARCADIS

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

4. Chemical Constituent Descriptions

Laboratory analytical data compiled for soil and waste samples within the former NE Pit which is adjacent to the Property indicate that VOCs, SVOCs, alcohols, aldehydes, pesticides, and metals have been detected in samples at concentrations above background levels. Any chemical constituent detected in the soil or waste material at the Carter Drive Right-of-Way property is listed below. Exposure limits, explosive limits (if applicable), and potential exposure routes for these chemical constituents of potential concern are listed in Table 4-1. Monitoring and Contractor designation of action levels will be discussed in Section 7.

VOCs:

- 1,1,2,2-Tetrachloroethane
- 1,2-Dichloroethane
- 1,2-Dichloroethene
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- 1,4-Dichlorobenzene
- 2-Butanone (MEK)
- 2-Hexanone
- Acetone
- Benzene
- n-Butylbenzene
- sec-Butylbenzene
- Carbon Dioxide

ARCADIS

Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- Carbon disulfide
- Chlorobenzene
- Chloroform
- Ethylbenzene
- Isopropylbenzene
- Methyl chloride
- n-Propylbenzene
- Styrene
- Tetrachloroethene
- Trichloroethene
- Toluene
- Xylenes

SVOCs:

- 1-Methylnaphthalene
- 2-Methylnaphthalene
- 2-Methylphenol
- 2-Nitroaniline
- 2-Nitrophenol
- 2,4-Dimethylphenol
- 3-Methylphenol

Page 60 of 137
NMJ Date 08/03/2011 GL 733/117
Time 08:44:23

ARCADIS

Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- 4-Methylphenol
- 4-Nitrophenol
- Acenaphthene
- Anthracene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(k)fluoranthene
- Benzoic acid
- Bis(2-ethylhexyl)phthalate
- Butylbenzene phthalate
- Chrysene
- Dibenzofuran
- Di-n-butyl phthalate
- Di-n-octylphthalate
- Fluoranthene
- Fluorene
- Isopropyltoluene
- Naphthalene

ARCADIS

Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- Pentachlorophenol
- Phenanthrene
- Phenol
- Pyrene

Alcohols:

- 1-Propanol
- Ethanol
- Ethylacetate
- Isobutanol
- Isopropanol
- Methanol
- n-Butanol

Aldehydes:

- Acetaldehyde
- Formaldehyde
- Hexanal
- m-Tolualdehyde
- Paraldehyde
- Pentanal
- Propanal

Page 62 of 137
NMJ Date 08/03/2011

GL 733/119
Time 08:44:23

ARCADIS

Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

1. Height, weight, temperature, pulse respiration, and blood pressure.
2. Head, nose, and throat.
3. Eyes, including vision tests that measure refraction, depth perception, and color vision.
4. Ears. Requirements for this test are listed in 29 CFR 1910.95.
5. Chest (heart and lungs), including pulmonary function and electrocardiogram (EKG) testing.
6. Peripheral vascular system.
7. Abdomen and rectum (including hernia exam).
8. Spine and other components of the musculoskeletal system.
9. Genitourinary system.
10. Skin.
11. Nervous system.

The following tests should also be performed during the pre-employment examination:

- Blood (including complete blood count with differential, comprehensive metabolic panel, cadmium, mercury, and serum PCBs).
- Urine.
- Chest X-rays.

Periodic medical exams should also be part of the Contractor's Corporate Medical Monitoring Program in accordance with 29 CFR 1910. Annual exams are acceptable; however, more frequent examinations may be necessary depending on the types of chemicals the worker has been exposed to, the duration of the assignment, and the potential or actual exposure levels.

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Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

Pesticides:

- Aldrin
- Aroclor 1242
- Lindane (BHC gamma)
- Chlordane (alpha)
- Chlordane (gamma)
- Endosulfan I
- Endosulfan II
- Endrin
- Heptachlor epoxide
- Methoxychlor

Metals:

- Aluminum
- Antimony
- Arsenic
- Barium
- Beryllium
- Cadmium
- Calcium
- Chromium

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

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- Cobalt
- Copper
- Cyanide
- Iron
- Lead
- Magnesium
- Manganese
- Mercury
- Molybdenum
- Nickel
- Potassium
- Selenium
- Silver
- Sodium
- Thallium
- Titanium
- Vanadium
- Zinc

In addition, the presence of potentially explosive concentrations of methane gas exists throughout the site. Since methane gas is lighter than air, it will rise into the vadose zone in the absence of silt or clay layers, or become trapped below these layers.

ARCADIS

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

Historical investigations have shown the prevalence of methane gas within the waste material. Provisions must be included in the Contractor CHASP for occurrence of methane gas in the vadose zone.

5. Potential Exposure Pathways and Hazard Evaluation

Attention will be given to protecting on-site personnel from the physical and chemical hazards that may be encountered during construction activities that have the potential to disturb the cover system and expose personnel to the waste material below the cover. Potential exposure pathways, physical hazards, and hazards due to typical construction activities that may be necessary in the area and have the potential to disturb the cover will be discussed in this section. An evaluation of identified potential hazards is based on site history, previously completed field activities, and the typical construction activities that may be required.

5.1 Chemical Hazards

Exposure pathways have been identified according to the NIOSH Pocket Guide to Hazardous Chemicals (1997). These exposure pathways and other chemical hazards that may affect the health and safety of the on-site personnel are listed below.

The following potential exposure and chemical hazard pathways may be encountered during fieldwork at the site:

- Ingestion of affected surface soils or material.
- Dermal contact with affected particles, vapors, or gases.
- Inhalation of particles, vapors or gases.
- Dispersal of dust/particulates.
- Contact with contaminated storm water during construction.

These exposure pathways will be minimized by following the protocol for the designated working level of protection as described in Section 6.0 (Personnel Protection Program). Toxicological data for the major constituents detected at the site are listed in Table 4-1.

5.2 Physical Hazards

Field personnel may be exposed to physical hazards during this project. Physical hazards that may be encountered are:

ARCADIS

Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- Explosive Hazards
- Noise
- Heat/cold stress
- Lacerations and contusions
- Lifting hazards

General considerations are discussed below; specific comments are presented in Section 5.3.

5.2.1 Flammability and Explosivity of Vapors

Flammable and explosive methane vapors are known to be present, at depth, adjacent to the site. Frequent air monitoring for methane gas will be conducted during the field activities at the site, as well as measuring the lower explosive limit and oxygen concentrations within the breathing zone.

5.2.2 Construction Explosive Hazards

Other explosive hazards associated with construction activities include storage of vehicle fuel and calibration gases for measuring devices.

5.2.3 Noise Exposure

Construction crews may be exposed to loud noise levels from construction equipment. Hearing protection may be necessary.

5.2.4 Heat/Cold Stress

Workers may be required to wear protective clothing, which insulates the body. A hazard may exist if workers wear protective clothing in temperatures exceeding 90°F. In addition to heat stress, exposure to temperatures at or below freezing may result in frostbite and/or hypothermia. A monitoring program will be in place during use of protective gear.

5.2.5 Lacerations and Contusions (Cuts and Bruises)

Earthwork and excavation activities usually involve contact with moving machinery and physical objects. If the field team is cut or bruised during this project, the PS will be prepared to deal with cuts and bruises, and a first aid kit will be present during all site operations.

5.2.6 Insect and Wildlife Hazards

If construction activities require workers to enter areas of overgrown vegetation, potential exposure to insect bites and ticks exist. Workers will pay special attention to the presence of wildlife and inspect themselves at the end of each field day. The first aid kit will contain medications for insect bites.

5.2.7 Lifting Hazards

Construction activities may involve heavy lifting. Field team members will be trained in the proper methods to lift heavy objects and cautioned against lifting objects that are too heavy for one person to handle safely.

5.2.8 Packaging and Shipping Hazards

Any samples collected from the site will be transported to subcontracted laboratories in compliance with Department of Transportation (DOT) regulations. The instructions given below will be followed to comply with DOT regulations and reduce the potential for sample breakage during transport.

- Appropriate packaging materials will be placed into shipping containers.
- The shipping containers will be classified and secured according to appropriate DOT regulations, and other relevant regulations.

5.3 Field Activities/Physical Hazards

Listed below are potential construction activities that may be performed at the Site:

5.3.1 Hazard Analysis: Excavation

Should excavation to be necessary beneath the asphalt pavement and landscaping

cover, these construction activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Exposure to explosive vapors
- Inhalation of vapors
- Inhalation of dust particles
- Dermal contact with chemical constituents in the affected soil or waste material present with the concrete conveyance structure.

Physical Hazards:

- Being hit by equipment
- Being struck by falling objects
- Exposure to loud noise
- Exposure to extreme outside temperatures

In addition, should excavations greater than 4 ft be required, field personnel could be exposed to confined space conditions. Any excavation greater than 4 ft will follow the procedures identified by the OSHA Construction Code 29CFR1926 for excavation sloping/shoring/benching.

5.3.2 Hazard Analysis: Asphalt Protective Cover

If the asphalt roadway and/or clean landscaped cover is disturbed, construction activities will need to be conducted to repair/restore the protective cover. These activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Exposure to explosive vapors

- Inhalation of vapors
- Inhalation of dust particles
- Dermal contact with chemical constituents in the affected soil or waste material.

Physical Hazards:

- Being hit by equipment
- Being struck by falling objects
- Exposure to loud noise
- Exposure to extreme outside temperatures

5.3.3 Hazard Analysis: Collecting Soil Samples for Laboratory Analysis

Should it be necessary to collect soil samples beneath the concrete slab in the concrete conveyance structure area, these activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Inhalation of particulates
- Dermal contact with chemical constituents in the affected soil or waste material.

After the samples have been collected in sampling jars, the samples will be properly packaged to protect shipping personnel from potential exposure to constituents. There is no particular hazard in performing the packaging operation, yet if this operation is not done properly, unsuspecting individuals may be exposed if the containers leak or break. Preservation of water samples may involve the use of acids or bases to adjust sample pH. Precautions will be taken to avoid contact with these reagents.

6. Personnel Protection Program

A Personnel Protection Program will be established in the Contractor CHASP to be maintained for personnel working at the site and conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. The Personnel Protection Program will provide necessary health and safety training to the contractor personnel assigned to perform or oversee work, health and safety, security, administrative duties, or any other related functions at the site. Site safety meetings will be held before work begins each day or as specified by the PS. Separate protocol will be followed for site visitors as described in a later section.

Personnel will wear PPE during any of the following conditions: (1) field activities involving the potential for exposure to contaminants, (2) site activities that may generate vapors, gases, particulates, mists, or aerosols, or (3) direct contaminant contact with skin. The type of required PPE is categorized by a level of protection as described below. Any respiratory protection plan implemented during on-site activities will be done in accordance with 29 CFR Part 1910.134.

The levels of protection and the equipment utilized are defined as follows:

6.1 Level D Protection

The following PPE will be considered typical Level D protection:

- Coveralls
- Leather or chemical-resistant boots with a steel toe and shank
- Work gloves
- Safety glasses, chemical splash goggles, or face shield (as determined by the PS)
- Hard hat
- Hearing protection (as determined by the PS)
- Outer latex disposable boots (optional)

6.2 Level D Modified Protection

Level D Modified protection will be used when an increased need for dermal protection is recognized but respiratory protection is not indicated. The following equipment will be used for Level D Modified protection:

- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard)
- Disposable nitrile or butyl outer gloves (glove selection will be based on the site-specific contaminant hazard)
- Nitrile or latex inner gloves (glove selection will be based on the site-specific contaminant hazard)
- Polyvinyl chloride (PVC) boots (chemical-resistant) with a steel toe and shank
- Hard hat
- Hearing protection (as determined by the PS)
- Latex outer booties (optional)
- Safety glasses, chemical splash goggles or face shield (as determined by the PS)

6.3 Level C Protection

The following PPE will be considered Level C protection:

- Full-face piece air-purifying cartridge respirator with organic vapor/high-efficiency particulate filter cartridges (as site conditions warrant, a different APR cartridge may be specified in site-specific addenda).
- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard).

ARCADIS

Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- Disposable nitrile or butyl outer gloves.
- Nitrile or latex inner gloves
- Polyvinyl chloride (PVC) boots (chemical-resistant) with a steel toe and shank
- Hard hat
- Hearing protection (as required)
- Latex outer booties (optional)
- Two-way radio communications

The use of a full-face piece air-purifying respirator is approved only if the following applies:

- Substances are identified and their concentrations measured
- Substances have adequate warning properties
- Individual passes a qualitative fit test for the assigned respirator
- An appropriate cartridge is selected based on the hazard

It is particularly important that the air monitoring is effectively implemented when personnel are wearing Level C protection. No changes to the specified level of protection will be made without the approval of the PS.

Verbal communication on site may be impeded by background noise caused by heavy equipment or the use of PPE. Accordingly, hand held radios will be made available. If radios are not available, all individuals will remain within sight of the project leader and hand signals will be used between personnel within the work zone. Communications requirements will be reviewed during the site safety meetings.

The following hand signals will be used in the event of an emergency where audible communication is not possible:

Page 74 of 137 GL 733/131
NMJ Date 08/03/2011 Time 08:44:23

ARCADIS

Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

<u>Hand Signal</u>	<u>Meaning</u>
Hand gripping throat	Out of air, cannot breath
Gripping partner's wrist or both hands on waist	Leave area now, no debate
Hands on top of head	Need assistance
Thumbs Up	OK, I'm all right, I understand
Thumbs Down	No, Negative

6.4 Level B Protection

The following PPE will be considered Level B protection:

- Pressure demand supplied air respirator or self-contained breathing apparatus.
- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard).
- Disposable nitrile or butyl outer gloves.
- Nitrile or latex inner gloves.
- Polyvinyl chloride (PVC) boots (chemical-resistant) with a steel toe and shank.
- Hard hat.
- Hearing protection (as required).
- Latex outer booties (optional).
- Two-way radio communications.

The use of a full-face piece air-purifying supplied air respirator is approved only if the following applies:

- Substances are identified and their concentrations measured.
- Individual passes a qualitative fit test for the assigned respirator.

6.5 Decontamination Procedures

It is the responsibility of the PS to make certain that all personnel and pieces of equipment leaving the site are properly decontaminated according to the procedures outlined in this section. All personnel exiting controlled work zones must follow decontamination procedures. Only during an emergency evacuation will personnel be allowed to leave the site before decontamination.

6.5.1 Level D Decontamination Procedures

The general decontamination procedures for workers in Level D conditions are illustrated on Figure 6-1. Gloves and outer boot covers will be washed and rinsed, if required. Steel-toed boots will also be scrubbed with decontamination solution, if required. Outer garments and Tyvek will be removed and deposited in plastic bags once they exit the hotline and prior to exiting the contamination control line. Hands and face will be washed as soon as possible.

6.5.2 Level C Decontamination Procedures

A sample decontamination procedure for workers wearing Level C Protection is illustrated on Figure 6-2. Equipment used in the exclusion zone (tools, sampling devices and containers, monitoring instruments, radios, clip boards, etc.) will be deposited on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross-contamination. Various size containers, plastic liners, and plastic drop cloths will be required for this task. Outer boots and gloves will be cleaned with the proper decontamination solution (hexane or methanol) and detergent/water. The outer gloves and boots will be rinsed and the rinse water will be contained in plastic bucket. Boots, gloves, and outer garments will be removed first, followed by removal of the respirator. Once the respirator is cleaned for storage or placed in an appropriate container, inner gloves may be removed. Workers will wash hands and face as soon as possible.

**Exhibit E
Construction Health
And Safety Plan
Guideline**Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

If a worker leaves the exclusion zone to change a respirator cartridge, it is not necessary to proceed through the entire contamination reduction zone. Once the worker's cartridge is exchanged, the outer glove and boot covers will be donned with joints taped and the worker may return to the exclusion zone.

At a minimum, disposable items (e.g., Tyvek coveralls, inner gloves, and latex overboots) will be changed on a daily basis. Decontamination solutions will be changed daily or as conditions require.

Small equipment will be protected from contamination by draping, masking, or otherwise covering as much of the instrument as possible with plastic, without hindering the operation of the unit. Contaminated equipment will be taken from the drop area and the protective coverings removed and disposed in the appropriate containers. Any dirt or obvious contamination will be brushed or wiped with a disposable paper wipe. As necessary, air monitoring equipment will be placed in clear plastic bags that allow reading of the scale and operation of the knobs. The sensors or probes can be partially wrapped, keeping the sensor tip and discharge port clear.

To prevent trans-location of contaminants and inadvertent exposures to personnel, heavy equipment used in contaminated areas will be decontaminated prior to moving to a new location and before leaving the facility. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris. Where possible, contaminated soil deposits will be removed and containerized.
- After removal of gross debris, the equipment will be steam cleaned using a high-pressure washer (i.e., Hotsy).
- After steam cleaning, the equipment will be allowed to dry and will be reinspected. Any remaining visible debris will be re-cleaned through additional pressure washing.

After all debris is removed according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the close-out of the exclusion zone activities or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment wash rinsate will be containerized for proper disposal. Decontamination

wash water will be collected and sent to either the on-site water treatment system or an off-site permitted treatment / disposal system.

Inspections of equipment for release from the facility will be completed by the PM or PS. Inspections will consist of visual observations, wipe sampling and cleaning solution analysis. Inspection results will be documented in field logbooks.

6.6 Heat Stress Control and Monitoring

The PS will set work and break schedules depending on how heavy the workload is and the outside temperature. Generally, workers conducting activities in protective clothing need to break in the shade at least 10 minutes out of every hour during temperatures elevated above 90 degrees Fahrenheit (°F). Rest time will also include fluid replacement with electrolytes.

During conditions where the temperature, humidity, and solar radiation are high and the air movement is low, the following procedures will be implemented to prevent heat stress injury:

- Provide disposable cups and water. Urge workers to drink water regularly. Monitor for signs of heat stress.
- Make certain that adequate shelter is available to protect personnel against heat. If possible, set up a rest area in the shade.
- Workloads and/or duration of physical exertion will be less during the first days of exposure to heat and will be gradually increased to allow acclimatization.
- Heavy work will be scheduled during the cooler periods of the day (e.g., early morning), as possible.
- Alternate work and rest periods will be scheduled in heat stress conditions; in moderately hot conditions.

At the PS's discretion, monitoring activities for heat stress will be performed when workers are using protective clothing in elevated temperatures. Observation of the field team for signs and symptoms of heat stress which include:

1. pale, clammy skin progressing to hot, dry and red skin,

ARCADIS

Exhibit E
Construction Health
And Safety Plan
Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

2. profuse perspiration,
3. cramps,
4. dizziness,
5. headaches,
6. nausea, and
7. fainting.

Heat stress monitoring will be done at the discretion of the PS, when temperatures are greater than 90 °F or workers exhibit any indication of heat stress. Signs and symptoms of heat stress are summarized in Table 6-1.

6.7 Cold Stress Control and Monitoring

Persons working outdoors in temperatures at or below freezing or with increased wind chill may experience two types of cold weather-related injuries: frostbite and hypothermia. Ambient air temperature and the velocity of the wind are the two factors that influence the development of a cold weather-related injury.

Frostbite is a cold weather-related injury. Areas of the body, which have high surface-area-to-volume ratios such as fingers, toes and ears, are most susceptible to frostbite. Frostbite of the extremities can be categorized into three types:

- **Frost nip or incipient frostbite:** This is characterized by skin blanching or whitening.
- **Superficial frostbite:** In this case, the skin has a waxy or white appearance and is firm to the touch, but the tissue beneath is resilient.
- **Deep frostbite:** When this occurs, the tissues are cold, pale and solid. Deep frostbite is an extremely serious injury.

Hypothermia is the second type of cold weather-related injury. Systemic hypothermia is caused by exposure to freezing or rapidly dropping temperatures. Its symptoms are usually exhibited in five stages: 1) shivering; 2) apathy, listlessness, sleepiness, and

sometimes rapid cooling of the body to less than 95°F; 3) unconsciousness, glassy stare, slow pulse, and slow respiratory rate; 4) freezing of the extremities; and 5) death.

The term "wind chill" is used to describe the chilling effect of moving air in combination with low temperature. For instance, an air temperature of 10°F with a wind of 15 miles per hour (mph) is the equivalent in chilling effect of air at -18°F. As a general rule, the greatest incremental increase in wind chill occurs when a wind of 5 mph increases to 10 mph. Because of the effects of wind chill, there is a greater danger from cold-related injuries on cold, windy days, than on cold days where there is little or no wind.

Water conducts heat 240 times faster than air. Therefore, the body cools more quickly when damp or wet. Site personnel may become wet from: decontamination water, contact with on-site water (e.g., surface ponding, perched water in the excavation, etc.), precipitation or perspiration. Care will be taken to minimize the possibility of workers becoming damp or wet. If workers do become damp or wet, efforts will be made to minimize the time that the worker is exposed to the cold. If clothing beneath the personal protective clothing becomes damp, the PS will assess site specific weather conditions to determine if it is appropriate for site workers to remove protective clothing outdoors.

In general, the PS will follow these procedures to reduce cold stress:

- Install heaters in the support zone and/or trailers to provide a warming area for site personnel if necessary.
- Rotate shifts of workers.
- Schedule work and rest periods.
- Monitor workers' physical conditions.

7. Air Monitoring

Air quality monitoring will be conducted for the identification and quantification of potential airborne contaminants when construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover are performed. Both direct-reading instruments and laboratory analysis of air samples may be used for air monitoring activities. Monitoring of methane gas, oxygen, and explosive levels in the breathing zone will be emphasized. General on-site monitoring will include visual inspection of the site to look for places where vapors may gather such as confined spaces, low-lying areas, and wind barriers.

7.1 Air Monitoring

Standard monitoring instruments that may be used for monitoring site conditions include combustible gas indicators (CGI), photo-ionization detectors (PID), flame ionization detectors (FID), oxygen meters, colorimetric indicator tubes, and organic vapor monitors (OVA). A MIE Data-RAM, or equivalent unit, can be used to monitor total suspended particulates. The contractor will identify specific monitoring instruments in their CHASP.

Upwind vapor levels and work zone levels will be obtained prior to initiation of activities, and will be repeated at pre-specified time intervals. An initial monitoring frequency of once per hour can be used. Once site conditions are characterized, monitoring frequency may be decreased to a frequency specified in the Contractor CHASP Monitoring Plan. Site monitoring will also be completed when site conditions change, for instance, when work begins on a different portion of the site, a different contaminant is being handled, or a different type of operation is begun.

7.2 Perimeter Monitoring

A plan for perimeter monitoring will be incorporated into the Contractor CHASP to be implemented only if on-site monitoring of activities indicates the presence of hazardous vapors. This will be used to ensure that airborne contaminants are not migrating beyond the site boundaries at concentrations harmful to human health. Initially, perimeter monitoring may be limited to particulates. If action levels for onsite monitoring with regard to particulates, VOCs, or SVOCs are exceeded, an evaluation will be made as to the extent of these impacts. If such impacts are determined to extend to the perimeter of the exclusion zone, perimeter monitoring will be expanded to analysis of VOCs and SVOCs, and engineering controls will be implemented.

7.3 Organic Vapor Monitoring

Air quality in the breathing zone will be evaluated by collecting readings of organic vapor levels. Air monitoring readings will be collected periodically as specified in the Contractor CHASP, and at the discretion of the PS. Observation of wind direction during investigation activities will be emphasized. The contractor will select the most suitable instrument for air monitoring purpose, considering the presence of methane in the atmosphere. A flame-ionized vapor analyzer requires methane filtration for an actual organic vapor reading, while a photo-ionization detector does not detect methane. To prevent confusion among work groups working at multiple locations, a single set of action levels for organic vapors will be used.

Based on the list of chemicals of concern provided in Table 4-1, the Contractor will select hazardous chemicals that require monitoring. A plan will be presented that will include the identification and quantification of the selected constituents prior to the beginning of construction activities. Draeger gas detectors can be used for gas identification and quantification. Following initial detection of gases, the Contractor CHASP will provide levels of organic vapors at which specified actions will be required. The plan will call out specific concentrations at which field personnel will change to a higher level of PPE, or at which engineering controls will be implemented. Typical action levels are provided in Table 7-1.

The PS must be responsible for monitoring, calibrating, and maintaining the instruments. Calibrations and maintenance for all instruments will be completed in accordance to the manufacturer's recommendations. Calibrations will be recorded and the following information will be recorded in the calibration logbook to be maintained according to Section 2:

- Instrument and instrument serial number
- Calibration gas and lot number
- Initial reading
- Final Reading
- Any adjustments or maintenance
- Name of the person performing the adjustments or maintenance

ARCADIS

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- Date and time

7.4 Combustible Gas/Oxygen Monitoring

The PS will ensure that combustible gas indicator/oxygen levels (CGI/O₂) are measured prior to entry into open excavations, sumps, confined spaces, or other sites/conditions where a flammable, combustible, or oxygen-deficient atmosphere may be present. To ensure accurate measurements, the O₂ concentration will be measured before the lower explosive limit (LEL) concentration. The Contractor will present a schedule for CGI/O₂ monitoring based on known methane issues and the constituent of concern list in Table 4-1.

Action levels for LEL and O₂ will be identified in the Contractor CHASP. When used, CGI/O₂ meters must be maintained and calibrated before use in accordance with manufacturers' instructions.

7.5 Noise Level Monitoring

Noise level monitoring will be performed for operations having the potential for generating noise levels that could result in overexposures. Monitoring will be accomplished in accordance with the following:

- Monitoring will be performed using a sound level meter or noise dosimeter as appropriate.
- Sound level meters will be calibrated and operated in accordance with manufacturers' instructions.
- Noise level readings will be documented in health and safety logbooks.
- Calibration check results will be documented in the site calibration logbook.
- Employees will be notified in writing of all noise monitoring results pertinent to their work activities.
- The Contractor will identify the action level for hearing protection as well as the monitoring frequency.

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**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- Results will be forwarded to Corporate Health and Safety for inclusion in employee medical records.

**Exhibit E
Construction Health
And Safety Plan
Guideline**

ARCADIS

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

8. Site Control

The purpose of site control is to minimize potential contamination of workers, protect the public from the site's hazards, and prevent vandalism when performing construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. Site control is essential in emergency situations. The plan for site control includes established work zones, site preparation, use of the buddy system, established and enforced decontamination procedures for personnel and equipment, site security measures, communication networks, and safe work practices.

8.1 Site Preparation

Prior to commencement of construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover, the site will be prepared for cleanup activities. Site preparation can also be hazardous, and the following steps will be taken, where necessary:

- Construct roadways to provide ease of access and a sound roadbed for heavy equipment and vehicles.
- Arrange traffic flow patterns to ensure safe and efficient operations.
- Eliminate physical hazards from the work area as much as possible, including:
 - Ignition sources in flammable hazard area.
 - Exposed underground electrical wiring and low overhead wiring that may entangle equipment.
 - Sharp or protruding edges, such as glass, nails, and torn metal which can puncture protective clothing and equipment and inflict puncture wounds.
 - Debris, holes, loose steps or flooring, protruding objects, slippery surfaces, or unsecured railings, which can cause falls, slips, and trips.
 - Unsecured objects, such as bricks and gas cylinders, near the edges of elevated surfaces, which may dislodge and fall on workers.

- Construct operation pads for mobile facilities and temporary structures.
- Construct loading docks, processing and staging areas, and decontamination pads.
- Provide adequate illumination for work activities. Equip temporary lights with guards to prevent accidental contact.
- Install all wiring and electrical equipment in accordance with the applicable code.

8.2 Work Zones

Prevention of exposure to and spread of constituents by activities at the site will be achieved through the establishment of work zones. Three work zones will be used including: 1) Exclusion Zone; 2) Contaminant Reduction Zone; and 3) Support Zone. Flagging or barrier tape will be used to delineate each of these three zones.

8.2.1 Exclusion Zone

The Exclusion Zone is the area where all earthwork and clearing activities are conducted, and where chemical constituents and physical hazards are potentially present. Only properly trained individuals who are wearing appropriate PPE will be allowed to enter and work in this zone. Level D protection will be required for workers in this zone. The size of the Exclusion Zone incorporates the entire area where the cover system will potentially be disturbed and adequate space for movement of heavy equipment. Personnel in the Exclusion Zone will remain within sight of the PS or have radio communication with the PS.

8.2.2 Contaminant Reduction Zone

The Contaminant Reduction Zone CRZ is a transitional area between the Exclusion Zone and the clean area. The Contaminant Reduction Zone contains a corridor that leads from the Exclusion Zone to the Support Zone. This corridor may contain wash buckets, solid waste disposal containers, brushes, and equipment drop tarps. All decontamination activities will occur in the contaminant reduction corridor. The Contaminant Reduction Zone has a decreasing level of contamination, moving outward. The outer boundary of the Contaminant Reduction Zone is called the contamination control line, which separates the possibly low contamination area from the clean support zone. The Contaminant Reduction Zone is also the area where

ARCADIS

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

equipment resupply takes place, samples are prepared prior to transport to laboratory, where rest area(s) are designated for workers (including portable toilet facilities, bench/chair, liquids and shade), and storage of emergency response equipment.

8.2.3 Support Zone

The Support Zone is the area where the field team will be when not performing site work. This area is to be used for meal breaks, eating, clean equipment storage, and staging. This zone will be located in an unaffected area and as far upwind from the exclusion zone as practical. The Support Zone is also the location for administrative personnel and office equipment. A portable first aid and eye wash station and toilets will be located here.

8.3 General Work Rules

Fieldwork will be conducted only during daylight hours unless adequate artificial lighting is provided. The "buddy" system will be observed at all times when site personnel are required to wear respiratory protection.

Entry into and exit from the continuous work area, Exclusion Zones, and Contamination Reduction Zone will be permitted only through designated access points, except during an emergency or as authorized by the PS. Personnel entering the Exclusion Zone must be wearing the required minimum protective clothing as specified in Section 6.0 and they must exit these areas via the Decontamination Station.

Hands and face must be thoroughly washed as soon as possible after leaving the work area and before eating or drinking. No excessive facial hair, which interferes with a satisfactory fit of the respirator mask-to-face seal, is allowed on personnel required to wear respiratory protective equipment. The PS will determine if facial hair presents such interference.

Personnel assigned for on-site activities must be adequately trained and briefed on anticipated hazards, instruction on handling hazardous materials, if applicable, instruction on harmful plants, animals or insects, if applicable, equipment to be worn, safety practices to be followed, emergency procedures, and communications. Daily safety meetings will be held with field personnel prior to the start of work.

Field activities will comply with OSHA 28CFR1926/1910 Safety and Health Standards for the Constructive Industry. Regular inspections of the site, materials and equipment

will be made by the SHSO to certify compliance with Subpart C (29CFR1926.20) General Safety and Health Provisions. The Contractor CHASP will be available on the site for inspection.

8.3.1 Overhead Utilities

Any overhead wire will be considered an energized line unless the person owning that line or the electrical utility authorities verify and provide documentation that it is not an energized line and that it has been visibly grounded.

A person will be designated to observe excavation or other equipment and to give timely warning of all operations where it is difficult for the operator to maintain the desired clearance by visual means. Parameters for minimum clearance from energized overhead lines are presented in the following table. The only acceptable method of proving inactive or de-energized state is through an effectively implemented and documented control of a hazardous energy program. Electricity in all structures will be considered to be on until proven inactive.

Minimum Clearance From Energized Overhead Electric Lines	
Nominal System Voltage (Kilovolts)	Minimum Required Clearance (feet)
0 – 50	10
51 – 100	12
101 – 200	15
201 – 300	20
301 – 500	25
501 – 750	35
751 – 1000	45

8.3.2 Inclement Weather

Natural phenomena (e.g., heat or cold, rain, snow, ice, and lightning) can affect work activities and increase risk. Additionally, extremes in temperature and moisture could affect the function of monitoring instrumentation and PPE. It is the responsibility of the SHSO to recognize weather conditions and adjust site activities accordingly.

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Exhibit E Construction Health And Safety Plan Guideline

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

8.3.3 Manual Lifting

Personnel performing material handling will abide by the following guidelines:

- **DO** design manual lifting and lowering out of the task and workplace. If manual lifting must be accomplished, perform it between knuckle and shoulder height.
- **DO** be in good physical shape. If you are not used to lifting and vigorous exercise, do not attempt to do difficult lifting or lowering tasks.
- **DO** think before acting. Place material conveniently within reach. Have handling aids available. Make sure sufficient space is cleared.
- **DO** get the load close to your body. Test the weight before trying to move it. If it is too bulky or heavy, get a mechanical lifting aid or somebody else to help, or both. Place your feet close to the load. Stand in a stable position with the feet pointing in the direction of movement. Lift mostly by straightening the legs.
- **DO NOT** twist the back or bend sideways.
- **DO NOT** lift or lower awkwardly.
- **DO NOT** hesitate to get mechanical help or help from another person.
- **DO NOT** continue lifting when the load is not of a manageable weight.

8.3.4 Portable Ladders

All portable ladders will be used for their designated purposes only, and will be constructed, maintained, and used in accordance with American National Standards Institute standards A-14.1 and A-14.2, OSHA 29 CFR 1926 Subpart X, and manufacturers' instructions. Before use, each ladder will be inspected to verify that all parts are in good condition and all components function properly. Defective ladders will be tagged "do not use" by the SHSO.

In general, personnel will follow these guidelines when using portable ladders:

- Set ladders on flat, firm surfaces.
- Contact both handrails of a straight ladder with the upper support.
- To prevent slippage of a straight ladder, use another person to hold the ladder in place or tie the ladder securely to the upper support.
- Retain a ratio of 4 to 1 regarding the height of extension related to the distance of the bottom of the ladder to the well or vertical plane (1 foot out for every 4 feet up).
- Extend the handrails of a straight ladder at least 36 inches above the upper support.
- Do not use metal ladders around electrical conductors.
- Do not allow a second person to use the same ladder that you are using.
- Do not stand on the top two rungs of ladder or within 3 feet of the top of the ladder.
- Position the ladder so that no more than half of your body extends beyond either handrail during the work activity.

Review ladder raising and usage techniques as applicable under the guidance of the PS.

8.3.5 Heavy Equipment Safety

Heavy equipment can present a variety of hazards. In general, the SHSO will observe the following procedures:

- Require subcontractors to provide equipment that meets the requirements of all relevant OSHA standards.
- *Inspect equipment before use.* At a minimum, guarding, hydraulics, hoisting, rigging, and overall condition will be reviewed. Correct deficiencies before equipment is used.

ARCADIS

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- Verify operator qualifications before beginning work.
- Conduct noise monitoring to ensure that personnel are adequately protected.
- Equip all equipment with operational backup alarms and a fire extinguisher.
- Review copies of all pertinent inspections before the start of work.
- Investigate any safety and health concerns arising during the course of work.

8.3.6 Driver Safety

During the performance of this work, all personnel using project vehicles will possess a valid driver's license, passes any necessary permit, and obey all posted speed limits, traffic signs, and traffic signals.

8.3.7 Power and Hand Tools

Personnel will use power and hand tools in accordance with the following procedures:

- Use tools only after being trained.
- Maintain tools in good condition and inspect them prior to use.
- Use electrical tools that are double-insulated or have a ground plug.
- Use tools for their intended purpose only.
- Remove unsafe tools from service and tag with "Do not use".

8.3.8 Hand Protection

In addition to required PPE, field personnel will wear protective gloves as needed when handling materials or performing other work that could result in hand injury.

8.3.9 Lockout/Tagout

In accordance with 29 CFR 1910.147, the site personnel will use lockout/tagout procedures as necessary to control employee exposure to hazardous energy sources, particularly underground and aboveground utilities and services. Subcontractors will present their lockout/tagout procedures to the PHSM.

8.3.10 Traffic Control

The PS will coordinate all activities impacting base traffic. Unauthorized vehicles will be controlled through the use of barricades, cones, or other warning devices.

8.3.11 Material Storage

A strategy for storage of flammable and combustible liquids, compressed gasses, and corrosives will be presented in the Contractor CHASP.

8.3.12 Fire Prevention

To prevent the occurrence of fires on the project, the following will be completed in accordance with 29 CFR 1926.151:

- Electrical installations will meet the requirements of Rule 408.41701 et seq. of the Michigan Occupational Safety and Health Act 29 CFR 1926, Subpart K.
- Potential sources of fire ignition will be located away from fuel sources.
- Flammable and combustible liquids and compressed gasses will be stored in accordance with the Construction Waste Management Plan (CWMP).
- Fire extinguishers will be provided for the site in accordance with applicable portions of Rule 408.41851 and Rule 408.41852.

8.3.13 Inspections

Contractor will be prepared for health and safety inspections by Michigan Department of Consumer and Industry Services, Construction Safety Division or any other county or city official with authoritative power.

8.4 Site Security

The Contractor CHASP will also call out a plan to maintain site security. Site security measures are necessary during and after normal working hours to:

- Prevent exposure of unauthorized, unprotected people to the site hazards.
- Prevent vandalism and increased hazards of persons trying to dispose other waste on the site.
- Prevent theft.
- Avoid interference with safe working practices.

Security protocol provided in the Contractor CHASP will include the following provisions:

- Assign the responsibility of enforcing security measures to a person who acknowledges that responsibility.
- An identification system to identify authorized persons as well as the limitations to their approved activities.
- Post signs around the perimeter of the site.
- Secure equipment for overnight storage.
- All site visitors will be approved, signed in, and given the proper PPE.

8.5 Site Visitors

Visitors to the site will be instructed to stay outside of the barricaded or exclusion zone and remain within the support zone during the extent of their stay. Visitors will be cautioned to avoid skin contact with potentially contaminated surfaces. During visitation, hand-to-mouth transfers will be reduced with special warnings not to eat, drink, smoke, or chew gum or tobacco. The use of alcohol during site visitation is prohibited.

Authorized visitors requiring observation of the work in the exclusion zone must read the Contractor CHASP and sign a form stating that they have read and understand the

safety protocol and will abide by it (Figure 2-4). All visitors entering the exclusion zone must wear appropriate personal protective gear. The Contractor CHASP will specify how site visitors will be controlled and what protective gear will be provided. Access to the site by visitors will be restricted as follows:

- All site visitors must notify the PS or his/her designee before obtaining access to a support zone.
- Site visitors entering controlled work zones will be strictly limited. The PS must approve entry and the visitor must demonstrate medical and training clearance to enter a controlled work zone and must be given site-specific training.
- All site visitor access must be clearly documented, and visitors must comply with all provisions of the Contractor CHASP.

8.6 Disposal of Material

Disposal of materials generated on-site will be in accordance with the CWMP developed for the IRAP.

9. Engineering Controls

A variety of external measures can be used to influence site conditions to prevent them from becoming hazardous, or to reduce the risk of harm to human health when conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. At a minimum, the following measures, or engineering controls, will be included in the Contractor CHASP.

1. Water sprayers will be used to control excessive dust conditions. The CHASP will state at what levels dust suppression will be used.
2. An oxygen analyzer will be used to monitor oxygen content in the air within the exclusion zone. If levels reduce to 19.5% oxygen or less in the breathing zone, work will be temporarily halted and industrial fans will be used for forced ventilation of the work area. Work cannot commence until oxygen levels in the breathing zone have normalized. In the event that oxygen concentrations increase to 23% or greater, work will be halted, but no ventilation will be applied. The work area will be allowed to ventilate naturally.
3. Ventilation of methane from the subsurface will be performed as described in the Operation and Maintenance plan.

Additional engineering control measures may be added to the Contractor CHASP where appropriate.

10. Emergency Procedures

On-site personnel will use the following standard emergency procedures when conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. The PS will be notified of any on-site emergencies and be responsible for ensuring that the appropriate procedures are followed. An emergency report (Figure 2-6) will be completed and submitted to the site PS for each instance of employee injury or possible exposure.

10.1 Emergency Phone Numbers and Hospital Location

Emergency phone numbers (Table 10-1) will be posted at a conspicuous place in the Support Zone. Directions to Dickinson County Memorial Hospital are given in Table 10-1, and a map with the route to the hospital is presented as Figure 10-1. The PS will be responsible for making sure that all field personnel are familiar with the location of the hospital, and know where the emergency phone list and directions to the hospital are located.

10.2 Personnel Injury in the Exclusion Zone

In the event of an injury in the Exclusion Zone, all site personnel will assemble at the decontamination line. The PS will evaluate the nature of the injury and the affected person will be decontaminated to the extent possible prior to movement to the Support Zone. Appropriate first aid will be initiated, and contact will be made with the Dickinson County Memorial Hospital for an ambulance (if required) (Table 10-1). No person will re-enter the Exclusion Zone until the cause of injury or symptoms are determined. An injury report will be created and submitted to the established authority for action (Figure 2-6).

10.3 Personnel Injury in the Support Zone

Upon notification of an injury in the Support Zone, the PM and PS will assess the nature of the injury. If the cause of the injury or loss of the injured person does not affect the performance of site personnel, operations may continue, and the appropriate first aid and necessary follow-up, as stated above, will be initiated. An injury report will be created and submitted to the established authority for action (Figure 2-6). Approved first aid kits will be kept in appropriate places on the work site. The PS will be responsible for making sure personnel are familiar with the first aid kit locations. The PS will also be responsible for the maintenance of the first aid kits.

10.4 Fire/Explosion Emergency Procedures

The threat of fire/explosion on this work site is considered high because of potential concentrations of methane gas in the subsurface. In addition, fire hazards exist in the following activities:

- Equipment refueling.
- High pressure water cleaning, fuel storage, and refueling.
- Presence of solvent contamination.

The PS will check to see that each vehicle fire extinguisher is appropriate for the fire hazard present at this site. Generally, Type A, B, and C extinguishers are appropriate. The field team will be prepared to fight small fires with extinguishers. In the event of a large fire, the field team will contact the appropriate authorities and report the fire.

10.4.1 Emergency Procedures

In an emergency, the PS (or alternate PS) will assume total control and decision making on site. In the event of a chemical spill, the release reporting procedures as detailed in the Waste Management Plan will be followed and the PS will attempt to containerize the material. In the event of a fire or explosion, the PS will take the following actions:

- Notification of site personnel and appropriate authorities.
- Shutdown site activities.
- Account for site workers at decontamination corridor.
- Evacuate the site, if necessary.

Methane in the gas state is a dangerous fire and explosion hazard when exposed to heat or flame. Care will be taken to eliminate sources of potential ignition, such as smoking, and non-explosion-proof electrical and internal combustion equipment. The use of flame devices such as cutting torches or welding equipment will only be done with approval of the PS after combustible gas (gc) monitoring. In the event of a small

methane fire, the field team will be prepared to control the fire using CO₂ or dry chemical.

Upon notification of an on-site fire or explosion, all site personnel will assemble at the decontamination line. The fire department will be alerted by calling 911 for response services. All site personnel will be moved a safe distance from the involved area.

If PPE worn by personnel fails or is otherwise altered in such a manner that the level of protection is affected, the workplace must be vacated. The person affected will immediately leave the work zone. Re-entry will not be permitted until the equipment has been repaired or replaced.

Field personnel must notify the PS when any on-site equipment fails to operate properly. The PS will determine the effect of this failure on continuing operations on-site. If the failure affects the safety of personnel or prevents completion of assigned tasks, all personnel will leave the work zone until the situation is evaluated and appropriate actions taken.

In all situations, when an onsite emergency results in evacuation, personnel will not re-enter until:

1. The conditions resulting in emergency have been corrected,
2. The hazards have been reassessed,
3. The CHASP has been reviewed; and
4. Site personnel have been briefed on any changes in the CHASP.

10.4.2 Emergency Medical Care

The following describes emergency procedures when it is suspected that a person has suffered from chemical exposure.

Dickinson County Memorial Hospital (Phone # 779-4555) will be contacted in an emergency. The hospital is located at 1721 Stephenson Avenue, Iron Mountain, Michigan, and a map of the route and alternate routes is attached as Figure 10-1. A local ambulance service is available by calling 911. First-aid equipment (including a first-aid kit, emergency eye wash and emergency shower) will be available on site.

Skin Contact

1. Flush with water.
2. Remove clothing, if necessary.
3. Wash and rinse affected area for at least 20 minutes. Decontaminate and provide appropriate medical attention.

Inhalation

1. Move person away from area
2. Administer CPR as needed.
3. Decontaminate and transport to hospital for medical attention (Figure 10-1).

Ingestion

1. Decontaminate and transport to hospital for medical attention.

Eye Contact

1. Irrigate with water for at least 15 minutes.
2. Decontaminate and transport to hospital for medical attention (Figure 10-1).

In the event of a serious accident/injury, the PS will make an immediate telephone report to the PM outlining all details of the accident/injury and action(s) taken. This reporting procedure will be accomplished using the Contractor's Accident/Incident Report. The report will include at a minimum the following information:

- Chronological history of the incident
- Facts concerning the incident and when they became available
- Title and names of personnel involved

ARCADIS

**Exhibit E
Construction Health
And Safety Plan
Guideline**

Restrictive Covenant
Carter Drive Right-of-Way
Kingsford, Michigan

- Actions (decisions made and by whom) orders given (to whom, by whom, and when) action taken (who did what, when, where, and how)
- Possible exposure(s) of site personnel
- History of all injuries or illnesses during or as a result of the emergency

In the event of a spill of hazardous materials on site, the PS will control the spill and proceed to absorb and containerize the material. In addition, the PS may conduct air monitoring to characterize exposure hazards from the incident.

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Table E4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
ORGANICS					
VOCs					
Acetone	250 ppm	2,500 ppm	Inh, Ing, Con	9.69 eV	12.8%/2.5%
Benzene ¹	CA (0.1 ppm)	CA (500 ppm)	Inh, Abs, Ing, Con	9.24 eV	7.8%/1.2%
1,2-Dichloroethene	None	None			
Ethylbenzene	100 ppm	800 ppm	Inh, Ing, Con	8.76 eV	6.7%/0.8%
Methane	None	None	Asphyxiant		15%/5.3%
Naphthalene	10 ppm	250 ppm	Inh, Abs, Ing, Con	8.12 eV	5.9%/0.9%
1,1,2,2-Tetrachloroethane	CA 1 ppm	100 ppm	Inh, Abs, Ing, Con	11.10 eV	ND/ND
Toluene	100 ppm	500 ppm	Inh, Abs, Ing, Con	8.82 eV	7.1%/1.1%
1,2,4-Trichlorobenzene	C 5 ppm	ND	Inh, Abs, Ing, Con	ND	6.6%/302 degF
Trichloroethene (also called Trichloroethylene)	25 ppm	CA (1,000 ppm)	Inh, Abs, Ing, Con	9.45 eV	10.5%/8%
1,2,4-Trimethylbenzene	25 ppm	ND	Inh, Ing, Con	8.27 eV	6.4%/0.9%
1,3,5-Trimethylbenzene	25 ppm	NA	Inh, Ing, Con	8.39 eV	ND/ND
m-Xylene	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.56 eV	7.0%/1.1%
o-Xylene	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.56 eV	6.7%/0.9%
p-Xylene	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.44 eV	7.0%/1.1%
SVOCs					
Acenaphthalene	None	None			
Anthracene	None	None			
Benzo(a)anthracene	None	None			
Benzo(a)pyrene	CA- 0.1 ppm	CA- 80 ppm	Inh, Con	varies	varies
Benzo(b)fluoranthene	None	None			
Benzo(g,h,i)perylene	None	None			
Benzo(k)fluoranthene	None	None			
Bis(2-ethylhexyl) phthalate	None	None			
2-Butanone	200 ppm	3,000 ppm	Inh, Ing, Con	9.54 eV	11.4%/1.4%

Footnotes on Page 4.

Page 101 of 137
 NJ Date 08/03/2011
 Time 08:44:23
 GL 733/158

ARCADIS

Table E4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
<i>SVOCs (continued)</i>					
Butylbenzene phthalate	None	None			
Carbon sulfide	None	None			
Chrysene	CA- 0.1 ppm	CA- 80 ppm	Inh, Con	varies	varies
Cis-1,2-dichloroethene	None	None			
2,4-Dimethylphenol	None	None			ND/ND
Di-n-butyl phthalate	5 ppm	4,000 ppm	Inh, Ing, Con	ND	
Fluoranthene	0.5 ppm	50 ppm	Inh, Abs, Ing, Con	ND	ND/ND
Fluorene	None	None			
2-Hexanone	1.0 ppm	1,600 ppm	Inh, Abs, Ing, Con	9.34 eV	8%/ND
Ideno(1,2,3-cd)pyrene	None	None			
Isopropylbenzene	None	None			
Isopropyltoluene	None	None			
Methylene chloride	CA - ND OSHA = 25 ppm	CA 2,300 ppm	Inh, Abs, Ing, Con	11.32 eV	23%/13%
2-Methylnaphthalene	None	None	Ing		ND/ND
2-Methylphenol	None	None			
4-Methylphenol	2.3 ppm	250 ppm	Inh, Abs, Ing, Con	8.97 eV	ND/1.1%
2-Methyl 2-pentanone	None	None			
N-butylbenzene	None	None			
N-nitrosodiphenylamine	CA- ND	CA- ND	Inh, Abs, Ing, Con	8.69 eV	ND/ND
N-propylbenzene	None	None			
Naphthalene	10 ppm	250 ppm	Inh, Abs, Ing, Con	8.12 eV	5.9%/0.9%
Phenanthrene	None	None			
Phenol	5 ppm	250 ppm	Inh, Abs, Ing, Con	8.50 eV	8.6%/1.6%
Pyrene	None	None			
Sec-butylbenzene	None	None			
Tetrachloroethene	None	None			
Trichloroethene	CA - ND	CA 1,000 ppm	Inh, Abs, Ing, Con	9.45 eV	10.5%/8.5%

Footnotes on Page 4.

Page 102 of 137
 NMJ Date 08/03/2011
 Time 08:44:23
 GL 733/159

ARCADIS

Table E4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ioniation Potential	UEL/LEL
<i>Pesticides and Non-VOCs</i>					
Aldrin	CA (0.25 ppm)	CA 25 ppm	Inh, Abs, Ing, Con	ND	NA/NA
Aroclor 1248	None	None			
BHC (alpha)	None	None	full name?		
BHC (gamma)	None	None	full name?		
4-4' DDD			full name?		
4-4' DDE			full name?		
Chlordane (alpha)	CA (0.5 ppm)	CA (100 ppm)	Inh, Abs, Ing, Con	ND	NA/NA
Chlordane (gamma)	CA (0.5 ppm)	CA (100 ppm)	Inh, Abs, Ing, Con	ND	NA/NA
Cholesterol	None	None			
Dibenzofuran	None	None			
Dieldrin	CA (0.25 ppm)	CA (50 ppm)	Inh, Abs, Ing, Con	ND	NA/NA
Diethyl phthalate	5 ppm	ND	Inh, Ing, Con	ND	NA/0.7%
Endosulfan II	0.1 ppm	ND	Inh, Abs, Ing, Con	ND	NA/NA
Endrin	0.1 ppm	2 ppm	Inh, Abs, Ing, Con	ND	NA/NA
Endrin aldehyde	None	None			
Endrin ketone	None	None			
Heptachlor epoxy**	CA (0.5 ppm)	CA (35 ppm)	Inh, Abs, Ing, Con	ND	NA/NA
Methoxychlor	CA - ND	CA (5,000 ppm)	Inh, Ing	ND	NA/NA
	OSHA = 15 ppm				
<i>Inorganics (Metals)</i>					
Aluminum	2.0 ppm	ND	Inh, Ing, Con	Varies	NA/NA
Antimony	0.5 ppm	50 ppm	Inh, Ing, Con	NA	NA/NA
Arsenic	0.002 ppm	5 ppm	Inh, Abs, Ing, Con	NA	NA/NA
Barium	0.5 ppm	50 ppm	Inh, Ing, Con	NA	NA/NA
Beryllium	CA- 0.0005 ppm	4 ppm	Inh, Con	NA	NA/NA
Cadmium	CA- 0.005 ppm (OSHA)	9 ppm	Inh, Ing	NA	NA/NA
Calcium	None	None			
Chromium	0.5 ppm	25 ppm	Inh, Ing, Con	NA	NA/NA

Footnotes on Page 4.

Page 103 of 137
NMJ Date 08/03/2011GL 733/160
Time 08:44:23

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Table E4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ioniation Potential	UEL/LEL
<i>Inorganics (Metals) (continued)</i>					
Cobalt	0.05 ppm	20 ppm	Inh, Ing, Con	NA	NA/NA
Copper	1.0 ppm	100 ppm	Inh, Ing, Con	NA	NA/NA
Iron	5.0 ppm	ND	Inh	NA	NA/NA
Lead	0.05 ppm	100 ppm	Inh, Ing, Con	NA	NA/NA
Magnesium	15.0 ppm	750 ppm	Inh, Con	NA	NA/NA
Manganese	1 ppm	500 ppm	Inh, Ing, Con	NA	NA/NA
Mercury	0.5 ppm (vapor) 0.1 ppm (other)	10 ppm	Inh, Abs, Ing, Con	NA	
Molybdenum	5.0 ppm	1,000 ppm	Inh, Ing, Con	NA	NA/NA
Nickel	0.015 ppm	10 ppm	Inh, Ing, Con	NA	NA/NA
Potassium	None	None			
Selenium	0.2 ppm	1.0 ppm	Inh, Ing, Con	NA	NA/NA
Silver	0.01 ppm	10 ppm	Inh, Ing, Con	NA	NA/NA
Sodium	None	None			
Thallium	0.1 ppm	15 ppm	Inh, Abs, Ing, Con	NA	
Titanium	CA - ND (15 ppm OSHA)	5,000 ppm	Inh	NA	
Vanadium	OSHA = C 0.5 ppm	35 ppm	Inh, Ing, Con	NA	NA/NA
Zinc	5 ppm	500 ppm	Inh	NA	

OSHA level of protection criteria is listed when NIOSH exposure limit is not specified.

† Level of protection criteria for benzene obtained from OSHA 29 CFR 1910.1028/Benzene/Z/Toxic and Hazardous Substances.

* Eye protection is also necessary.

** Listed as Heptachlor

Abs Skin Absorption.

CA NIOSH has recommended the substance be treated as a potential human carcinogen. IDLH not listed.

Level of protection criteria should be the lowest detectable concentration.

Con Skin and/or Eye Contact

eV Electron Volts

IDLH Immediately Dangerous to Life or Health. In the event of respirator failure, one could escape within 30 minutes without experiencing any irreversible health effects.

Page 104 of 137
NMJ Date 08/03/2011

GL 733/161
Time 08:44:23

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Table E4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Ford/Kingsford Site, Kingsford, Michigan.

Ing	Ingestion
Inh	Inhalation
LEL	Lower Explosive Limit.
NA	Not Applicable
ND	Not Determined
PCBs	Polychlorinated biphenyls.
PEL	Based on 8 Hour Time-Weighted Averaged.
ppm	Part Per Million = mg/L.
ppb	Parts Per Billion = μ g/L.
UEL	Upper Explosive Limit.

From:

- NIOSH Pocket Guide to Chemical Hazards.
- Groundwater Chemicals Desk Reference Montgomery and Welton.
- Dangerous Properties of Industrial Chemicals, Sat and Lewis.

Page 105 of 137
 NJ Date 08/03/2011
 Time 08:44:23
 GL 733/162

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Table E6-1. Signs and Symptoms of Chemical Exposure and Heat Stress that Indicate Potential Medical Emergencies, Ford/Kingsford Site, Kingsford, Michigan.

Type of Hazard	Signs and Symptoms
<i>Chemical Hazard</i>	Behavioral changes Breathing difficulties Changes in complexion or skin color Coordination difficulties Coughing Dizziness Diarrhea Fatigue and/or weakness Irritability Irritation of eyes, nose, respiratory tract, skin, or throat Headache Light-headedness Nausea Sneezing Sweating Tearing Tightness in the chest
<i>Heat Exhaustion</i>	Clammy skin Confusion Dizziness Fainting Fatigue Heat Rash Light-headedness Nausea Profuse sweating Slurred speech Weak pulse
<i>Heat Stroke (may be fatal)</i>	Confusion Convulsions Hot skin, high temperature (yet may feel chilled) Incoherent speech Staggering gait Sweating stops (yet residual sweat may be present) Unconsciousness

Table E7-1. Action Levels, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.

Instrument	Reading	Action
<i>PID</i>	< 10 ppm or = 10 ppm	Level D
	>10 ppm, <50 ppm	Level C
	>50 ppm	Stop Work
<i>MIE Miniram</i>	<1.0 mg/m ³	Continue work
	>1.0 mg/m ³ < 2.5 mg/m ³	Level C or implement dust suppression
	>2.5 mg/m ³	Stop work
<i>Combustible Gas Indicator</i>	<20% or = 20% LEL	Continue Work
	>20% LEL	Stop Work. Allow to ventilate
<i>Oxygen Analyzer</i>	<19.5% or =19.5%	Stop work, raise oxygen content with forced ventilation
	> 23% or = 23%	Stop work, allow area to ventilate

LEL Lower explosive limit.
 mg/m³ Milligrams per cubic meter.
 PID Photoionization detector.
 ppm Parts per million.

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**Table E10-1. Emergency Phone Numbers and Directions to Dickinson County Memorial Hospital,
Ford/Kingsford Site, Kingsford, Michigan.**

Site Area Code	906
Police Emergency	911
Police Non-Emergency	774-2525
Fire Emergency	911
Fire Non-Emergency	774-1265
Ambulance	911
Beacon Ambulance Service	779-5050
Rescue Squad	911
Dickinson County Sheriff	774-6262
Hospital Emergency	779-4555
Hospital Non-Emergency	774-1313
Poison Control Center	1 (800) 562-9781
Toxic Substances Center for Disease Control (CDC)	1 (404) 452-4100
CDC Hotline	1 (202) 554-1404 1 (404) 329-2888
Contractor Project Manager Mike Stevens	1 (763) 479-1797
Client Contacts	
Ford Motor Company David Miller	1 (313) 322-3761
Kingsford Products Company Daniel Musgrove	1 (708) 728-4328
Contractor Corporate Health & Safety Mike Stevens	1 (763) 479-1797
Diggers Hotline	1 (800) 482-7171

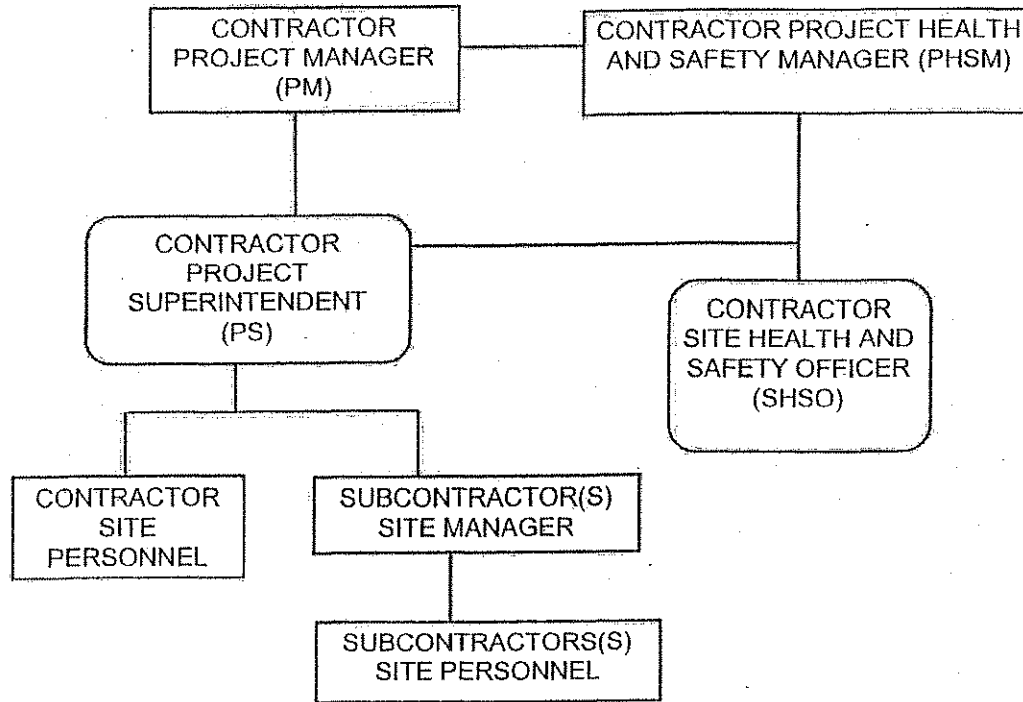
Dickinson County Memorial Hospital - South US Highway 2, Iron Mountain, Michigan

Directions to Hospital: (Figure B10-1)

East on Carter Drive to Balsam Street. South (right) on Balsam Street to Breitung Avenue.
East on Breitung Avenue to Hydraulic Falls Road. North (left) on Hydraulic Falls Road
to US Highway 2 (Stephenson Avenue). South (right) on US Highway 2 for approximately
1 mile to Dickinson Memorial Hospital.

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Figure E2-1. Project Health and Safety Organization and Reporting, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.



Page 109 of 137
GL 733/166
NMJ Date 08/03/2011 Time 08:44:23

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Figure E2-2. Sample Health and Safety Meeting Form, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.

SITE Ford/Kingsford LOCATION Kingsford, Michigan
WORK LOCATION AT SITE Carter Drive Right-of-Way
PREPARED BY _____
PROJECT MANAGER _____
TYPE OF WORK _____

SAFETY TOPICS PRESENTED

CHEMICAL HAZARDS AND EXPOSURE ROUTES _____

PHYSICAL HAZARDS AT SITE AND HAZARDS RELATED TO TYPE OF WORK _____

PROTECTIVE CLOTHING/MONITORING EQUIPMENT REQUIRED _____

_____ STEEL TOE BOOTS	_____ GLOVES (SPECIFIC TYPE)
_____ HARD HAT	_____ TYVEK
_____ SAFETY GLASSES/GOGGLES	_____ RESPIRATOR (Specify Cartridge Selection)
_____ SPECIAL EQUIPMENT	_____

EMERGENCY INFORMATION

AMBULANCE/PARAMEDIC PHONE () _____ HOSPITAL () _____
ROUTE TO HOSPITAL (Attach Map if Necessary) _____

ATTENDEES

MEETING GIVEN BY	DATE	TIME
SIGNATURES _____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

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Figure E2-5. Sample Emergency Medical Data Sheet, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.

Project: _____
Name: _____ Home Telephone _____
Address: _____

Age: _____ Height: _____ Weight: _____ Blood Type: _____

Emergency Contact: _____

Drugs or other allergies: _____

Particular sensitivities: _____

Do you wear contacts? _____

Provide checklist of previous illnesses _____

Have you ever had any previous exposures to hazardous chemicals? Please Detail. _____

What medications are you currently using? _____

Do you have any medical restrictions? Please detail. _____

Name, address, and phone number of personal physician: _____

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Figure E2-6. Sample Emergency Report Form, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.

1. DATE _____
2. TIME OF ACCIDENT _____
CLIMATIC CONDITIONS _____
3. ON-SITE COORDINATOR _____
4. EMPLOYEE INJURED _____
5. COMPANY AFFILIATION _____
6. SOCIAL SECURITY NUMBER _____
7. INSURANCE COMPANY _____
8. NUMBER OF WORKERS AT SITE _____
NAMES OF WORKERS _____ COMPANY AFFILIATION _____

9. CIRCUMSTANCES OF THE INJURY/EMERGENCY ACTION _____

10. EMERGENCY ACTIONS TAKEN _____

11. WAS FIRST AID PROVIDED? _____

12. WAS AN EMERGENCY PHONE CALL MADE TO THE PROJECT
SAFETY OFFICER? _____
IF SO, TIME: _____
13. AMBULANCE SERVICE USED _____
14. HOSPITAL USED _____
15. ATTENDING PHYSICIAN _____
16. COMPANY REPRESENTATIVE CONTACTED _____
17. CONTRACTOR REPRESENTATIVE CONTACTED _____

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Figure E2-7. CHASP Approvals, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.

By their signature, the undersigned certify that this CHASP is approved and will be utilized for operations to be conducted under this plan.

Contractor Project Manager

Date

Contractor Project Superintendent

Date

Contractor PHSM

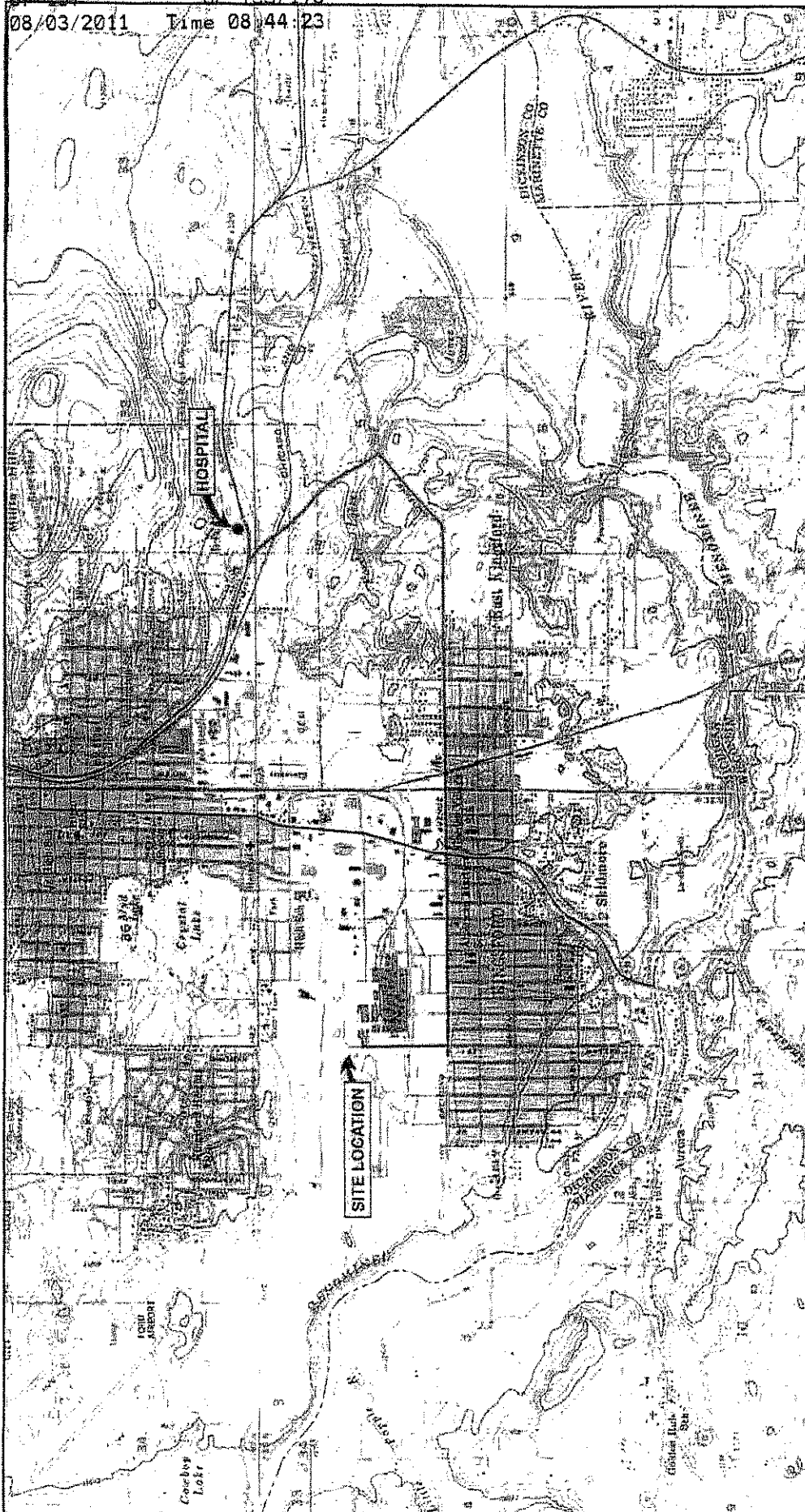
Date

Owner

Date

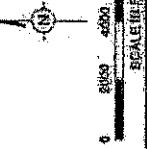
Contractor Occupational Safety and
Health Representative

Date



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN, QUADRANGLE, 1956, PHOTOGRAPHIC TAPE

Route to Hospital: Carter drive east to Balsam Street, Balsam Street south to Bishop Avenue, East on Bishop Avenue to Highway 2, Road north on Highway 2 to US Highway 2 (Stephenson Avenue), South on US Highway 2 to Dickinson County Memorial Hospital.
 Hospital Address: 1721 Stephenson Avenue, Iron Mountain, Michigan.



	ROUTE TO HOSPITAL CARTER DRIVE RIGHT-OF-WAY CUSTODIAN OFFICE SITE KIRKSPOTTS LUNCHES	FIGURE E10-1
--	--	-------------------------------

EXHIBIT F

OPERATION AND MAINTENANCE PLAN FOR THE PROPERTY

Exhibit F

Operation and Maintenance (O&M) Plan

**Carter Drive Right-of-Way
Ford/Kingsford Site
Kingsford, Michigan**

**Prepared for:
Ford Motor Company
The Kingsford Products Company**

	Carter Drive Right-of-Way O&M Plan	
Introduction		1
Objectives	Ford/Kingsford Site Kingsford, Michigan	1
Site Background		2
Performance and Compliance Monitoring Plan		3
Inspection		3
Maintenance Schedule		3
Contingency Plan		3
Contingency Plan -- Response		4
Contingency Plan - Procedures		4
Identification of Hazardous Materials and Assessment of Possible Hazards		5
Assessment and Control Procedures		5
Reporting Requirements		5
Records Retainage		5
Operation and Maintenance Records		6
Reporting		6
Table		
F-1. Facility Inspection Activities, Ford/Kingsford Site, Kingsford, Michigan.		
Figure		
F-1. Site Location, Ford/Kingsford Site, Kingsford, Michigan.		
Appendix		
A Example Inspection Form, Ford/Kingsford Site, Kingsford, Michigan.		

Carter Drive Right-of-Way

Ford/Kingsford Site
Kingsford, Michigan

Introduction

This Operation and Maintenance (O&M) Plan has been prepared for the Carter Drive Right-of-Way (the "Property") at the Ford/Kingsford site in Kingsford, Michigan. The O&M Plan describes the strategy for maintaining the existing asphalt barrier and implementing institutional controls.

The Property is associated with the former Northeast Pit Area. The response activities that have been implemented to address environmental contamination are fully described in the Northeast Pit IRAP dated January 8, 2003, and Addendum, and submitted by ARCADIS G&M, Inc. on behalf of Ford Motor Company ("Ford") and The Kingsford Products Company LLC ("KPC"). The Michigan Department of Environmental Quality ("MDEQ") approved the IRAP in a letter dated August 25, 2003, pursuant to Part 201 of the Natural Resources and Environmental Protection Act ("NREPA"), 1994 PA 451, as amended, MCL 324.20101 *et seq.* Ford and KPC intend to incorporate the IRAP into a Remedial Action Plan.

Objectives

The objective of this O&M Plan is to describe procedures for maintenance and monitoring of the interim response action for the Property. This plan is prepared to guide field personnel on maintenance procedures for the existing barrier and implementation of the land use controls to maximize effectiveness of the remedy. Implementation of the plan will assist in achieving the following objectives:

- Verify that the barrier is in-place and in good condition in the area that is subject to the restrictive covenant.
- Provide for the protection of human health and the environment.
- Inspect and document that the institutional controls included in the restrictive covenant are implemented and observed. These institutional controls include:
 - Limit land use to commercial or industrial,
 - Maintain the current barrier in place within the Carter Drive Right-of-Way (i.e., asphalt pavement, landscaping, and clean fill cover),
 - Prohibit excavation or penetration through the existing barrier,

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Exhibit F Operation and Maintenance Plan

Carter Drive Right-of-Way

Ford/Kingsford Site
Kingsford, Michigan

- Require repair of the barrier if breached, and
- Prohibit the use of groundwater beneath the Property.

Elements of this plan address the following:

- Site Background
- Performance and Compliance Monitoring Program
- Contingency Plan
- Reporting Requirements

Site Background

The Carter Drive Right-of-Way site is located in Kingsford, Dickinson County, Michigan as illustrated in Figure F-1. The Property, an approximate 500 foot stretch of roadway owned by the City of Kingsford, lies in an area zoned for industrial use. The Property is located adjacent to the Former Plant Site that was used by Ford Motor Company from 1920s until 1951 and later by Kingsford Chemical Company from 1951 to 1957 and Kingsford Company from 1957 until 1961. Operations by Ford, Kingsford Chemical Company, and the Kingsford Company included the manufacture of automobile parts and assembly of automobile bodies, manufacture and assembly of wartime gliders, production of charcoal, and chemical distillation activities. Waste conveyance structures and waste pipelines were also present at the site

The primary focus of the response action is to prevent direct contact with impacted soils/waste materials that are left in place in locations inaccessible under the present Carter Drive Right-of-Way.

**Exhibit F
Operation and
Maintenance Plan**

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Carter Drive Right-of-Way

Ford/Kingsford Site
Kingsford, Michigan

Performance and Compliance Monitoring Plan

Performance and compliance monitoring provides a way to verify that the site remedy is implemented, performing satisfactorily, and is in compliance with regulatory requirements. The elements of the Performance and Compliance Monitoring Plan include: inspection and institutional controls implementation. These topics are discussed in further detail in the subsequent sections.

Inspection

On-site inspection activities will be conducted by a designated representative who will perform and document the activities identified in this Plan. The appearance of the existing asphalt pavement and landscaping on the Property will be recorded on a standard inspection form. Inspection to determine the observance of institutional controls and appropriate signage are also part of the inspection duties. For each inspection, forms will be used to record findings, unusual conditions, and corrective action taken. An example inspection form is included in Appendix A. The inspection form may change in format throughout the post-closure period; however, the substance of the form will remain the same. Conditions requiring corrective action will be rectified and the repair will be documented on a Corrective Action Form. Table F-1 summarizes the specific activities and frequencies. Records of corrective actions will be maintained in the site management files.

Maintenance Schedule

The inspections frequency will be as listed on Table F-1 throughout the life of the response action. Active maintenance will be performed as necessary based on the observations reported during routine inspections of the cover system.

Contingency Plan

In the unlikely event that it is determined that the barrier has failed and there has been a release to the environment, specific actions are necessary. This section provides direction regarding this potential and is organized into two sections Contingency Plan – Response and Contingency Plan – Procedures. Any handling of waste material will be performed in accordance with the Waste Management Plan for the Property.

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Exhibit F Operation and Maintenance Plan

Carter Drive Right-of-Way

Ford/Kingsford Site
Kingsford, Michigan

Contingency Plan – Response

Potential incidents that might require a contingency plan response include 1) fire/explosion, and 2) release of waste.

The soils and waste below the existing asphalt barrier do not present a fire hazard themselves. The soils do not contain flammable gas concentrations sufficient to ignite and the waste material below is not exposed to a spark.

Spontaneous failure of the existing asphalt barrier with release of material to the surface is highly unlikely. The site is completed at grade and there are no slopes that might become unstable. However, to present a contingency plan, should failure occur there exists the possibility of direct contact with waste. Repairs to the barrier and/or modifications would take place in this instance. In the event that the barrier will not or cannot be immediately repaired, the waste materials will be removed. Notification and course of action will be as specified in the following section.

Contingency Plan - Procedures

Should there be physical or analytical evidence that the barrier has failed, a determination will be made of the potential threat to public health and the environment. Any and all actions needed to secure, contain, and clean up the release will be taken. In any instance of a reportable release/failure, or fire or explosion, the MDEQ will be notified. The time, date, and details of any incident that requires emergency response implementation will be noted in the site log book. Within 10 days after an incident at the site, a written report on the incident will be submitted to MDEQ. The report will include:

- Name, address and telephone of owner.
- Name and address of the site.
- Date, time, and type of incident or observation.
- Name and quantity of material(s) involved.
- Extent of injuries (if any).

Carter Drive Right-of-Way

Ford/Kingsford Site
Kingsford, Michigan

- An assessment of actual or potential hazards to human health or the environment, where this is applicable.
- Estimated quantity and disposition of recovered material that resulted from the incident.

Identification of Hazardous Materials and Assessment of Possible Hazards

The hazardous materials that could potentially be released are impacted soils and waste. The possible hazards associated with the soils are minimal but include risks from ingestion and dermal contact.

Assessment and Control Procedures

In the unusual event of a release, the appropriate containment procedures and repairs would be implemented immediately to mitigate the release and provide a protective cover over waste material. If the barrier is not planned for repair or cannot be repaired, the waste material will be removed. Roadway or landscaping modification will not be completed until soil confirmation sampling results are received and results verified to not exceed commercial industrial indoor air or direct contact criteria.

If it is suspected that contamination may have occurred as a result of the incident, the following steps will be taken:

- Sample, and analyze any soil, surface water or sediments potentially impacted by the release.
- Evaluate the data to determine whether constituents have entered the environment at levels above risk based standards.

Reporting Requirements

Records Retainage

Records shall be maintained for a minimum of 3 years.

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**Exhibit F
Operation and
Maintenance Plan**

Carter Drive Right-of-Way

Ford/Kingsford Site
Kingsford, Michigan

O&M Records

Operation and maintenance activities for the barrier will be recorded in the appropriate logbook or computer system. Notations should be made when the system is inspected and maintained, engineering measurements are taken, and when corrective measures are implemented. As indicated, inspection forms are included in Appendix A of this report. Corrective action measures and re-inspection forms should be completed during the period that the corrective measures take place.

Reporting

O&M reports will be prepared annually that will include at a minimum a discussion of the Property monitoring activities performed during the reporting period, sampling results and barrier performance evaluation, incidences of noncompliance and corrective actions taken, maintenance performed that is other than preventative maintenance, key personnel changes, and coordination activities. Any proposed modifications to the configuration or operation of the barrier system will be included.

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Page 129 of 137
NMJ Date 08/03/2011

GL 733/186
Time 08:44:23

Tables

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Table F-1. Facility Inspection Activities, Carter Drive Right-of-Way, Ford/Kingsford Site, Kingsford, Michigan.

Item	Types of Problems	Frequency of Inspection	Circumstance or Trigger Level (if applicable)	Corrective Action
Cover	Slumping, cracking, damage, or buckling	Annually	Visual evidence of discontinuity of surface - by way of depressions or cracks	Evaluate and prepare corrective action plan and submit to MDEQ
Cover Perimeter Outlet/Drainage System	Excessive growth at cover perimeter (mowing required)	Annually	Evidence of excessive growth which hinders visual inspection of cover	Mow vegetation
	Tree and scrub oak seedlings or other deep-rooted vegetation	Annually	Evidence of growth	Remove unwanted vegetation
	Erosion, obstructions to flow, deterioration, excessive siltation, inadequate protective vegetation	Annually and after extreme weather events	Any obstructions to flow; silt buildup in excess of 50% of design freeboard; greater than 20% of area devoid of vegetation	Remove obstruction and/or silt. Revegetate as required
Signage	Damaged, illegible	Annually	Impacted by construction or vandalism	Replace Signs

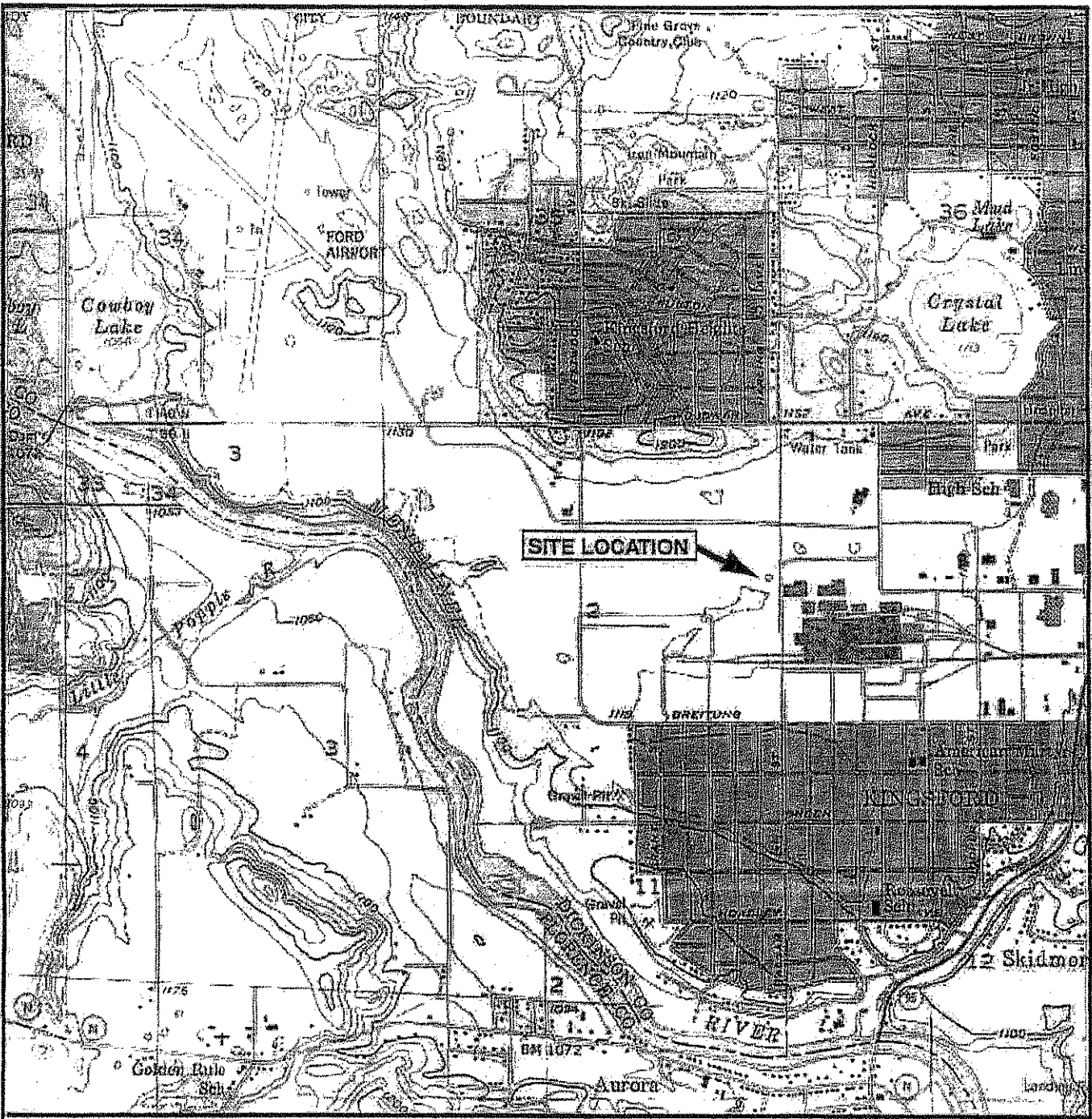
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Figures

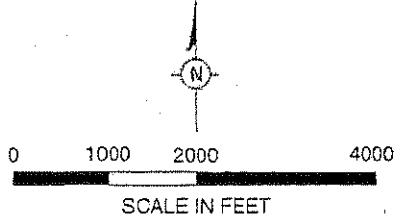
DRAWING: SITE_LOC_F1_CARTER.A1 | CHECKED: CK | FILE NO: GRAPHICS | P.N: FORDW06372006 | DWG DATE: 24FEB06

DRAFTER: LMB

APPROVED:



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982



Page 132 of 137 GL 733/189
NMJ Date 08/03/2011 Time 08:44:23



MICHIGAN



SITE LOCATION MAP

CARTER DRIVE RIGHT-OF-WAY
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE

F-1

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Page 133 of 137
NMJ Date 08/03/2011

GL 733/190
Time 08:44:23

Appendix A

Example Inspection Form

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Operation and Maintenance Inspection Form
Carter Drive Right-of-Way
Ford - Kingsford Products Facility

Page 1 of 2

Date of Inspection: _____
Inspectors Name: _____
Inspectors Affiliation: _____
Time of Inspection: _____

Inspection Checklist

(All Yes responses require an explanation and the attachment of a Corrective Action Form)

Evidence of heaving or subsidence of the asphalt cover resulting in uneven surfaces, cracks, breaks or crumbling of the asphalt. No Yes

Explanation: _____

Signs of excessive erosion of cover or vegetative perimeter. No Yes

Explanation: _____

Signs of burrowing animals, or deep rooted woody plants established on the cover or around the cover perimeter. No Yes

Explanation: _____

Stormwater conveyance structures and pond shows evidence of erosion, silt accumulation, or other deficiency which would inhibit proper operation. No Yes

Explanation: _____

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Operation and Maintenance Inspection Form
Former North East Pit Cover System
Ford - Kingsford Products Facility

Page 2 of 2

Date of Inspection: _____
Inspectors Name: _____
Inspectors Affiliation: _____
Time of Inspection: _____

Inspection Checklist

(All Yes responses require the attachment of a Corrective Action Form)

Physical signs of settlement or subsidence of cover (Yes response requires attachment of the Movement Inspection Form in addition to the Corrective Action Form). No Yes

Explanation: _____

Groundwater level measurement or groundwater sample collected (Yes response requires an attachment of Groundwater Monitoring System Form). No Yes

Explanation: _____

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Groundwater Monitoring System Inspection Form
Carter Drive Right-of-Way
Ford - Kingsford Products Facility

Date of Inspection: _____
Inspectors Name: _____
Inspectors Affiliation: _____
Time of Inspection: _____

Inspection Checklist

(All Yes responses require an explanation and the attachment of a Corrective Action Form)

Physical damage to well casing No Yes
Explanation: _____

Locking system is damaged, inoperable, or well cap not secured and locked No Yes
Explanation: _____

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Corrective Action Form
Carter Drive Right-of-Way
Ford - Kingsford Products Facility

Date of Inspection: _____

Inspectors Name: _____

Inspectors Affiliation: _____

Note: If Corrective Action cannot be completed within 30 days of the initial inspection date, a Corrective Action Plan must be prepared and maintained in the operating record until the corrective action has been completed.

Corrective Action Work Order

Description of Problem: _____

Required Correction: _____

Assigned To: _____ Date: _____

Corrective Action Completion Report

Date Recieved: _____ Received by: _____

Completed On: _____

Comments: _____

Completed By: _____ Date: _____

Reinspection Report

Observations: _____

Comments: _____

Completed By: _____ Date: _____

Former Southwest Pit Declaration of Restrictive Covenant

2012 JAN 30 PM 12: 25

AFFIDAVIT AFFECTING REAL PROPERTY

(This Affidavit is recorded pursuant to 1915 P.A. 123, as amended)

Angela C. Hilt, being first duly sworn, deposes and states as follows:

1. This Affidavit of Interest is based upon personal knowledge.
2. My address is 1221 Broadway, Oakland CA.
3. I am the Vice President and Corporate Secretary of The Kingsford Products Company LLC ("KPC), a Delaware limited liability company.
4. KPC has been granted an interest in the property described in Attachment 1 (the "Property") pursuant to a Restrictive Covenant recorded on at Liber 737, Page 632, Dickinson County Register of Deeds. Exhibit D of the Restrictive Covenant is an Operation & Maintenance Plan (the "O&M Plan").
5. Section 4 of the Restrictive Covenant includes the following language:

Exhibit F may be amended and/or modified from time to time, and if so, a revised Exhibit D will be recorded with the Register of Deeds to reflect such amendments or modifications. The submission of a revised Exhibit D shall not require approval or an amendment to this Restrictive Covenant.
6. The O&M Plan has been modified, and KPC is exercising its right to record the modified O&M Plan as a revised Exhibit D, pursuant to the terms of the Restrictive Covenant. The revised Exhibit D is included as Attachment 2 to this Affidavit of Interest.
7. This Affidavit of Interest has been executed and recorded for the purposes of recording the revised Exhibit F and giving further record notice of the revisions.
8. This Affidavit is made pursuant to MCL Section 565.451a, specifically MCL Section 565.451a(b) and (e).

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

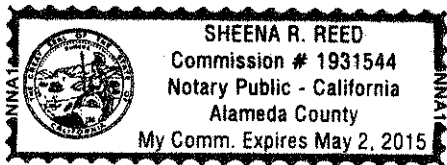
State of California

County of Alameda

On January 25, 2012 before me, Sheena R. Reed, Notary Public
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Angela C. Hilt
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.

Handwritten signature of Sheena R. Reed
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Affidavit Affecting Real Property
Document Date: January 25, 2012 Number of Pages: 2
Signer(s) Other Than Named Above: None

Capacity(ies) Claimed by Signer(s)

Signer's Name: Angela C. Hilt

- Individual
Corporate Officer (checked)
Title(s): Vice President - Secretary
Partner - Limited General
Attorney-in-Fact
Trustee
Guardian or Conservator
Other:

Signer's Name:

- Individual
Corporate Officer
Title(s):
Partner - Limited General
Attorney-in-Fact
Trustee
Guardian or Conservator
Other:

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Page 3 of 21
Date 01/31/2012

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GL 744/603
Time 09:57:11

Signer Is Representing:
The Kingsford Products Company LLC

Signer Is Representing:

LEGAL DESCRIPTION OF PROPERTY

A PARCEL OF LAND BEING PART OF THE S 1/2 OF THE NE 1/4 AND THE NE 1/2 OF THE SE 1/4 OF SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 2; THENCE S00°02'28"E, 2794.19' ALONG THE NORTH-SOUTH 1/4 LINE OF SECTION 2; THENCE N89°57'32"E, 1000.30' TO THE POINT OF BEGINNING; THENCE N67°09'56"E, 558.01' THENCE S89°59'13"E, 166.49'; THENCE S00°06'54"W, 554.50; THENCE N89°59'13"W, 679.59'; THENCE N00°00'38"W, 337.84' TO THE POINT OF BEGINNING CONTAINING 7.3796 ACRES AND SUBJECT TO RESTRICTIONS, RESERVATIONS, RIGHTS-OF-WAY AND EASEMENTS OF RECORD.

ATTACHMENT 2

REVISED EXHIBIT D TO
RESTRICTIVE COVENANT RECORDED AT GL 737/632



Imagine the result

Operation and Maintenance (O&M) Plan

**Former Southwest Pit
Kingsford, Michigan**

**Prepared for:
Ford - Kingsford Products Facility**

Introduction	1
Objectives	1
Site Background	2
Performance and Compliance Monitoring Plan	2
Maintenance of the Existing Surface Cover	2
Inspection	3
Erosion Prevention	3
Cover Effectiveness	4
Maintenance Schedule	4
Contingency Plan	4
Contingency Plan – Response	4
Contingency Plan – Procedures	5
Identification of Hazardous Materials and Assessment of Possible Hazards	5
Assessment and Control Procedures	5
Reporting Requirements	5
Records Retainage	5
O&M Records	5
Reporting	6

Table

1. Cover System Inspection Activities, Former Southwest Pit, Ford-Kingsford Products Facility, Kingsford, Michigan.

Figures

1. Site Location Map, Former Southwest Pit, Ford-Kingsford Products Facility, Kingsford, Michigan.
2. Cover System Footprint, Former Southwest Pit, Ford-Kingsford Products Facility, Kingsford, Michigan.

Appendix

- A Example Inspection Form and Corrective Action Form.

Introduction

This Operation and Maintenance (O&M) Plan has been prepared for the Former Southwest Pit Area (SW Pit) of the Ford – Kingsford Products Facility in Kingsford, Michigan. The O&M Plan describes the strategy for maintaining the integrity of the cover system.

The primary focus of the cover system is to prevent direct contact with waste materials, except under controlled conditions, and allow future use of the area overlying the SW Pit. The SW Pit completed response actions include the use of a permeable soil cover system and implementation of institutional controls.

This O&M plan may be revised as necessary to comply with the Remedial Action Plan (RAP) objectives. The revisions will not change the overall purpose or intent of the O&M plan and will thus, not require a revised plan to be recorded with the Dickinson County Register of Deeds. Nor will revisions to this O&M plan approved by the Michigan Department of Environmental Quality (MDEQ) be considered RAP revisions pursuant to the Consent Judgment.

Objectives

The objectives of this O&M Plan are to describe procedures for maintenance and monitoring of the permeable cover system at the SW Pit. This plan describes maintenance procedures for the cover system to maximize the effectiveness of the SW Pit cover. Implementation of the plan will provide for protection of human health and the environment achieving the following objectives:

- Verify that the cover system is in-place and in good condition in the area that is subject to the restrictive covenant.
- Inspect and document that the restrictive covenant is implemented and observed. These restrictions include:
 - Limit land use to recreational.
 - Maintain the current cover system in place at the former SW Pit.
 - Prohibit excavation or penetration through the existing cover system.

- Promote drainage and minimize erosion or abrasion of the cover system.

Elements of this O&M Plan address the following:

- Site Background.
- Performance and Compliance Monitoring Program.
- Contingency Plan.
- Reporting Requirements.

Site Background

The SW Pit (center point) is located approximately 1,100 feet north of Breitung Avenue and approximately 1,500 feet west of Balsam Street in the central portion of the City of Kingsford, Dickinson County, Michigan (Figure 1). A plan view of the SW Pit Area is shown on Figure 2.

The primary focus of the SW Pit response actions is to prevent direct contact with waste materials, except under controlled conditions, and allow future use of the area overlying the SW Pit. The SW Pit response actions include the cover system and implementation of institutional controls.

Performance and Compliance Monitoring Plan

Maintenance of the cover system according to this O&M Plan will ensure satisfactory performance of the response action for the SW Pit.

Maintenance of the Existing Surface Cover

On-site care for the cover will include visual inspection of the area to identify disruptions of the surface cover, maintenance of the cover system (dependent on the results of inspection), maintaining vegetation of the surface cover and immediately adjacent areas, maintenance of improved surfaces (i.e., baseball and football field) that are part of the cover system, and erosion control.

Inspection

On-site inspection activities will be conducted to perform and document the activities identified in this O&M Plan. A site logbook and/or project database will be maintained containing information on site visits, corrective action forms submitted, and any corrective actions. The appearance of the surface cover will be recorded on a standard inspection form. For each inspection, forms will be used to record findings, unusual conditions, and any corrective actions. An example of the inspection form and the Corrective Action Form is included in Appendix A. The example inspection form may change in format throughout the O&M period; however, the general content will remain the same. Conditions requiring corrective action will be rectified and the repair will be documented on the Corrective Action Form. Table 1 summarizes the specific O&M activities and frequencies.

Erosion Prevention

The majority of the SW Pit area is vegetated. The football field and baseball diamond have finished surfaces and grass, and the areas northeast of the baseball diamond and south of the recreation area are vegetated with grass and native plants. Erosion control will entail the confirmed maintenance of these surfaces, as required, to prevent breakdown or significant erosion.

Periodically, the cover system may be inspected following a period of heavy rain to observe the pattern of stormwater flow. Inspections may also be conducted after extreme weather events (e.g., tornadoes, 10-year/24-hour precipitation events).

Inspections of the cover system and its drainage features will include, but not be limited to the following: obstructions to stormwater flow, erosion, excessive siltation or debris, and inadequate vegetation. Should any vegetated area show significant washout or gulying (greater than 4 inches), the eroded area will be filled when the weather conditions permit or within 30 days, whichever occurs first. If results of the cover inspection indicate that drainage patterns have changed resulting in ponding or excessive run-off, the affected area will be appropriately repaired to re-establish correct flow direction. Any significant sediment accumulation in the drainage system will be removed. If greater than 20 percent of the planned vegetated surface is devoid of vegetation, the area will be re-vegetated as appropriate as weather conditions permit. If recreational surfaces show visible signs of breakdown, they will be repaired consistent with their design.

Steps will be taken to verify that drainage pathways are maintained throughout the O&M period. Vegetation shall be mowed at least annually at the cover perimeter during the growing season. Baiting for rodents and treating for burrowing animals will also be administered, if the need is observed during inspection.

Cover Effectiveness

As stated previously, the purpose of the response action is to prevent contact with subsurface waste material. The cover system provides this protection, when properly maintained.

Maintenance Schedule

Inspections of the cover system will be performed annually (inspections may also be performed after extreme weather events). Active maintenance will be performed as necessary based on the observations reported during inspections of the surface cover.

Contingency Plan

In the unlikely event it is determined that the cover system has failed, specific actions are necessary. This section provides direction regarding this potential in two sections: Contingency Plan – Response, and Contingency Plan – Procedures.

Contingency Plan – Response

A potential incident that will require a contingency plan response is the exposure of waste materials if the cover system were to erode, be excavated, or similar.

The cover system over the SW Pit has a minimum thickness of 30 inches. If unauthorized excavation activities extend through the cover system, waste/fill materials will likely be encountered. The potential routes of exposure include direct contact and inhalation of soil particulates and vapors. Restoration procedures will include replacing and compacting surface soil, to restore the cover system. Restoration activities will be performed in accordance with the Waste Management Plan and Construction Health and Safety Plan that are incorporated into the restrictive covenant. Additionally, dust suppression activities will be implemented, if necessary, to mitigate dust generation. Site workers will be trained and equipped with Personal Protective Equipment to prevent direct contact with the waste/fill. The area will be closed to the public until restoration activities are completed.

Contingency Plan – Procedures

Should there be physical or analytical evidence that the cover system has failed, a determination will be made of the potential threat to public health and the environment. Actions needed to address the cover system failure will be taken. In any instance of cover system failure, waste exposure, fire, or explosion, the MDEQ will be notified. The time, date, and details of any incident that requires emergency response implementation will be noted in the site log book.

Identification of Hazardous Materials and Assessment of Possible Hazards

The materials that could potentially be exposed are impacted soil and waste. The possible hazards associated with these materials are minimal, but include direct contact with soil and inhalation of contaminated soil particulates. Based on the analytical results of the material sampled at the SW Pit, hazardous waste and vapors are not expected to be encountered.

Assessment and Control Procedures

In the unlikely event of a failure of the cover system, appropriate procedures and repairs would be implemented promptly to mitigate potential issues and to provide a protective cover over waste material.

Reporting Requirements

Records Retainage

O&M records shall be maintained for a minimum of 5 years after completion of any O&M activities.

O&M Records

O&M activities for the cover system shall be recorded in the appropriate logbook or project database. Notations will be made when the cover system is inspected, maintenance conducted, and when corrective measures are implemented. As indicated, inspection forms are included in Appendix A. Corrective action measures and re-inspection forms shall be completed upon completion of the corrective measures.

Reporting

Annual O&M reports will be prepared that will include at a minimum a discussion of the surface cover monitoring activities performed during the reporting period, corrective actions taken, maintenance performed that is other than preventative maintenance, key personnel changes, and coordination activities. Any proposed modifications to the configuration or operation of the surface cover will be included.

ARCADIS

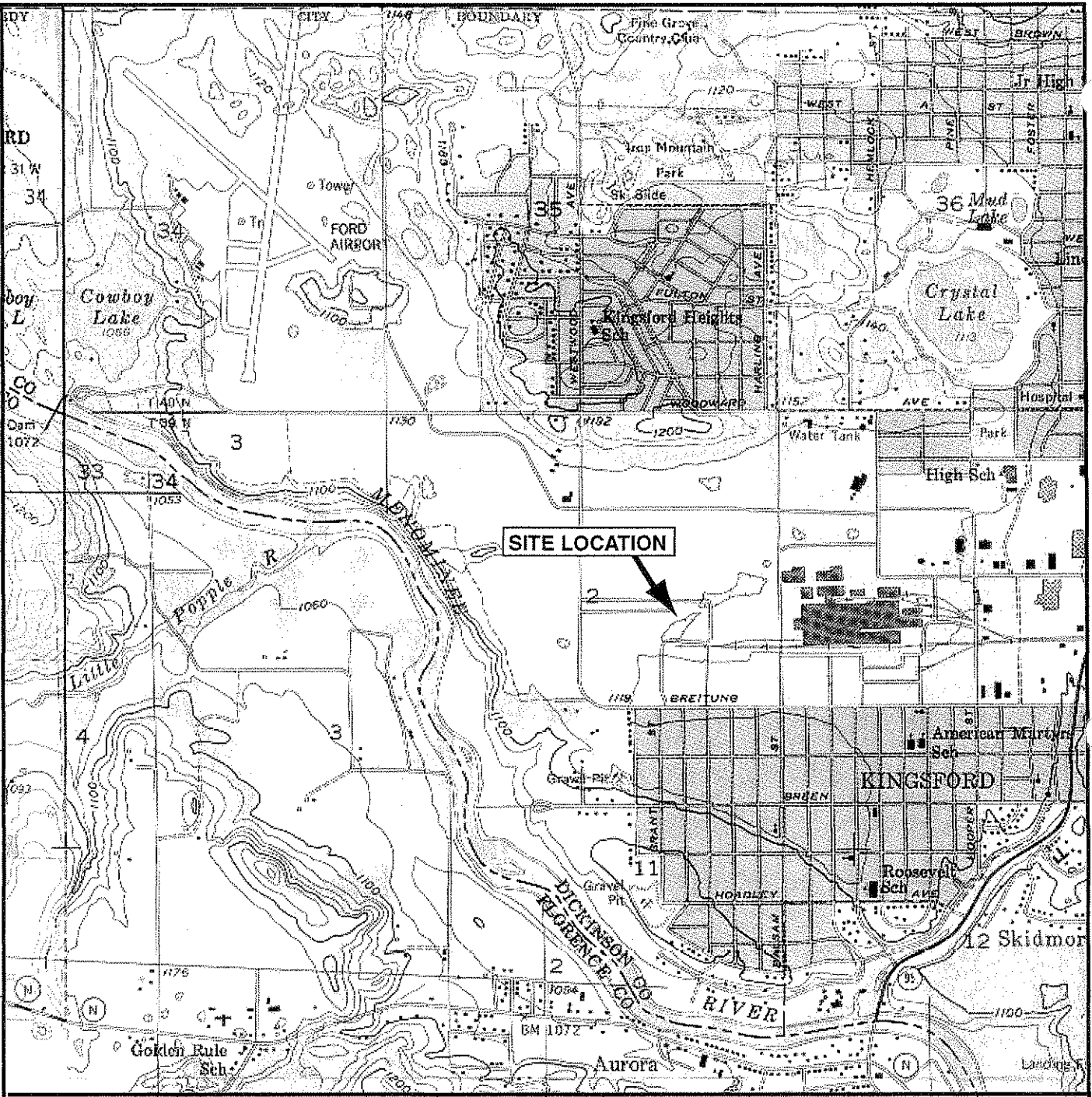
Table 1. Cover System Inspection Activities, Former Southwest Pit, Ford-Kingsford Products Facility, Kingsford, Michigan.

Item	Operational Action or Type of Problems	Frequency of Inspection	Circumstance or Trigger Level (if applicable)	Corrective Action
Cover Vegetated/ Grade	Drying grass	Annually	Visual evidence	Apply fertilizer on grass and develop watering plan to allow for growth
	Overgrowth of vegetation	Annually	Visual evidence	Mow grass or remove unwanted vegetation
	Erosion damage	Annually	Greater than 2 tons/acre/year erosion	Repair and revegetate
	Slumping or cracking in vegetative layer	Annually	Visual evidence of discontinuity of surface by way of depressions or cracks	Evaluate and prepare corrective action plan
	Rodents and burrowing animals	Annually	Evidence of rodents or burrowing animals	Remove animals by acceptable means
	Baseball diamond surface inspection	Annually	Visual evidence of excessive wear or break in surface construction	Evaluate and prepare corrective action plan
	Football field surface inspection	Annually	Visual evidence of excessive wear or break in surface construction	Evaluate and prepare corrective action plan
Cover Perimeter Outlet/ Stormwater Drainage System	Erosion, obstructions to flow, deterioration, excessive siltation, inadequate protective vegetation	Annually	Any obstructions to flow; silt buildup in excess of 50% of design freeboard; greater than 20% of area devoid of vegetation	Remove obstruction and/or silt. Revegetate as required

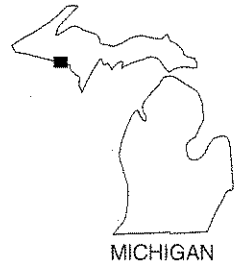
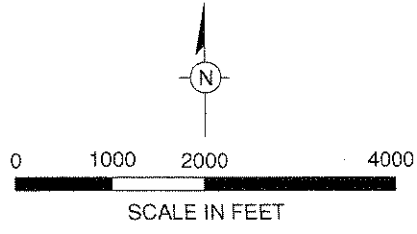
Page 15 of 21
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 APPROVED:
 CHECKED: WLM
 FILE NO.: GRAPHICS
 PN: FORD\W0637C\2012
 DWG DATE: 20JAN12



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982

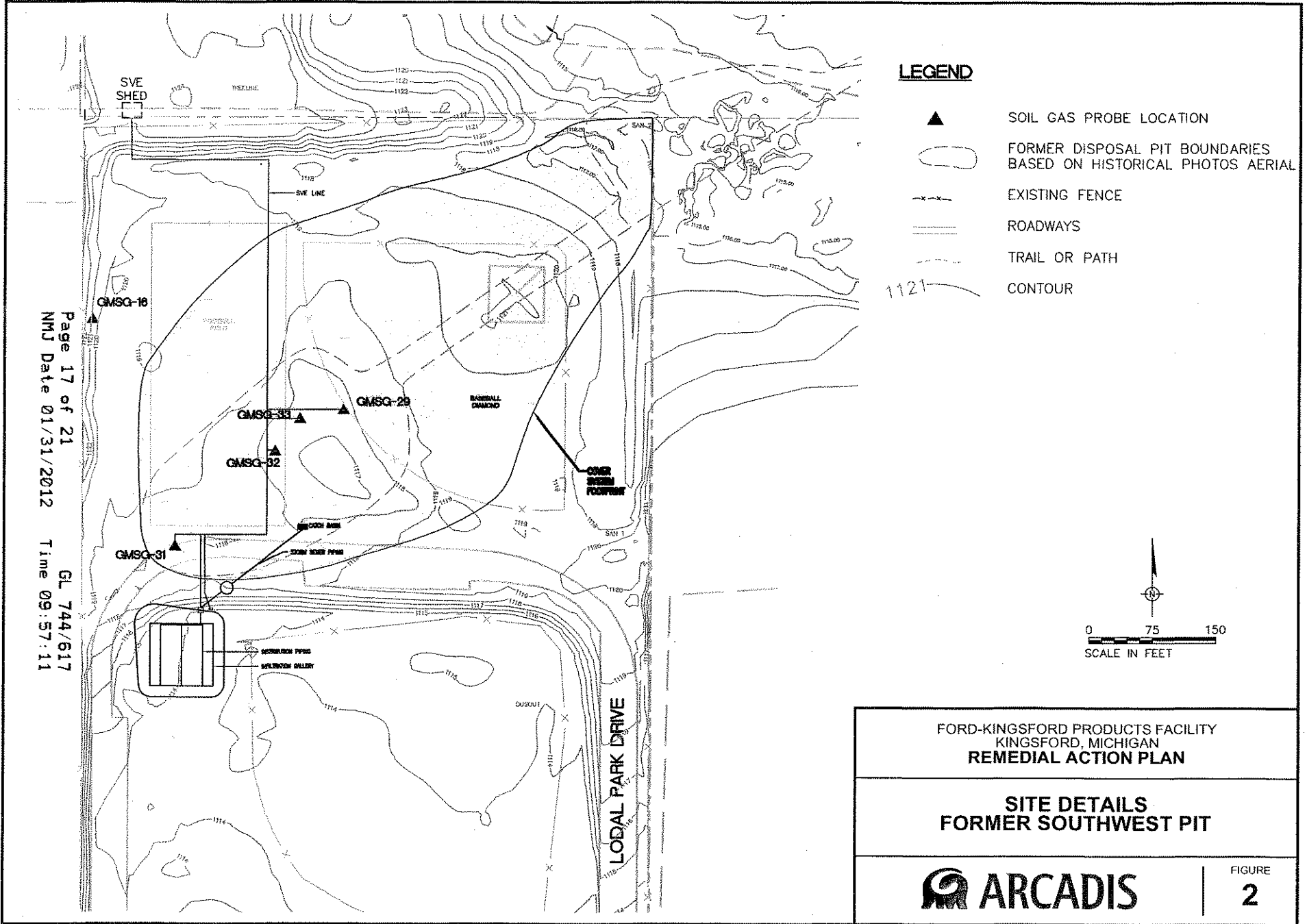


SITE LOCATION MAP

FORMER SOUTHWEST PIT
 FORD-KINGSFORD PRODUCTS FACILITY
 KINGSFORD, MICHIGAN

FIGURE

1





Appendix A

Example Inspection Form and
Corrective Action Form

**Example Inspection Form
Cover System
Former Southwest Pit
Ford-Kingsford Products Facility,
Kingsford, Michigan
(Page 1 of 2)**

Functional Group Assigned This Inspection Duty: _____

Inspector's Name: _____

Date of Inspection: _____

Time of Inspection: _____

Note: Perform this inspection annually and after extreme weather events to inspect erosion.

Inspection Checklist

1. Cover: Walk the entire cover and perimeter.

- Are there dried grass spots or dead native plants on the vegetated surface cover?

- Are there any signs of uneven surfaces (depressions or bumps)? _____
- Are there any signs of excessive erosion of cover vegetated area?

- Are there any deep-rooted or woody plants established on the cover or at the perimeter?

- Are there any signs of burrowing animals? _____
- _____ % of area devoid of vegetation.

2. Settlement or subsidence:

- Are there any physical signs of settlement or subsidence? _____

3. Stormwater Management Features

Walk the stormwater management features for the cover system.

- Is there evidence of erosion? _____
- Does silt accumulation prevent run-off? _____
- Are there signs of ponding? _____

**Example Inspection Form
Cover System
Former Southwest Pit
Ford-Kingsford Products Facility,
Kingsford, Michigan
(Page 2 of 2)**

4. Any cover deficiencies? _____

5. Inspect reference and permanent markers.
• Are the markers in need of repair? _____
6. Comments: _____

7. Cover system functioning as intended? Yes No
8. Corrective Action Required (Complete Corrective Action Form): _____

9. Inspector's Signature: _____

**Example Corrective Action Form
Former Southwest Pit
Ford-Kingsford Products Facility,
Kingsford, Michigan**

Report Number: _____

Date of Initial Inspection: _____

Name of Inspector: _____

Note: If Corrective Action cannot be completed within 30 days of the Initial Inspection Date, a Corrective Action Plan must be prepared and maintained in the operating record.

Corrective Action Work Order

Type of problem: _____

Required upgrade: _____

Corrective action assigned to: _____

Name

Date

Corrective Action Completion Report

Received on: _____ By: _____

Completed on: _____

Comments: _____

By: _____

Name

Date

Re-inspection Report

Observations: _____

Comments: _____

Inspector: _____

Signature

Date

DECLARATION OF RESTRICTIVE COVENANT

This Declaration of Restrictive Covenant has been recorded with the Dickinson County Register of Deeds for the purpose of protecting the public health, safety and welfare, and the environment by prohibiting or restricting activities that could result in unacceptable exposure to environmental contamination present at the property located in the City of Kingsford, County of Dickinson, State of Michigan. This property is often referred to as the **Former Southwest Pit Area and Lodal Park** (the "Property"). More specifically, the Property is located on Breitung Avenue in southwestern Dickinson County, in the south-central part of Michigan's Upper Peninsula. See Exhibit A for the legal description of the Cover System on the Property (described below). See Exhibit B for a legal description and a survey of the Property. Former Southwest Pit Area is associated with the Ford-Kingsford Products Facility (Court Case No. 04-1427-CE). Response activities have been implemented in the area to address environmental contamination and are fully described in the document entitled Former Southwest Pit Area Interim Response Action Plan, Ford/Kingsford Site, Kingsford, Michigan, dated July 18, 2003, which was submitted to the Michigan Department of Environmental Quality ("MDEQ") by ARCADIS U.S., Inc. on behalf of Ford Motor Company ("Ford"), a Delaware Corporation, and The Kingsford Products Company LLC ("KPC"), a Delaware limited liability company. The MDEQ approved the Interim Response Action Plan ("IRAP") in a letter dated October 16, 2003, pursuant to Part 201 of the Natural Resources and Environmental Protection Act ("NREPA"), 1994 PA 451, as amended, MCL 324.20101 *et seq.*

The IRAP required the recording of this Restrictive Covenant with the Dickinson County Register of Deeds to 1) restrict unacceptable exposures to hazardous substances located on the Property; and 2) assure that the use of the Property is consistent with the exposure assumptions utilized in the development of cleanup criteria referred to in Paragraph 1, below, pursuant to Section 20101 of the NREPA and the exposure control measures relied upon in the IRAP. The restrictions contained in this Restrictive Covenant are based upon information available to the MDEQ at the time the IRAP was approved by the MDEQ. Failure of the response activities to achieve and maintain the criteria, exposure controls, and requirements specified in the IRAP; future changes in the environmental condition of the Property or changes in the cleanup criteria developed under Sections 20120a(1) and 21304a of NREPA; the discovery of environmental conditions at the Property that were not previously accounted for in the IRAP; or use of the Property in a manner inconsistent with the restrictions described herein, may result in this Restrictive Covenant not being protective of public health, safety, and welfare, and the environment. Exhibit B provides a survey of the Property that is subject to the land use and resource use restrictions specified herein.

Summary of Response Activities

A portion of the Property has a Cover System constructed upon it. The purpose of the Cover System is to prevent direct contact exposures with underlying waste materials. See Figure 1, which illustrates the Property, including the Cover System. The Cover System may be enhanced and/or modified from time to time, and if so, a revised Figure 1 shall be submitted to the MDEQ by the Owner of the property. Upon approval from MDEQ of a revised Figure 1, the revised Figure 1 will be recorded with the Register of Deeds to reflect such enhancements and/or modifications. The submission of a revised Figure 1 shall not require an amendment to this Restrictive Covenant. The MDEQ recommends that prospective purchasers or users of the Property undertake appropriate due diligence prior to acquiring or using this Property, and undertake appropriate actions to comply with the requirements of Section 20107a of

the NREPA. Hazardous substances such as volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), alcohols, aldehydes, metals, pesticides, and polychlorinated biphenyls (PCBs) have been detected in the soil and waste material present on the Property. Prior to the recording of this Restrictive Covenant, response activities have been undertaken to prevent unacceptable exposures, including installation of a Cover System to prevent direct contact with the underlying waste materials, and a soil vapor extraction (SVE) system has been implemented to remove and control subsurface methane.

For a more in-depth description of the affected media, the nature of the hazardous substances and how the response activities on the Property address unacceptable risks for all relevant pathways, see the IRAP, copies of which can be obtained from the Owner, the MDEQ or reviewed at the repository located at the Dickinson County Public Library.

Definitions

"MDEQ" means the Michigan Department of Environmental Quality, its successor environmental protection entities, and those persons or entities acting on its behalf.

"Owner" means at any given time the then current title holder of the Property or any portion thereof.

All other terms used in this document which are defined in Part 3, Definitions, of the NREPA; Part 201 of the NREPA; or the Part 201 Administrative Rules ("Part 201 Rules"), 1990 AACRS R 299.5101 *et seq.* shall have the same meaning in this document as in Parts 3 and 201 of the NREPA and the Part 201 Rules, as of the date of filing of this Restrictive Covenant.

NOW THEREFORE,

Declaration of Land Use or Resource Use Restrictions

This Restrictive Covenant grants and conveys an interest in the Property to Ford and KPC to the extent necessary to enable Ford and/or KPC to enforce the declarations, covenants, prohibitions, restrictions, conditions and access rights set forth in this document, and Ford and/or KPC may enforce such declarations, covenants, prohibitions, restrictions, conditions and access rights.

Pursuant to the IRAP, the Owner hereby declares and covenants that the Property is subject to the following restrictions and conditions:

1. The Property shall be used only for recreation or for non-residential use. All other uses of the Property, including residential use, are strictly prohibited. Cleanup criteria and associated land-use descriptions are located in the Government Documents section of the State of Michigan Library.

2. For the entire Property, the Owner declares and covenants the following restrictions:

- All activities on the Property shall be conducted in a manner that does not damage, remove or otherwise tamper with the Cover System or with any monitoring wells, vapor probes or other response action equipment or materials located on the Property, unless otherwise permitted in writing by the MDEQ, Ford and KPC, and Owner.
- The use or removal of any groundwater located beneath the Property for any purpose is prohibited, except for activities associated with environmental response and/or approved in writing by the MDEQ, Ford and KPC, and Owner.

- Construction of any further structures that contain enclosed space into which entry by a person is reasonably possible shall be completed with a vapor control system to minimize the potential for migration of subsurface vapors into the structure.
- All activities on the Property shall be conducted in a manner that does not interfere with response actions described in the IRAP, or in any Response Activity Plan, Remedial Action Plan or Post-Closure Plan that is developed in the future to apply to the Property, or with operation and maintenance activities, monitoring activities, or other measures necessary to assure the effectiveness and integrity of the response actions.

3. The Property shall be maintained in accordance with the IRAP or RAP, as applicable, and in conformance with the Property's Operation & Maintenance Plan (attached as Exhibit D), unless otherwise approved by the MDEQ. The Owner and Ford and KPC shall maintain the Property according to their respective obligations set forth in the Lodal Park/Former Southwest Pit Area Operations and Maintenance Agreement (attached as Exhibit C). Exhibit D may be amended and/or modified from time to time by Ford and KPC, and if it is amended or modified, a revised Exhibit D will be recorded with the Register of Deeds to reflect such amendments or modifications. The submission of a revised Exhibit D shall not require approval or an amendment to this Restrictive Covenant, as long as the amendment/modification does not prohibit the Owner's use of the property for recreation or impose new types of costs on Owner.

4. Contaminated Soil Management for Digging or Excavation on the Property by Owner or a Person Authorized by Owner.

If Owner, or a person authorized by Owner, digs or excavates on the Property in the area of the Cover System, the Owner shall manage all contaminated media and/or debris, if any, located on the Property in accordance with the applicable requirements of Section 20120c of the NREPA; Part 111, Hazardous Waste Management, of the NREPA; Subtitle C of the Resource Conservation and Recovery Act, 42 U.S.C. §6901 et seq.; the administrative rules promulgated thereunder; and all other relevant state and federal laws. These materials shall also be managed in accordance with the Property's Waste Management Plan and Construction Health and Safety Plan Guideline, attached as Exhibits E and F. Notice of any type of excavation, digging, construction, repair or other work which will result in the removal of waste materials shall be made in accordance with paragraph 7.B herein.

5. Permanent Markers. Permanent markers shall be installed and maintained on the site that describe the restricted areas of the Property and the nature of the restrictions, at the locations shown in Exhibit G. The permanent markers may be enhanced and/or modified from time to time, and if so, a revised Exhibit G shall be submitted to the MDEQ. The location of the permanent markers shall not be changed without the consent of the Owner, and the submission of a revised Exhibit G shall not require an amendment to this Restrictive Covenant.

6. Access. The Owner grants Ford, KPC, and their contractors and subcontractors, including but not limited to, ARCADIS U.S., Inc., access to the Property to perform whatever environmental response actions may be requested or required by the MDEQ or determined to be appropriate by Ford and KPC. The environmental response actions which may be requested or required on the Property, include, but are not limited to the installation, maintenance and/or monitoring of vapor probes and groundwater monitoring wells. Notwithstanding anything to the contrary herein, it is not intended to prohibit or interfere with Owner's ability to utilize the Property for recreation, open to the general public. If any response actions will temporarily interfere with this recreational use, Ford/KPC will provide notice to the Owner prior to undertaking such actions.

The Owner shall allow the MDEQ, Ford, KPC and their authorized employees, agents, representatives, contractors, subcontractors and consultants to enter the Property at all reasonable times, after contacting the Owner, for the purpose of conducting any activity for which access is required for the implementation of response action with respect to the

presence of methane or other constituents at the Property or to otherwise fulfill any responsibility under federal or state law including, but not limited to, the following:

- (1) Monitoring response activities or any other activities taking place on the Property with respect to methane or other substances;
- (2) Verifying any data or information submitted to the MDEQ related to methane or other substances;
- (3) Assessing the need for, planning, or conducting investigations relating to methane or other substances;
- (4) Obtaining samples related to methane or other substances;
- (5) Assessing the need for, planning, or conducting, response activities at or near the Property,
- (6) Assessing compliance with requirements for the performance of monitoring, operation and maintenance, or other measures necessary to assure the effectiveness and integrity of a remedial action related to methane or other substances;
- (7) Communicating with Ford and KPC's representatives, or consultants for the purpose of assessing compliance with any court order or the Consent Judgment entered on October 26, 2004;
- (8) Determining whether the Property is being used in a manner that is or may need to be prohibited or restricted pursuant to any IRAP, IRDC, remedial action plan or Consent Judgment related to methane or other substances; and
- (9) Assuring the protection of public health, safety, welfare and the environment with respect to methane or other substances.

The Owner agrees that it will allow Ford and KPC to inspect and copy non-privileged records, operating logs, contracts, or other documents relating to methane or other substances on the Property. The Owner also agrees that it will execute any documents required for the remedy on the Property, including but not limited to, a concurrence for any response action, or consent to any restrictive covenant, or other document necessary for a response activity plan or interim response activity plan related to the Property, as long as such documents do not prevent Owner's ability to use the Property for recreation.

7. Notices.

A. Notice of Intent to Transfer Property.

The Owner shall provide notice to the MDEQ and Ford and KPC of the Owner's intent to transfer any interest in the Property at least fourteen (14) business days prior to consummating the conveyance. A conveyance of title, an easement, or other interest in the Property, shall not be consummated by the Owner without adequate and complete provision for compliance with the terms and conditions of this Restrictive Covenant and the applicable provisions of Section 20116 of the NREPA. The notice required to be made to the MDEQ under this Paragraph shall be made to: Chief, Remediation Division, Michigan DEQ, P.O. Box 30426, Lansing, Michigan 48909-7926; and shall include a statement that the notice is being made pursuant to the requirements of this Restrictive Covenant (MDEQ Reference Court Case No. 04-1427-CE), and a reference to the property description. A copy of this Restrictive Covenant shall be provided to all future owners, heirs, successors, lessees, easement holders, assigns, and transferees by the person transferring the interest.

For purposes of paragraph 7 only, an interest in the Property is intended to include a conveyance of title, an easement, a lease or some other document indicating transfer of ownership and/or control over part or the whole of the Property. An interest in the Property is not intended to include a license or other agreement allowing temporary, short-term use of the recreational facilities located on the Property.

B. Notice of Planned or Inadvertent Disturbance of the Property.

The Owner shall notify Ford, KPC and their designee at least fourteen (14) business days before any planned excavation, digging, construction, repair, or other type of work on the Property by Owner, or any person authorized by Owner, which might result in the exposure of persons to any hazardous substances or sub-surface soils beneath the Cover System. The Owner shall notify Ford, KPC, and their designee within twenty-four (24) hours of any unplanned emergency work on the Property and within 24 hours of the discovery of any other disturbance to the Property which might result in any exposure of persons to any hazardous substance or sub-surface soils beneath the cover system. Notification shall be provided via verbal discussion or electronic mail correspondence to the following:

If to Designee:

Ford-Kingsford Products Facility Project Coordinator
Att.: Richard L. Studebaker, Jr., P.E.
ARCADIS U.S., Inc.
126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
(414) 276-7742
(414) 276-7603 (fax)
ric.studebaker@arcadis-us.com

With a Copy to:

Dickinson Wright PLLC
500 Woodward Ave, Suite 4000
Detroit, MI 48226-3425
(313) 223-3500
(313) 223-3698 (fax)

If to Ford:

David Miller
Fairlane Plaza North
290 Town Center Drive
Dearborn, MI 48126
(313) 322-3761
(313) 248-5030 (fax)
dmiller2@ford.com

General Counsel
Ford Motor Company
World Headquarters
One American Road, Room 407-A2
Dearborn, MI 48126
(313) 845-8476
(313) 390-3308

With a Copy to:
Dickinson Wright PLLC
500 Woodward Ave, Suite 4000
Detroit, MI 48226-3425
(313) 223-3500
(313) 223-3698 (fax)

If to KPC:
J. David Langford
Associate Vice President Burns & McDonnell Engineering Company, Inc.
9400 Ward Parkway
Kansas City, MO 64141
(816) 822-3175
(816) 822-3494 (fax)
jlang@burnsmcd.com

General Counsel
The Kingsford Products Company
1221 Broadway, 24th Floor
Oakland, CA 94612
(510) 271-7000
(510) 271-1696 (fax)

With a Copy to:
Michael L. Robinson
Warner Norcross & Judd LLP
111 Lyon Street, NW, Suite 900
Grand Rapids, Michigan 49053
(616) 752-2128
(616) 222-2128 (fax)
mrobinson@wnj.com

C. Notice to Owner.

For as long as the City of Kingsford is the Owner, any notices, written concurrences or written approvals by Ford and/or KPC to the Owner required under this Restrictive Covenant shall be sent to the City Manager, the Superintendent of Public Works and the City Attorney.

8. Term and Enforcement of Restrictive Covenant.

The State of Michigan (through any or all of the MDEQ), Ford or KPC or their agents or assigns, may enforce the restrictions set forth in this Restrictive Covenant by legal action in the Dickinson County Circuit Court. Upon request of Owner, Ford/KPC shall enforce the restrictions set forth in this Restrictive Covenant on behalf of Owner and at no cost to Owner if Ford or KPC agree enforcement is necessary to meet Ford and KPC's obligations under the Consent Decree entered in Court Case No. 04-1427-CE.

This Restrictive Covenant shall run with the Property, and shall be binding upon the Owner, future owners, and all current and future operators of the Property, lessees, easement holders, and their successors, assigns, authorized agents, employees, or persons acting under their direction and control, of all or any portion of each of the parcels which comprise the Property. It shall be the obligation of each and every Owner of any portion of the Property to provide a copy of this Restrictive Covenant to all of its heirs, successors, lessees, assigns and transferees of an interest in the Property. This Restrictive Covenant is binding upon the Owner, future owners, and all current and future operators of the Property,

lessees, easement holders, and their successors, assigns, authorized agents, employees, or persons acting under their direction and control, regardless of whether a copy of this Restrictive Covenant has been attached or incorporated into any given deed, transfer document or lease.


This Restrictive Covenant may only be modified or rescinded with the written approval of the MDEQ, Owner, Ford and KPC, with the exception of Exhibits C and D. Exhibit D may be modified in accordance with Paragraph 3 above. Exhibit C may be modified per the terms of that Agreement.

9. Severability. If any provision of this Restrictive Covenant is held to be invalid by any court of competent jurisdiction, the invalidity of such provision shall not affect the validity of any other provisions hereof. All such other provisions shall continue unimpaired in full force and effect.

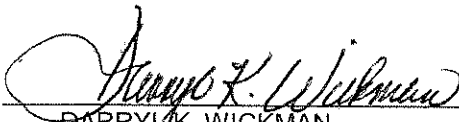
10. Authority to Execute Restrictive Covenant. The undersigned person executing this Restrictive Covenant has the express written permission of the Owner to sign on the Owner's behalf and represents and certifies that he or she is duly authorized and has been empowered to execute and deliver this Restrictive Covenant.

IN WITNESS WHEREOF, the said Owner of the above-described Property has caused this Restrictive Covenant (MDEQ Reference Court Case No. 04-1427-CE) to be executed on this 28 day of September, 2011.

CITY OF KINGSFORD. OWNER

By: 
PAUL NOVARA

Its: MAYOR

By: 
BARRY K. WICKMAN

Its: CLERK

ACKNOWLEDGMENT

STATE OF MICHIGAN)
) SS.
COUNTY OF DICKINSON)

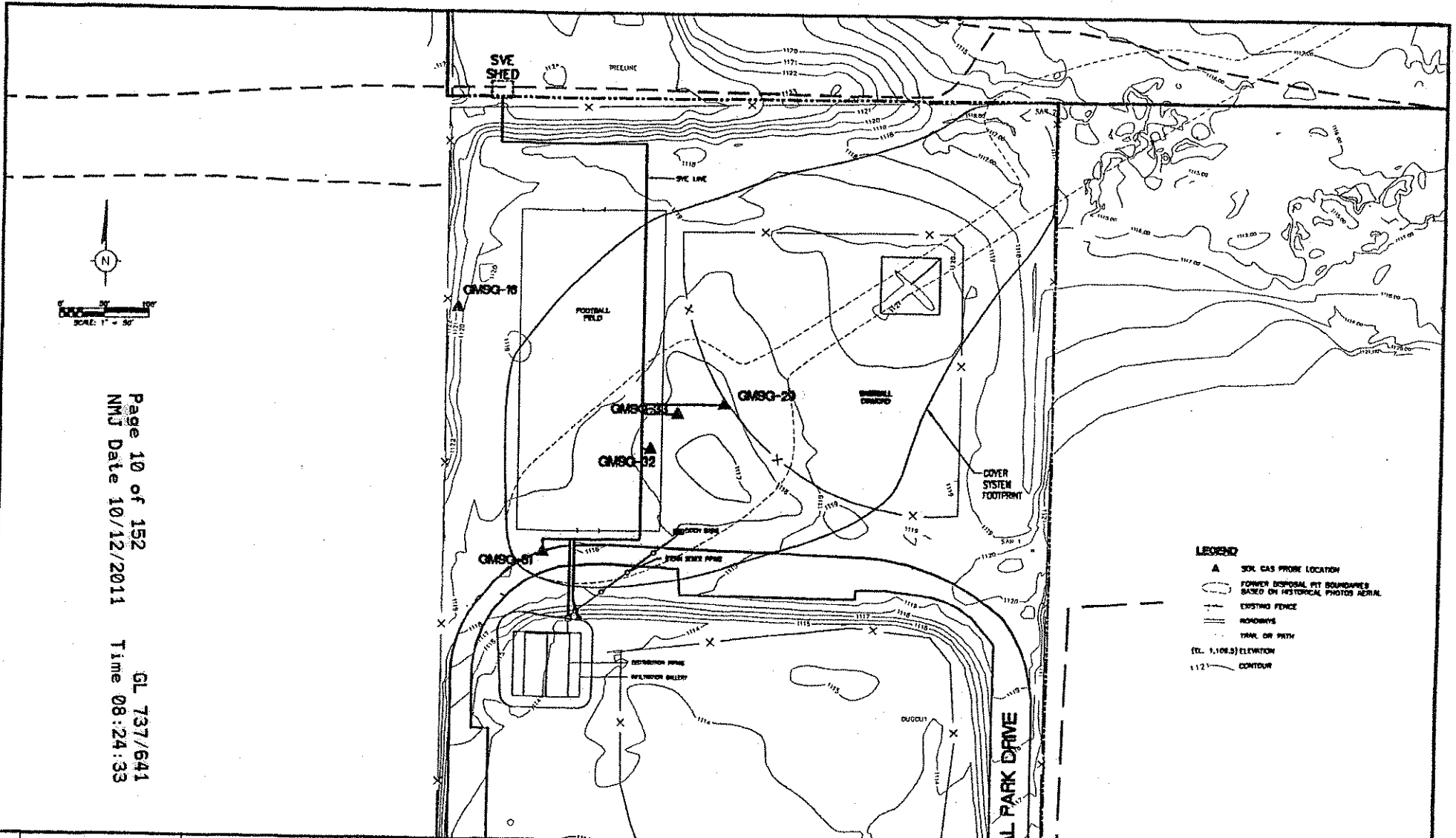
The foregoing instrument was acknowledged before me this 28th day of September, 2011, by, Paul Novara, City of Kingsford Mayor, and Darryl K. Wickman, City of Kingsford Clerk on its behalf.

Notary Public, Santina M. Johnson
Santina M. Johnson
County of Dickinson
State of Michigan
Acting in Dickinson County
My commission expires: 11-5-17

Prepared by and when recorded return to:
Dickinson Wright PLLC
500 Woodward Ave, Suite 4000
Detroit, MI 48226-3425
(313) 223-3500

FIGURE 1

DRAWING OF THE PROPERTY



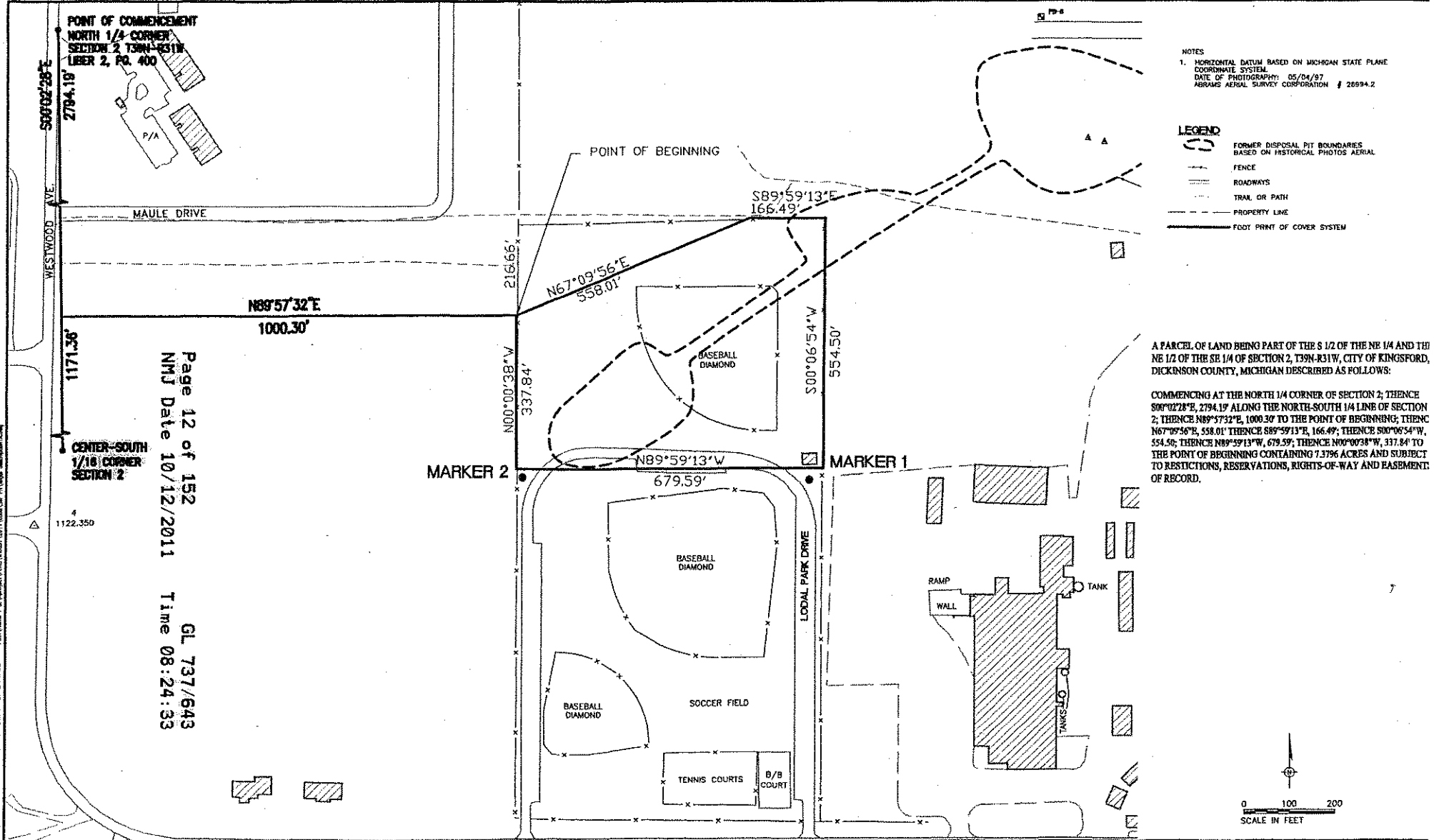
Page 10 of 152
 NMJ Date 10/12/2011
 GL 737/641
 Time 08:24:33

- LEGEND**
- ▲ SOIL GAS PROBE LOCATION
 - FORMER DISPOSAL PIT BOUNDARIES BASED ON HISTORICAL PHOTOS AERIAL
 - EXISTING FENCE
 - ROADWAY
 - TRAIL OR PATH
 - (E.L. 1,108.5) ELEVATION
 - 1121 CONTOUR

		FORMER SOUTHWEST PIT IRAP FORD/KINGSFORD SITE KINGSFORD, MICHIGAN		DRAWN CCL	DATE 4-28-04	PROJECT MANAGER JS	DEPARTMENT MANAGER JG
2003 REGISTERED PROFESSIONAL ENGINEER LICENSE NO. 21787-1277-0000-0000-0000-0000-0000-0000				MAP OF PROPERTY AND COVER SYSTEM FOOTPRINT		LEAD DESIGN PROF. JC	CREATED JG
				PROJECT NUMBER W001075.0005		DRAWING NUMBER 1	
NO.	DATE	REVISION DESCRIPTION	BY				

EXHIBIT A

LEGAL DESCRIPTION OF THE COVER SYSTEM

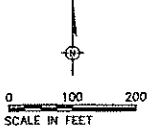


NOTES
1. HORIZONTAL DATUM BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM.
DATE OF PHOTOGRAPHY: 05/04/97
ABRAMS AERIAL SURVEY CORPORATION # 26994.2

- LEGEND**
- FORMER DISPOSAL PIT BOUNDARIES BASED ON HISTORICAL PHOTOS AERIAL
 - FENCE
 - ROADWAYS
 - TRAIL OR PATH
 - PROPERTY LINE
 - FOOT PRINT OF COVER SYSTEM

A PARCEL OF LAND BEING PART OF THE S 1/2 OF THE NE 1/4 AND THE NE 1/2 OF THE SE 1/4 OF SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 2; THENCE S00°02'28"E, 2794.19' ALONG THE NORTH-SOUTH 1/4 LINE OF SECTION 2; THENCE N89°57'32"E, 1000.30' TO THE POINT OF BEGINNING; THENCE N67°09'56"E, 558.01' THENCE S89°59'13"E, 166.49'; THENCE S00°06'54"W, 554.50'; THENCE N89°59'13"W, 679.59'; THENCE N00°00'38"W, 337.84' TO THE POINT OF BEGINNING CONTAINING 7.3796 ACRES AND SUBJECT TO RESTRICTIONS, RESERVATIONS, RIGHTS-OF-WAY AND EASEMENTS OF RECORD.



User Name: j... Arcadis | Date: 10/12/2011 | Time: 08:24:33 | Project: FORD/KINGSFORD SITE | Drawing: 1001 | Scale: 1"=100' | Author: j... | Checker: j... | Date Plotted: 10/12/2011 08:24:33 | Plot Path: \\server\projects\1001\FORD\1001.dwg | Plot Device: HP DesignJet 5000 | Plot Size: 36x48 | Plot Scale: 1"=100' | Copyright © 1998

Page 12 of 152
 NMD Date 10/12/2011
 GL 737/643
 Time 08:24:33

NO. DATE REVISION DESCRIPTION BY C/O	ARCADIS <small>3603 Michigan Boulevard, Suite 120 Tampa, Florida 33636 Tel: 813/981-1821 Fax: 813/981-2500</small>	FORMER SOUTHWEST PIT IRAP FORD/KINGSFORD SITE KINGSFORD, MICHIGAN	DRAWN CES DATE 4/20/04	PROJECT MANAGER MS LEAD DESIGN PROF. JB PROJECT NUMBER W001275	DEPARTMENT M JS FIGURE 1
			LEGAL DESCRIPTION RESTRICTIVE COVENANT		

EXHIBIT B

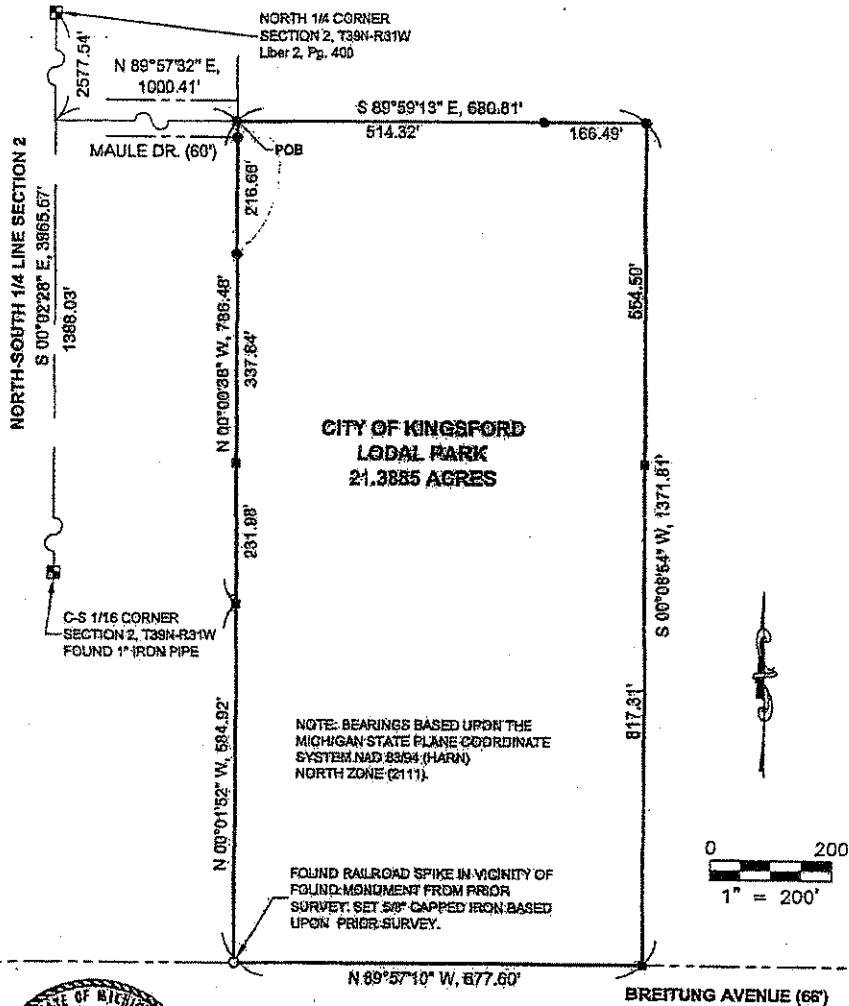
LEGAL DESCRIPTION AND SURVEY OF THE PROPERTY

CERTIFICATE OF SURVEY

PART OF THE S1/2 OF THE NE1/4 AND THE N1/2 OF THE SE1/4, SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN.

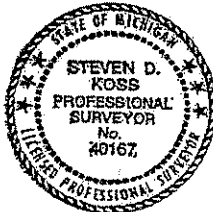
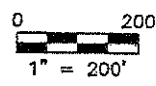
A parcel of land being part of the S1/2 of the NE1/4 and the N1/2 of the SE1/4 of Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:

Commencing at the North 1/4 corner of Section 2; thence S00°02'28"E, 2577.54' along the North-South 1/4 line of Section 2; thence N89°57'32"E, 1000.41' to the Point of Beginning; thence S89°59'13"E, 680.81'; thence S00°06'54"W, 1371.81' to the North right-of-way line of Breitung Avenue; thence N89°57'10"W, 677.60' along the North right-of-way line of Breitung Avenue; thence N00°01'52"W, 584.92'; thence N00°00'38"W, 786.48' to the Point of Beginning containing 21.3885 acres and subject to restrictions, reservations, rights-of-way and easements of record.



NOTE: BEARINGS BASED UPON THE MICHIGAN STATE PLANE COORDINATE SYSTEM NAD 83/84 (HARN) NORTH ZONE (2111).

FOUND RAILROAD SPIKE IN VICINITY OF FOUND MONUMENT FROM PRIOR SURVEY. SET 5/8\"/>



SURVEYOR'S CERTIFICATE

I hereby certify that I have surveyed and mapped the land above platted and/or described on July 5, 2006, and that the ratio of closure on the unadjusted field observations was less than 1 in 5,000 and that all the requirements of P.A. 132 of 1970 as amended have been complied with.

STS Consultants, Ltd.

By: *Steven D. Koss* DATE: 7-7-06
Steven D. Koss PS No. 40167

STS CONSULTANTS
1050 Wilson St.
Warren, MI
806-228-2333
www.stsconsultants.com
Copyright © 2006, by: STS Consultants, Ltd.

ORDERED BY:
ARCADIS
126 NORTH JEFFERSON ST.
SUITE 400
MILWAUKEE, WI 53222

LEGEND	
⊙	Found Iron
○	Set 6\"/>

Drawn:	SDK
Date:	7/7/2006
Scale:	1" = 200'
PROJECT NUMBER:	X210092
SHEET NUMBER:	1 OF 1

EXHIBIT C

OPERATION AND MAINTENANCE AGREEMENT FOR THE PROPERTY

**LODAL PARK/FORMER SOUTHWEST PIT AREA
OPERATION AND MAINTENANCE AGREEMENT**

THIS LODAL PARK/FORMER SOUTHWEST PIT AREA OPERATION AND MAINTENANCE AGREEMENT ("Agreement") is made and entered into this _____ day of _____, 201__, by and among the CITY OF KINGSFORD, MICHIGAN, a Michigan municipal corporation (the "City"), FORD MOTOR COMPANY, a Delaware corporation ("Ford"), and THE KINGSFORD PRODUCTS COMPANY, a Delaware corporation ("KPC").

WHEREAS, the City is entering a Declaration of Restrictive Covenant for the Lodal Park/Former Southwest Pit Area (the "Property," described in Exhibit A hereto), which is owned by the City, for the purpose of protecting the public health, safety and welfare, and the environment by prohibiting or restricting activities that could result in unacceptable exposure to environmental contamination present at the Property (the "Restrictive Covenant");

WHEREAS, the City has agreed to perform certain operation and maintenance activities upon the Property, as set forth below. These activities will be the sole obligations of the City involving operation and maintenance of the Property as related to the Consent Judgment entered in Case No. 04-1427-CE ("Consent Judgment"). Ford and KPC have acknowledged to the City that by performing these certain operation and maintenance activities, the City is not assuming any of Ford's or KPC's liability or responsibility under the Consent Judgment. In the event there exists a conflict as to the scope of "City activities" as set forth in this agreement and with the Owner's obligations in the Restrictive Covenant entered into for the Property, so long as the City is the Owner, the City shall be obligated to perform only those "City activities" set forth in this agreement;

WHEREAS, Ford and KPC have agreed to perform certain operation and maintenance activities described below for the Property; and

WHEREAS, the City is willing to enter into this Agreement to permit Ford and KPC, and their designees, to acquire certain rights with respect to the Property in accordance with the provisions set forth in this Agreement.

AGREEMENTS:

1. **City Activities.** The City agrees to perform only the following operation and maintenance activities upon or with respect to the Property:
 - Mow and maintain the vegetative cover in accordance with good park maintenance standards.
 - Conduct on-site inspections and record in a dedicated logbook activities, observations, and actions taken by the City to maintain the vegetative cover described in Exhibit A of the Restrictive Covenant.
 - Submit completed inspection forms to Ford/KPC annually.
 - Allow Ford/KPC or their designee to install and maintain permanent markers at the Property and allow Ford/KPC to enhance and/or modify the permanent markers.
 - Notify Ford/KPC of Cover System failure and of any planned work per Paragraphs 4 and 7(B) of the Declaration of Restrictive Covenant.

The activities listed in this Paragraph are hereinafter referred to as "City Activities."

2. Ford/KPC Activities. Ford and KPC agree to perform all other operation and maintenance activities required by the Consent Judgment, which are described in more detail in the Operation and Maintenance Plan for the Property, attached as Exhibit C to the Declaration of Restrictive Covenant and incorporated by reference herein, and are summarized below:
- Perform annual inspections of the Cover System.
 - Make any notifications to, and prepare any reports for, the Michigan Department Environmental Quality ("MDEQ") regarding the Property, which are required to be made or prepared by Ford/KPC by applicable law or agreements made by Ford and KPC.
 - Provide vapor control systems for structures on the Property with enclosed space into which entry by a person is reasonably possible until active response actions under the methane program under the Remedial Action Plan for the Study Area are complete.
 - Install and maintain permanent markers that describe the restricted areas of the Property and the nature of the restrictions, and if the permanent markers are enhanced and/or modified from time to time, prepare a revised Exhibit G and provide it to the City and to the MDEQ.
 - If waste materials attributable to Ford or KPC are encountered at the Property during the repair of existing utilities or during the installation of new utilities or structures at the Property, the following apply:
 - If such waste material is required to be removed from an excavation by the City in order to perform such repair or installation and is disposed off-site, Ford and KPC shall arrange for the disposal of such removed waste materials, shall be responsible for the cost of disposal thereof, and shall reimburse the City for any incremental cost the City incurs in handling any such waste materials.
 - If such waste materials are not removed from the excavation or are removed and placed back into the excavation, Ford and KPC shall reimburse the City for any incremental cost the City incurs in handling any such waste material.
 - Prepare operation and maintenance reports, as necessary.
 - Retain records for a minimum of 3 years.

The activities listed in this Paragraph are hereinafter referred to as "Ford/KPC Activities."

3. Access. The City hereby gives access to the Property to Ford and KPC and their agents, consultants and contractors, as well as the MDEQ, as specified in Paragraph 5 of the Declaration of Restrictive Covenant.

4. Costs. The City will bear all costs for the implementation of the City Activities, and Ford and KPC shall bear all costs for the implementation of Ford and KPC Activities.

5. Compliance With Laws. Ford and KPC and the City shall comply with all applicable laws, codes, and regulations in conducting the respective Ford/KPC activities and City activities and shall obtain all necessary permits and approvals to do so. The City agrees to facilitate and expedite any application process relative to any City permit, authorization or approval that is necessary for any of the activities to be carried out pursuant to this Agreement.

6. Restricted Activities. The City agrees to execute and record the Declaration of Restrictive Covenant, which prohibits activities on the Property that may interfere with any response action and activities implemented in the area as fully described and set forth in the Southwest Pit Interim Response Action Plan, operation and maintenance activities associated with the response action and

activities, monitoring activities, and other obligations consistent with the response action and activities and Part 201 of the Natural Resources and Conservation Act, P.A.1994, No.451, as amended.

7. Successors and Assigns; Agreement to Run with the Land. This Agreement shall be binding upon, and shall inure to the benefit of, the successors and assigns of each of the parties hereto. This Agreement may be recorded by Ford and KPC and the rights and obligations set forth herein shall run with the land.

8. No Waiver. Failure of any party to insist upon the strict performance of any term, covenant or condition of this Agreement, or to exercise any right or remedy herein contained, shall not be construed as a waiver or relinquishment of such term, covenant, condition, right or remedy for the future, or a waiver or relinquishment of any other term, covenant, condition, right or remedy set forth in this Agreement.

9. Modifications. The Operation and Maintenance Plan may be modified by Ford/KPC and such modifications may be subject to the approval of the MDEQ. No modification shall result in different, or an increase in, City Activities without the written consent of the City. All Operation and Maintenance Plan modifications are incorporated into this Agreement.

10. Construction. This Agreement shall be construed and interpreted as if drafted by each party. It is acknowledged that this Agreement is the product of negotiations between the parties and shall not be construed or interpreted against either party based on such party having drafted this Agreement or any portion thereof.

11. Headings. The headings of this Agreement are for convenience only and shall not affect the meaning or construction of this Agreement.

12. Partial Invalidity. Any determination by a court of competent jurisdiction that any provision of this Agreement is invalid for any reason shall not affect the validity of any other provision.

13. Agents and Employees. The rights and obligations granted to the City, Ford and KPC under this Agreement may be exercised or performed by them acting through their respective agents, employees, consultants, contractors and designees.

14. Authority to Bind Parties. Each of the signatories to this Agreement represents that he/she has the authority to bind the party on whose behalf he/she has signed this Agreement.

15. Execution by Counterparts. This Agreement may be executed in a number of identical and separate counterparts, each of which is deemed to be an original, but all of which shall constitute collectively one Agreement.

Lodal Park/Former Southwest Pit Area
Operation and Maintenance Agreement

THE KINGSFORD PRODUCTS COMPANY LLC

By: [Signature]
Name: Angela C. Hilt
Its: Vice President Corporate Secretary

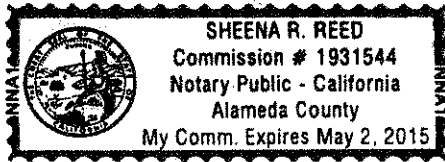
The Kingsford Products Company LLC:

State of California

County of Alameda

Subscribed and sworn to (or affirmed) before me on this 27th day of September, 2011, by Angela C. Hilt, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

(seal)



Signature [Signature]

EXHIBIT A

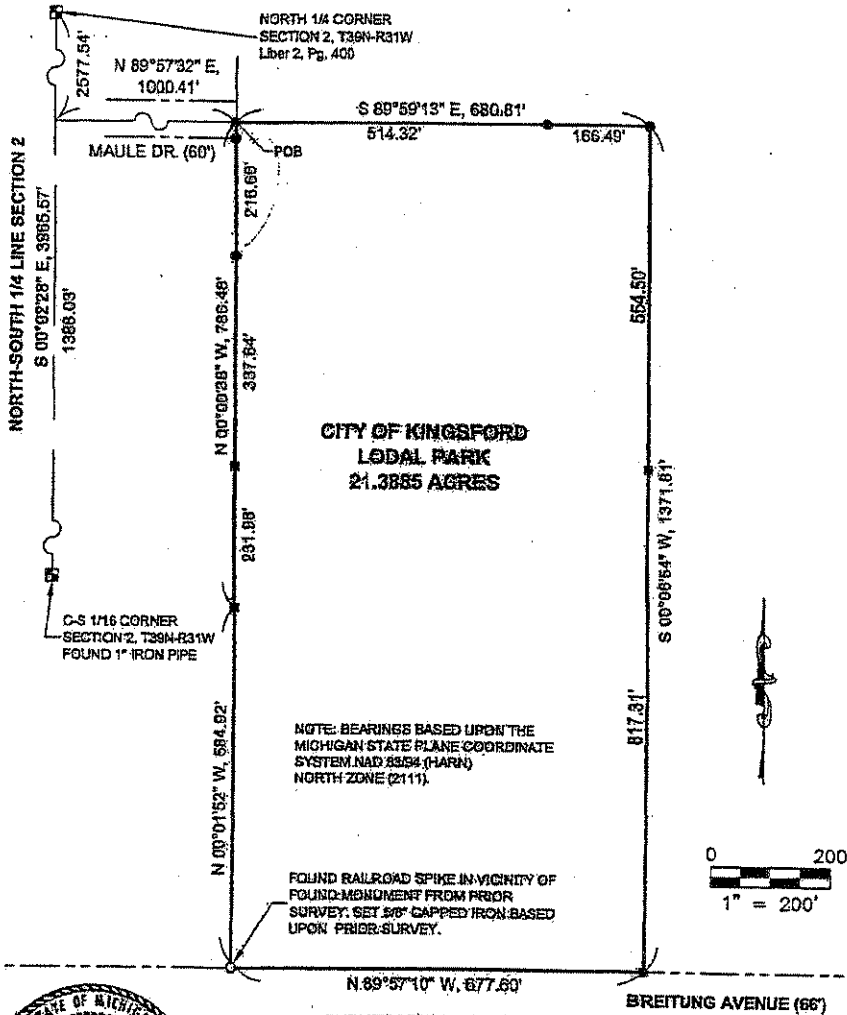
LEGAL DESCRIPTION OF THE PROPERTY

CERTIFICATE OF SURVEY

PART OF THE S1/2 OF THE NE1/4 AND THE N1/2 OF THE SE1/4, SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN.

A parcel of land being part of the S1/2 of the NE1/4 and the N1/2 of the SE1/4 of Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:

Commencing at the North 1/4 corner of Section 2; thence S00°02'28"E, 2577.54' along the North-South 1/4 line of Section 2; thence N89°57'32"E, 1000.41' to the Point of Beginning; thence S89°59'13"E, 680.81'; thence S00°06'54"W, 1371.81' to the North right-of-way line of Breitung Avenue; thence N89°57'10"W, 677.60' along the North right-of-way line of Breitung Avenue; thence N00°01'52"W, 584.92'; thence N00°00'38"W, 786.48' to the Point of Beginning containing 21.3885 acres and subject to restrictions, reservations, rights-of-way and easements of record.



SURVEYOR'S CERTIFICATE

I hereby certify that I have surveyed and mapped the land above plotted and/or described on JUN 5, 2006 and that the ratio of closure on the unadjusted field observations was Less than 1 to 5,000 and that all the requirements of P.A. 132 of 1970 as amended have been complied with.

STS Consultants, Ltd.

BY: Steven D. Koss DATE: 7-7-06
 Steven D. Koss PS No. 40167



STS CONSULTANTS
 1050 Wilson St.
 Marquette, MI
 806-228-2333
 www.stsconsultants.com
 Copyright ©2006, by: STS Consultants, Ltd.

ORDERED BY:
 ARCADIS
 126 NORTH JEFFERSON ST.
 SUITE 400
 MILWAUKEE, WI 53202

LEGEND
 ● - Found Iron
 ○ - Set 6" Iron W.P.S. Cap #40167
 * - Found Concrete Monument
 □ - Set Concrete Monument
 R - RECORDED
 M - MEASURED

Drawn: SDK
 Date: 7/7/2006
 Scale: 1" = 200'
 PROJECT NUMBER: X210092
 SHEET NUMBER: 1 OF 1

S:\0293\10092\arcadis\134-june_08\Lead_Park_Certificate\LD.dwg\Notes_06-06-06.dwg: 7/7/2006 8:54:32 AM: KOSS, STEVE

EXHIBIT D

OPERATION AND MAINTENANCE PLAN FOR THE PROPERTY

Appendix D

Operation and Maintenance Plan

Former Southwest Pit IRAP

Prepared for:
Ford Motor Company
The Kingsford Products Company

Table of Contents

1.	Introduction	1
2.	Objectives	2
3.	Site Background	3
3.1	Site Description	3
3.2	Site History	3
3.3	Interim Response Action Summary	3
4.	Performance and Compliance Monitoring Plan	4
4.1	Maintenance of the Existing Surface Cover	4
4.1.1	Inspection	4
4.1.2	Erosion Prevention	4
4.1.3	Cover Effectiveness	5
4.1.4	Maintenance Schedule	5
4.2	O&M of the Soil Vapor Extraction System	6
4.2.1	O&M	6
4.2.2	Maintenance and Monitoring Schedule	7
5.	Contingency Plan	8
5.1	Contingency Plan – Response	8
5.2	Contingency Plan – Procedures	8
5.3	Identification of Hazardous Materials and Assessment of Possible Hazards	9
5.4	Assessment and Control Procedures	9
6.	Reporting Requirements	10
6.1	Records Retainage	10
6.2	O&M Records	10
6.3	Reporting	10

Table

- D4-1. Facility Inspection Activities, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Figures

- D3-1. Site Location Map, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- D3-2. Sample Locations, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- D4-1. Soil Vapor Extraction System Layout, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Attachments

- A Example Inspection Forms and Corrective Action Form.
- B Example Operation and Maintenance Field Form.

1. Introduction

This Operation and Maintenance (O&M) Plan has been prepared for the Former Southwest Pit Area (SW Pit) located at the Ford/Kingsford Site in Kingsford, Michigan. The O&M Plan describes the strategy for maintaining the integrity of the permeable cover and operation of the soil vapor extraction (SVE) system implemented in accordance with the Interim Response Action Plan (IRAP) for the SW Pit. This O&M Plan is an appendix to the SW Pit IRAP.

The primary focus of the SW Pit IRAP is to prevent direct contact with waste materials, except under controlled conditions, and allow future use of the present area overlying the SW Pit. The SW Pit IRAP includes the use of a permeable cover system, operation of a soil vapor extraction system, and creation of a restrictive covenant/institutional controls. Additional details are provided in the SW Pit IRAP.

2. Objectives

The objectives of this O&M Plan are to:

- Describe procedures for maintenance and monitoring of the permeable cover system at the SW Pit.
- Describe procedures for maintenance and monitoring of the SVE system at the SW Pit.
- Identify contingency plans regarding failure of the permeable cover and SVE system.

This plan is prepared to describe maintenance procedures for the permeable cover and SVE system, to maximize the effectiveness of the SW Pit IRAP. Implementation of the O&M Plan will assist in achieving the following objectives:

- Promote drainage and minimize erosion or abrasion of the cover system.
- Verify that the methane recovery system is functioning, as designed, to prevent off-site migration of methane gas from the SW Pit area.

Elements of this O&M Plan address the following:

- Site Background.
- Performance and Compliance Monitoring Program.
- Contingency Plan.
- Reporting Requirements.

3. Site Background

3.1 Site Description

The City of Kingsford is located in southwestern Dickinson County, in the western part of Michigan's Upper Peninsula. The City is bounded by the Menominee River on the west and south, by the City of Iron Mountain on the north, and Highway M-95 (Carpenter Avenue) to the east. The SW Pit (center point) is located approximately 1,100 feet north of Breitung Avenue and approximately 1,500 feet west of Balsam Street in the central portion of the city as shown on Figure D3-1. A plan view of the SW Pit Area is shown on Figure D3-2.

3.2 Site History

Aerial photographs and historic records indicate that disposal at the SW Pit occurred since the 1920s. Wood pieces, wood sawdust, wood bark chips, and charcoal were reportedly disposed of in the SW Pit, along with industrial waste and wastewater containing dissolved organics from pyrolysis processes. Aerial photographs show continued disturbances to the surface of the area and disposal from unidentified sources to at least 1981.

3.3 Interim Response Action Summary

The primary focus of the SW Pit IRAP is to prevent direct contact with waste materials, except under controlled conditions, and allow future use of the present area overlying the SW Pit. The SW Pit IRAP includes the use of a permeable cover system, operation of a soil vapor extraction system, and creation of institutional controls. Additional details are provided in the SW Pit IRAP.

4. Performance and Compliance Monitoring Plan

Routine care of the cover and SVE systems is required as part of the SW Pit IRAP. Maintenance of the permeable cover and O&M of the SVE system according to this O&M Plan will ensure satisfactory performance of the interim response action for the SW Pit.

4.1 Maintenance of the Existing Surface Cover

On-site care for the cover will include visual inspection of the area to identify disruptions of the surface cover, maintenance of the cover (dependent on the results of inspection), maintaining vegetation of the surface cover and adjacent areas, maintenance of improved surfaces (such as the baseball field and football field) that are part of the SW Pit, and erosion control.

4.1.1 Inspection

On-site inspection activities will be conducted to perform and document the activities identified in this O&M Plan. A site logbook will be maintained containing site visits, corrective action forms submitted, and any corrective actions taken. The appearance of the surface cover and SVE system will be recorded on a standard inspection form. For each inspection, forms will be used to record findings, unusual conditions, and corrective actions taken. An example of the inspection form and the Corrective Action Form is included in Attachment A. The example inspection form may change in format throughout the O&M period, however the general content will remain the same. Conditions requiring corrective action will be rectified and the repair will be documented on a Corrective Action Form. Table D4-1 summarizes the specific O&M activities and frequencies.

4.1.2 Erosion Prevention

Much of the SW Pit area has existing vegetation. The football field and baseball diamond have finished surfaces and grass, and the areas northeast of the baseball diamond and south of the recreation area are vegetated with grass and native plants. Vegetation will be re-established on those areas that are disturbed during implementation of the SW Pit IRAP. Erosion control will entail the confirmed maintenance of these surfaces, as required, to prevent breakdown or erosion.

Periodically, the permeable cover may be inspected following a period of heavy rain to observe the pattern of stormwater flow. Inspections may also be conducted after extreme weather events (e.g., tornadoes, 10-year/24-hour precipitation events).

Inspections of the permeable cover and its drainage features will include, but not be limited to the following: obstructions to stormwater flow, erosion, excessive siltation or debris, and inadequate vegetation. Should any vegetated area show significant washout or gullying (greater than 4 inches), the eroded area will be filled when the weather conditions permit or within 30 days, whichever occurs first. If results of the permeable cover inspection indicate that drainage patterns have changed resulting in ponding or excessive run-off, the affected area will be appropriately repaired to re-establish correct flow direction. Any sediment accumulation in the drainage system will be removed. If greater than 20 percent of the planned vegetated surface is devoid of vegetation, the area will be re-vegetated as weather conditions permit. If recreational surfaces show visible signs of breakdown, they will be repaired consistent with their design.

Steps will be taken to verify that drainage pathways are maintained throughout the O&M period. Vegetation shall be mowed at least annually at the cover perimeter during the growing season. Appropriate fertilizer application suitable for the finished surface, will be applied annually to maintain healthy vegetation and the intended surface barrier. Baiting for rodents and treating for burrowing animals will also be administered, if the need is observed during inspection.

4.1.3 Cover Effectiveness

As stated previously, the purpose of the response action is to prevent contact with subsurface waste material and to prevent off site migration of methane gas. The cover and SVE system provide this protection, when properly maintained and operated.

4.1.4 Maintenance Schedule

Inspections of the permeable cover will be performed annually (inspections may also be performed after extreme weather events). Active maintenance will be performed as necessary based on the observations reported during inspections of the surface cover.

4.2 O&M of the Soil Vapor Extraction System

Monitoring of the SVE system will include recording pertinent system operating data, such as wellhead vacuum readings at the vapor extraction points and at surrounding monitoring points, system airflow rate, and combined effluent methane concentration. These topics are discussed in further detail in the subsequent section. A layout of the SVE system extraction wells, piping, and equipment shed is presented on Figure D4-1.

4.2.1 O&M

O&M of the SVE system will include visual inspection of the SVE extraction wells and equipment shed, maintenance and troubleshooting of the treatment equipment, and obtaining and recording pertinent system data. The SVE system inspection and operating data will be recorded in the site logbook. This data will be used to track the SVE system efficiency and methane concentrations. Operational data will be recorded on a standard O&M form as provided in Attachment B, and include the following information:

1. Collect a system influent and effluent air sample for screening with a flame-ionization detector and a Lantech GA-90 Gas Analyzer (made by Landfill Control Technologies Corporation), or equivalents. Record the percentage of methane, carbon dioxide, and oxygen in the vapor stream.
2. Record pressure readings and percentage of methane, carbon dioxide, and oxygen at the four vapor extraction points (GMSG-29, GMSG-31, GMSG-32, GMSG-33) and at surrounding vapor-monitoring points (GMSG-14, GMSG-15, GMSG-16, GMSG-30).
3. Record the combined system effluent air flow rate.
4. Drain the moisture separator during each site visit and record the number of gallons obtained from the totalizing flowmeter at the moisture separator drain line.
5. Perform preventative maintenance on equipment, as needed.

The O&M Plan may be amended if any changes in the design, implementation of the selected interim response action, or other events occur during the O&M period that affects the monitoring requirements. Changes to the O&M Plan will require approval from the Michigan Department of Environmental Quality (MDEQ).

**Appendix D
Former Southwest Pit
IRAP Operation and
Maintenance Plan**

Ford/Kingsford Site,
Kingsford, Michigan

4.2.2 Maintenance and Monitoring Schedule

Monitoring of the SVE system will be performed monthly during periods of operation. Maintenance of the SVE system will occur annually or as needed to maintain system operation.

Page 34 of 152
NMJ Date 10/12/2011

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5. Contingency Plan

In the event it is determined that the surface cover or SVE system has failed, specific actions are necessary. This section provides direction regarding this potential in two sections, Contingency Plan -Response, and Contingency Plan - Procedures.

5.1 Contingency Plan – Response

Potential incidents that will require a contingency plan response include (1) release of waste and (2) the SVE system not controlling off site migration of methane gas in the unsaturated soil.

It has been demonstrated that the existing SVE system prevents methane gas in the subsurface in the vicinity of the SW Pit from migrating off site. Therefore it minimizes the possibility of the presence of methane gas that could accumulate in a confined structure located off site. The contingency plan would be to expand or modify the existing SVE system if it is determined that the SVE system was no longer preventing off site migration of methane gas from the SW Pit.

The permeable cover system over the SW Pit will have a minimum thickness of 30-inches. If unauthorized excavation activities extend through the cover system, waste/fill materials will likely be encountered. The potential routes of exposure include direct contact and inhalation of soil particulates and vapors. Restoration procedures will include replacing and compacting surface soil, to retain the cover system. Restoration activities will be performed in accordance with the Waste Management Plan and Construction Health and Safety Plan that will be incorporated into the restrictive covenant. Additionally, dust suppression activities will be implemented, if necessary, to mitigate dust generation. Site workers will be trained and equipped with Personal Protective Equipment to prevent direct contact with the waste/fill. The area will be closed to the public until restoration activities are completed.

5.2 Contingency Plan – Procedures

Should there be physical or analytical evidence that the cover system has failed, activities will be undertaken to restore the integrity of the existing cover system including placement of additional clean fill to provide a protective barrier on top of the subsurface waste materials.

5.3 Identification of Hazardous Materials and Assessment of Possible Hazards

The materials that could potentially be released are impacted soil and waste, and vapors. The possible hazards associated with these materials are minimal, but include direct contact and inhalation of contaminated soil particulates. Based on the analytical results of the material sampled at the SW Pit, hazardous waste and vapors are not expected to be encountered.

5.4 Assessment and Control Procedures

In the unusual event of a release as a result of failure of the cover system, appropriate containment procedures and repairs would be implemented immediately to mitigate the release and provide a protective cover over waste material.

**Appendix D
Former Southwest Pit
IRAP Operation and
Maintenance Plan**

Ford/Kingsford Site,
Kingsford, Michigan

6. Reporting Requirements

6.1 Records Retainage

O&M records shall be maintained for a minimum of 3 years.

6.2 O&M Records

O&M activities for the cover system will be recorded in the appropriate logbook or computer database. Notations will be made when the cover system or SVE system is inspected, engineering measurements are taken, maintenance conducted, and when corrective measures are implemented. As indicated, inspection forms are included in Attachment A and B of this report. Corrective action forms will be completed upon completion of the corrective measures.

6.3 Reporting

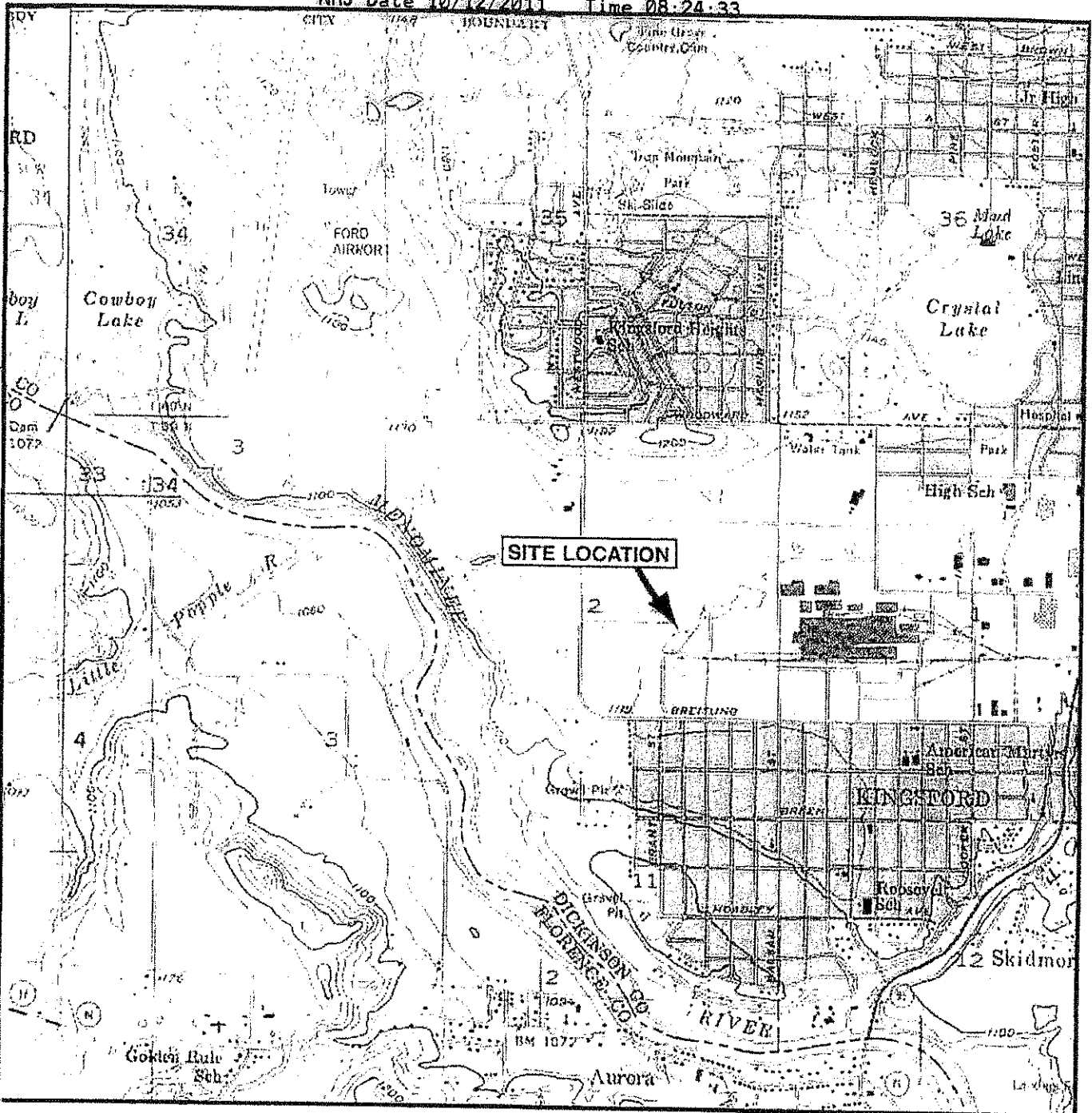
Records of inspection activities will be made available for review by the MDEQ at any time.

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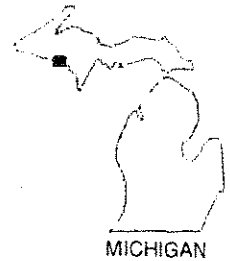
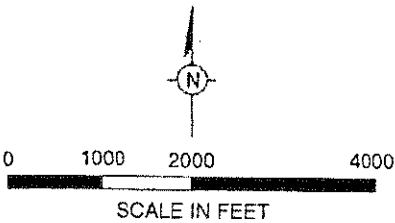
Table D4-1. Facility Inspection Activities, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Item	Operational Action or		Frequency of Inspection	Circumstance or Trigger		Corrective Action
	Type of Problems	Level (if applicable)		Level (if applicable)	Level (if applicable)	
Cover Vegetated/ Grade	Drying grass	Visual evidence	Annually	Visual evidence	Apply fertilizer on grass and develop watering plan to allow for growth.	
	Overgrowth of vegetation.	Visual evidence	Annually	Visual evidence	Mow grass or remove unwanted vegetation.	
	Erosion damage	Greater than 2 tons/acre/year erosion.	Annually	Greater than 2 tons/acre/year erosion.	Repair and revegetate.	
	Slumping or cracking in vegetative layer.	Visual evidence of discontinuity of surface by way of depressions or cracks.	Annually	Visual evidence of discontinuity of surface by way of depressions or cracks.	Evaluate and prepare corrective action plan and submit to MDEQ.	
	Rodents and burrowing animals.	Evidence of rodents or burrowing animals.	Annually	Evidence of rodents or burrowing animals.	Remove animals by acceptable means.	
	Baseball Diamond surface inspection.	Visual evidence of excessive wear or break in surface construction.	Annually	Visual evidence of excessive wear or break in surface construction.	Evaluate and prepare corrective action plan and submit to MDEQ.	
	Football Field surface inspection.	Visual evidence of excessive wear or break in surface construction.	Annually	Visual evidence of excessive wear or break in surface construction.	Evaluate and prepare corrective action plan and submit to MDEQ.	
Cover Perimeter Outlet/ Stormwater Drainage System	Erosion, obstructions to flow, deterioration, excessive siltation, inadequate protective vegetation.	Any obstructions to flow; silt buildup in excess of 50% of design freeboard; greater than 20% of area devoid of vegetation.	Annually	Any obstructions to flow; silt buildup in excess of 50% of design freeboard; greater than 20% of area devoid of vegetation.	Remove obstruction and/or silt. Revegetate as required.	
Soil Vapor Extraction System	Normal O&M.	Scheduled O&M	Annually	Scheduled O&M	Normal O&M or troubleshoot the system. Evaluate and prepare corrective action plan and submit to MDEQ.	

DRAFTER: ELSILMB
 APPROVED:
 CHECKED: WLM
 FILE NO.: GRAPHICS
 PN: FORDWI06372003
 DWG DATE: 12FEB03



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982

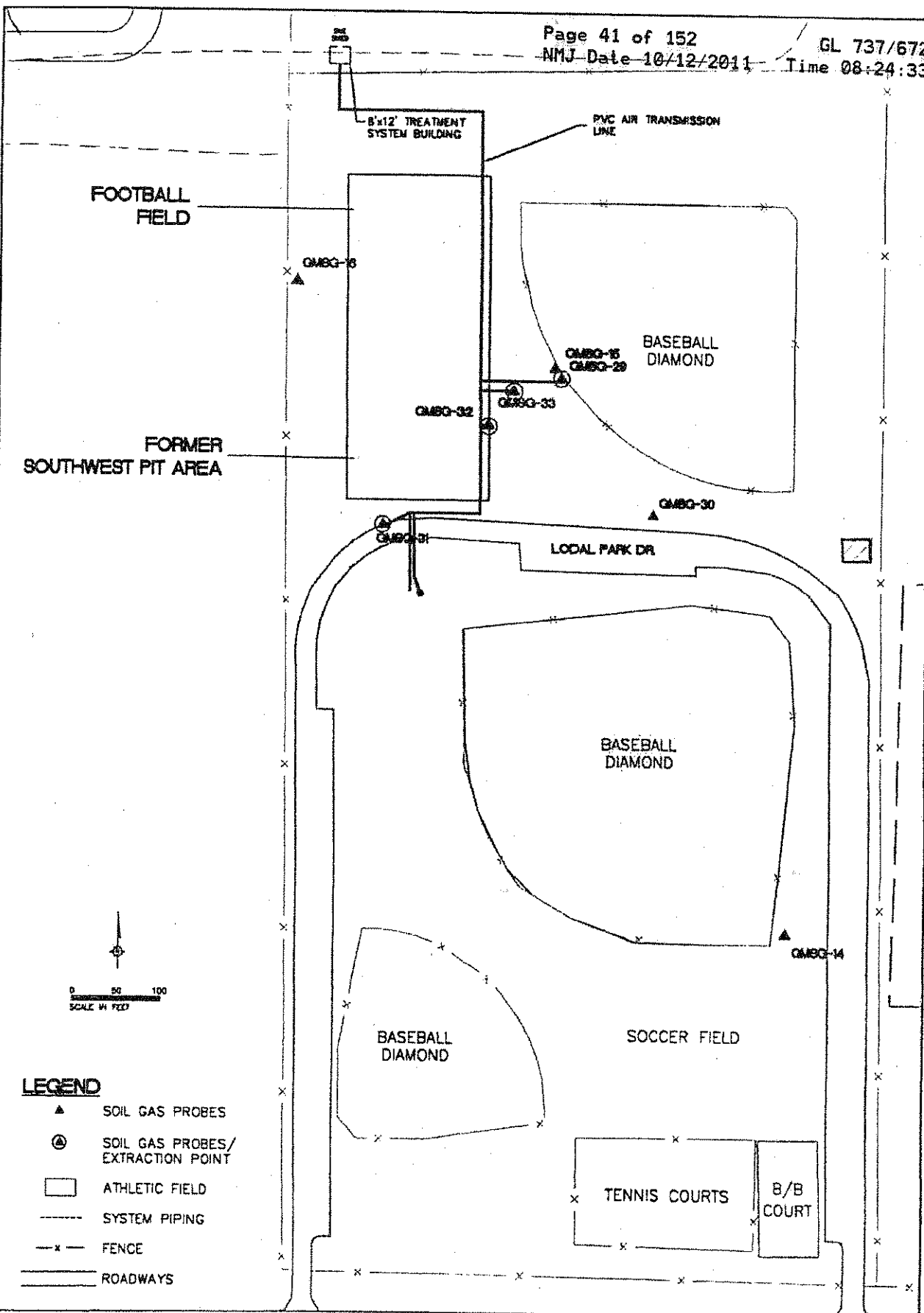


SITE LOCATION MAP

FORMER SOUTHWEST PIT IRAP
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE

D3-1



LEGEND

- ▲ SOIL GAS PROBES
- ⊙ SOIL GAS PROBES/
EXTRACTION POINT
- ATHLETIC FIELD
- SYSTEM PIPING
- x- FENCE
- == ROADWAYS

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DATE 12/21/2004	PROJECT MANAGER SE	PROJECT OFFICER IC
DRAWN DOP	LEAD DESIGN PROFESSIONAL SE	CHECKED SE
CADD FILE NAME 04-1	PROJECT NUMBER W00804.0001	

SOIL VAPOR EXTRACTION SYSTEM PIPING

FORMER SOUTHWEST PIT IRAP
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE NUMBER
D4-1

Attachment A

Example Inspection Form and
Corrective Action Form

Date of Inspection: _____

**Example Inspection Form
Surface Cover
Former Southwest Pit IRAP
Ford/Kingsford Site, Kingsford, Michigan.
(Page 1 of 2)**

Functional Group Assigned This Inspection Duty: _____

Inspector's Name: _____

Date of Inspection: _____

Time of Inspection: _____

Note: Perform this inspection annually and after extreme weather events to inspect erosion.

Inspection Checklist

1. Cover: Walk the entire cover and perimeter.

- Are there dried grass spots or dead native plants on the vegetated surface cover? _____
- Are there any signs of uneven surfaces (depressions or bumps)? _____
- Are there any signs of excessive erosion of cover vegetated area? _____
- Are there any deep-rooted or woody plants established on the cover or at the perimeter? _____
- Are there any signs of burrowing animals? _____
- _____ % of area devoid of vegetation.

2. Settlement or subsidence:

- Are there any physical signs of settlement or subsidence? _____

3. Cover Stormwater Management Features

Walk the cover stormwater management features.

- Is there evidence of erosion? _____
- Does silt accumulation prevent run-off? _____
- Are there signs of ponding? _____

4. Any cover deficiencies? _____

5. Inspect reference markers and permanent markers.

- Are the markers in need of repair? _____

Date of Inspection: _____

**Surface Cover
Former Southwest Pit IRAP
Ford/Kingsford Site, Kingsford, Michigan.
(Page 2 of 2)**

6. Comments: _____

7. Cover system functioning as intended? Yes No

8. Corrective Action Required (Complete Corrective Action Form): _____

9. Inspector's Signature: _____

Send completed form to Ford/Kingsford for required records maintenance.

Example Corrective Action Form
Former Southwest Pit IRAP
Ford/Kingsford Site, Kingsford, Michigan

Report Number: _____
Date of Initial Inspection: _____
Name of Inspector: _____

Note: If Corrective Action cannot be completed within 60 days of the Initial Inspection Date, a Corrective Action Plan must be prepared and maintained in the operating record.

Corrective Action Work Order

Type of problem: _____
Required upgrade: _____
Corrective action assigned to: _____
Name Date

Corrective Action Completion Report

Received on: _____ By: _____
Completed on: _____
Comments: _____
By: _____
Name Date

Reinspection Report

Observations: _____
Comments: _____
Inspector: _____
Signature Date

Send completed form to Ford/Kingsford for required records maintenance.

Attachment B

Example Operation and Maintenance
Field Form

**Example Operation and Maintenance Field Form
Soil Vapor Extraction (SVE) System
Former Southwest Pit IRAP
Ford/Kingsford Site, Kingsford, Michigan**

SVE System Operating Data

Record the following SVE system data.

Was the system operating upon arrival?

System effluent air flow rate

Pressure at Blower (vent side)

Vacuum at Blower (suction side)

Was the system operating upon departure?

	cfm
	in. H ₂ O
	in. H ₂ O

Sample Point	Pressure (in. H ₂ O)	Flow (cfm)	CH ₄ * (%)	CO ₂ * (%)	O ₂ * (%)
System Influent (vacuum)					
System Effluent (pressure)					

Vacuum Influence Data

Record the following soil probe data.

Sample Point	Vacuum (in. H ₂ O)	Flow (cfm)	CH ₄ * (%)	CO ₂ * (%)	O ₂ * (%)
GMSG-14					
GMSG-15					
GMSG-16					
GMSG-29					
GMSG-30					
GMSG-31					
GMSG-32					
GMSG-33					

Record the number of gallons collected at the moisture separator (totalizing flowmeter).

_____ gallons

* Readings to be taken with a Lantech GA-90 Gas Analyzer, or equivalent.

Page 47 of 152
NJ Date 10/12/2011
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EXHIBIT E

WASTE MANAGEMENT PLAN FOR THE PROPERTY

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Page 49 of 152
NMJ Date 10/12/2011

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Time 08:24:33

Appendix E

Former Southwest Pit IRAP Waste Management Plant

Prepared for:
Ford Motor Company
The Kingsford Products Company

1. Introduction	1
2. Objectives	2
3. Background	3
3.1 Site Description	3
3.2 Site History	3
3.3 Interim Response Action Summary	3
4. Characterization of Wastes and Materials	4
4.1 Waste Management	4
4.1.1 SW Pit Waste Material	4
4.1.2 Excavated Soil	4
4.1.3 Water From Dewatering Operations	5
4.1.4 Stormwater-Related Waste Material	5
4.1.5 Decontamination Water and Solids	5
4.1.6 Personal Protective Equipment and Other Construction Related Material	6
4.1.7 Final Demobilization Material	6
5. IRAP Implementation	7
5.1 Excavation, Backfilling, and Grading	7
5.1.1 Clearing and Grubbing	7
5.1.2 Excavation and Backfilling	7
5.2 Solid Waste	8
5.2.1 Waste Material	8
5.3 Stormwater Management	8
5.4 Construction Stormwater, Sediment, and Erosion Control Practices	8
5.4.1 Silt Fences	9
5.4.2 Diversion Ditches	10
5.4.3 Check Dams	10

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Table of Contents

5.4.4	Temporary Construction Entrances	10
5.5	Equipment Decontamination	11
6.	Future Work	12
7.	Employee Training	13
8.	Emergency Response	14
8.1	Spill Prevention and Response	14
9.	Implementation	15
10.	WMP Approvals	16

Table

- E6-1 Emergency Phone Numbers and Directions to Dickinson County Memorial Hospital, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Figures

- E2-1 Site Location Map, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- E2-2 Site Plan View, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- E6-1 Route to Hospital, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

1. Introduction

This Waste Management Plan (WMP) has been prepared for use in conjunction with implementation of the Interim Response Action Plan (IRAP) for the Former Southwest Pit Area (SW Pit) at the Ford/Kingsford Site in Kingsford, Michigan. Waste generated at the SW Pit during any work conducted at this facility by any contractor or utility work team will be handled in accordance with this plan. This document is organized to provide background information for the site and the approach for management of wastes that may be encountered during construction activities. This WMP has been developed in compliance with Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act (NREPA), 1994 PA 451, as amended (Part 201). If conditions or scope of work covered by the plan change, a site-specific addendum will be generated prior to the beginning of the work. The work will be performed in accordance with applicable federal, state, and local regulations.

2. Objectives

The objective of this WMP is to provide guidance for the future management of waste generated from intrusive construction activities that disturb waste or impacted soil at the SW Pit (subsurface utility work, drilling, excavation, or construction). The depth at which there is the potential for soil and waste to be disturbed is greater than 30-inches. This WMP describes the methods and protocol that will be implemented for removal and disposal of waste, as set forth in Part 115, Solid Waste Management, and Part 91, Soil Erosion and Sedimentation Control, of the NREPA. The WMP is to be used in conjunction with the SW Pit Construction Health and Safety Plan (CHASP) and the SW Pit Operation and Maintenance Plan.

Elements of this WMP address the following:

- Excavation, Filling, and Grading.
- Disposal of Generated Waste.
- Stormwater, Sediment, and Erosion Control Practices.
- Safety, Health, and Emergency Response.
- Waste Management Team.

The WMP defines the manner that any waste generated from construction activities at the SW Pit will be managed. Specifically, this WMP addresses:

- Potential types of waste generated.
- Stormwater management approach.
- Spill prevention and response.

3. Background

3.1 Site Description

The City of Kingsford is located in southwestern Dickinson County, in the western part of Michigan's Upper Peninsula. The City is bounded by the Menominee River on the west and south, by the City of Iron Mountain on the north, and Highway M-95 (Carpenter Avenue) to the east. The SW Pit (center point) is located approximately 1,100 feet north of Breitung Avenue and approximately 1,500 feet west of Balsam Street in the central portion of the city as shown on Figure E3-1. A plan view of the SW Pit Area is shown on Figure E3-2.

3.2 Site History

Aerial photographs and historic records indicate that disposal at the SW Pit occurred since the 1920's. Wood pieces, wood sawdust, wood bark chips, and charcoal were reportedly disposed of in the SW Pit, along with industrial waste and wastewater containing dissolved organics from pyrolysis processes. Aerial photographs show continued disturbances to the surface of the area and disposal from unidentified sources to at least 1981.

3.3 Interim Response Action Summary

The primary focus of the SW Pit IRAP is to prevent direct contact with waste materials, except under controlled conditions, and allow future use of the present area overlying the SW Pit. The SW Pit IRAP includes the use of a permeable cover system, operation of a soil vapor extraction system, and creation of a restrictive covenant/institutional controls. Additional details are provided in the SW Pit IRAP.

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Appendix E
Former Southwest Pit
IRAP Waste
Management Plan

Ford/Kingsford Site,
Kingsford, Michigan

4. Characterization of Wastes and Materials

The materials that may be generated during both the IRAP and future construction activities include excavated waste material and soil, water from dewatering operations, decontamination water and solids, stormwater and solids, and construction debris. Each of these wastes will be handled in accordance with this WMP. The management of excavation areas and minimization of contact between stormwater and waste is the responsibility of the contractor.

This section describes materials that may be encountered at the SW Pit during the course of IRAP implementation and any future construction activities. Waste management approaches are given for each type of material. Based on previous investigations at the SW Pit and the results of the laboratory analysis of the samples collected, any materials that may be generated from the SW Pit activities are expected to be non-hazardous.

4.1 Waste Management

Waste, excavated soil, and other expected and potential waste materials are described below.

4.1.1 SW Pit Waste Material

The waste material remaining within the SW Pit is a combination of various types of material. Waste materials encountered ranged from 4 to 25 feet in thickness and are underlain by native silt and sand. The depth to the base of the fill and waste material ranges from 0.2 to 15 feet below land surface. The waste material is characterized as predominantly wood, wood products, sawdust, charred wood fragments, fibrous wood pieces, and charcoal fragments.

4.1.2 Excavated Soil

Potentially impacted soil will be placed and stored in a manner that will prevent possible off-site migration of constituents. Soil is to be placed on a relatively impermeable surface. If no paved surfaces are available, the soil will be placed on plastic sheeting. The contractor should not allow direct precipitation or surface run-off or run-on from or onto the stockpiled soil, by covering the soil and providing acceptable diversions.

4.1.3 Water From Dewatering Operations

If dewatering is necessary for construction activities to proceed, the water will be collected and sampled to determine its final disposition and will be managed similarly to contact stormwater.

4.1.4 Stormwater-Related Waste Material

Stormwater-related waste will be minimized, to the extent practical, by preventing the stormwater from contacting the waste material. Any accumulated stormwater contacting waste, termed contact stormwater, will be contained and pumped from the excavation and placed in holding (fractionation) tanks. Contact stormwater that is collected will be treated in the existing biological treatment system or will be discharged directly to the Kingsford/Iron Mountain Publicly Owned Treatment Works (POTW). Direct discharge to the POTW would require approval by the Iron Mountain/Kingsford Sewage Board.

4.1.5 Decontamination Water and Solids

Decontamination of small equipment will be necessary if contact with the waste material occurs, and will take place in the contaminant reduction zone (CRZ). Large equipment decontamination will take place at a temporarily constructed decontamination pad located in the CRZ. The decontamination pad will be located as close as possible to excavation activities. This pad will be lined with a heavy (40-60 mil) plastic liner, and will be constructed so that rinsate generated during decontamination will drain to a lined sump. Collected water will be managed similar to contact stormwater.

In addition to decontamination liquids, a relatively small volume of decontamination solids will accumulate in decontamination pad sumps. The decontamination solids will be disposed at an appropriate off-site facility. Dedicated excavation and on-site transportation equipment will be used to excavate the waste to minimize the generation of decontamination rinse water, and to minimize the potential cross-contamination of soil and other environmental media. Construction equipment, monitoring equipment, non-disposable Personal Protective Equipment (PPE), and other construction materials will be decontaminated when exiting the exclusion zone. The volume of decontamination water generated is dependent upon decisions made by the contractor

relative to crew size and work tasks. End of project equipment decontamination water must also be managed prior to final demobilization.

4.1.6 Personal Protective Equipment and Other Construction Related Material

Some disposable PPE and other construction related material will be generated during the project. The amounts and types of the material will be dependent on contractor decisions. This material will be drummed and disposed offsite at an appropriate facility.

4.1.7 Final Demobilization Material

There are several waste streams that will be generated only during the demobilization phase. Final demobilization wastes include, but are not limited to: haul road soil, potential stockpile base areas, and decontamination pad material. These materials will be sampled, if required, and if appropriate, will be disposed at an appropriate facility.

5. IRAP Implementation

The permeable cover system response action for the SW Pit will consist of upgrading the existing soil cover system overlying the SW Pit by the addition of common fill and topsoil to create a soil cover that is a minimum of 30-inches thick. All waste encountered during the IRAP implementation or future work will be handled in accordance with this waste management plan. Storm water management/erosion controls will be established as necessary during construction activities. Appropriate controls will be implemented in accordance with the requirements of Section 5.3 and 5.4 discussed below.

5.1 Excavation, Backfilling, and Grading

5.1.1 Clearing and Grubbing

Clearing and grubbing will be performed on an incremental basis and only in areas of active construction. Proper sediment controls will be implemented in all disturbed areas, as necessary, and disturbed areas will be restored as soon as possible after construction is complete. Surface vegetation encountered during clearing and grubbing activities that occur will be managed as clean material, as they have not contacted with the waste material.

5.1.2 Excavation and Backfilling

Prior to excavation activities, the appropriate stormwater controls will be chosen and utilized as described in Sections 3.3 and 3.4 of this document. Proper sediment controls will be implemented in disturbed areas, and disturbed areas will be backfilled and restored as soon as practicable following completion of the excavation activities. Temporary barriers will be constructed as necessary around the perimeter of the excavation. The barriers will be maintained during excavation and in the interim period between the completion of an excavation and backfilling to prevent surface run-off from entering the excavation. Excavated waste materials from under the cover will be managed as described in Section 5.2, Solid Waste.

5.2 Solid Waste

The following sections describe the methods that will be used to manage wastes generated during IRAP implementation and future activities that penetrate the cover system. The CHASP describes establishment of work zones, decontamination area, and recommended work practices if construction activities involve contact with the waste material. Proper personnel, equipment, material control, and management are essential to minimize cross-contamination and protect human health and the environment.

Past source delineation activities at the SW Pit have identified the waste material as predominately wood, wood products, sawdust, charred wood fragments, fibrous wood pieces, and charcoal fragments. Grass clippings and shrub/tree trimmings are also abundant above the waste material.

5.2.1 Waste Material

Handling of solid wastes with constituent concentrations above the Direct Contact Criteria may be required during implementation of the IRAP, or if future excavation takes place to depths greater than 30-inches below land surface. If waste material is removed, it will be contained and transported to an appropriate off-site disposal facility. Future work encountering waste may require actions such as a temporary soil cover or drum containment (of small quantities) while the planning of permanent corrective actions and/or restoration of the cover takes place.

5.3 Stormwater Management

Engineering controls will be established to prevent water run-off and run-on during excavation and construction activities. Containment systems will be deployed as necessary to prevent soils and sediments associated with excavation from reaching stormwater drainage points at the site.

5.4 Construction Stormwater, Sediment, and Erosion Control Practices

Part 91 of the NREPA may require a Soil and Sedimentation Control Permit prior to construction depending on the amount of disturbed soil. Permit requirements and application are the responsibility of the contractor. Functional sediment and erosion controls must be constructed before commencing land disturbance activities. In

individual construction areas, controls shall be constructed as soon as practicable after first disturbance of soil. Suggested erosion and sediment control practices include (but are not limited to):

- Sediment traps.
- Silt fences.
- Diversion ditches.
- Check dams.
- Temporary construction entrances.

These controls are designed to prevent erosion of soil during construction activities and to protect stormwater quality after construction is complete. Controls are also in place to trap eroded material before it enters the storm drainage system, and trap sediment before it leaves the site. All controls will be maintained in good condition and inspected periodically. The need for each of the controls will be determined based on the site conditions. Each control is discussed in greater detail in the following subsections.

5.4.1 Silt Fences

Silt fences are used for sediment and erosion control during construction wherever run-off is expected in the form of sheet flow. Specifically, silt fences will be installed around soil stockpiles, along the downslope perimeter of utility trenches, and along the downslope perimeters of construction areas. Silt fences decrease flow velocity and trap sediments where sheet flow conditions exist or where flow is through tiny rills that can be converted to sheet flow. Silt fences will not be used where flow is channelized. The silt fence shall be erected on relatively level ground a minimum distance of five feet from the toe of a slope. The bottom of the silt fences should be buried in the ground a minimum of 6-inches to prevent run-off from passing beneath the fence. Individual panels will be overlapped, and the ends of the silt fences will bend upslope to prevent water from flowing around the fence.

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5.4.2 Diversion Ditches

Diversion ditches are used to carry sediment-laden run-off into a control structure or to carry clean run-off away from disturbed areas. The ditches provide permanent run-off control at the site. They are to be constructed on grade and act to intercept and transport channelized flows. Rip-rap check dams constructed along the lengths of the ditches on a regular spacing decrease flow velocity and facilitate settling-out of sediments by dissipating energy. Ditches that are to remain in place for longer than 30 days will be seeded and mulched, weather permitting. Sediment traps collect stormwater run-off from the diversion ditches for removal of soil particles prior to on-site discharge.

5.4.3 Check Dams

Check dams are constructed in diversion ditches to decrease flow velocity and facilitate settling-out of sediments by dissipating energy. The check dams provide run-off control during construction by causing sediment to settle out within the diversion ditches and by minimizing the amount of erosion by water flowing through the ditches. This minimizes the quantity of sediment being delivered to the sediment ponds. Temporary rock check dams may also be constructed in outlet channels to trap sediment that may enter the storm drainage system. A typical check dam is approximately 2 feet high and 2 feet wide at the top. The upslope rip-rap face of the check dams will be covered with 6 inches of washed stone.

5.4.4 Temporary Construction Entrances

Temporary construction entrances will consist of gravel pads constructed of coarse aggregate (2- to 3-inch stone). The pads will be constructed in areas found to have relatively dry, firm soil to minimize the amount of soil or mud that adheres to the truck tires and undercarriages. In this way, the construction entrances will provide temporary soil stabilization during construction. If temporary construction entrances are needed, geotextile fabric shall be placed over the subgrade beneath the pads in wet areas. Truck and heavy equipment traffic will be routed over the pads, minimizing the tracking of soils around and off the site. Trucks will be decontaminated by steam cleaning prior to exiting the site if in contact with waste material. The CHASP describes establishment of work zones and a decontamination area, if waste is encountered.

5.5 Equipment Decontamination

Heavy equipment used in contaminated areas will be decontaminated prior to moving to a clean location and before leaving the site. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris.
- After removal of gross debris, the equipment will be steam cleaned using a high-pressure washer (i.e., Hotsy Corporation Hot-Washer Pressure Washer).
- After steam cleaning, the equipment will be allowed to dry and will be reinspected. Any remaining visible debris will be re-cleaned through additional pressure washing.

After any debris is removed, according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the closeout of the activities involving contact with waste material or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment will be inspected prior to release from the facility and inspection results will be documented in field logbooks. Decontamination wash water will be collected and sent to either the wastewater treatment plant or treatment/disposal system. The CHASP contains information regarding management of work zones and decontamination.

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**Appendix E
Former Southwest Pit
IRAP Waste
Management Plan**

Ford/Kingsford Site,
Kingsford, Michigan

6. Future Work

Future construction activities, including utility or roadwork, at the SW Pit will follow this WMP and the SW Pit CHASP if there is the possibility of dermal contact with impacted soils/waste materials beneath the cover as a result of the activities. Soil/waste materials that are excavated during future construction activities will need to be managed in accordance with this WMP.

After future construction activities are complete, any portion of the cover that was disturbed will need to be restored to pre-construction conditions. Waste materials encountered will be managed according to Section 5.2.1, Waste Material. The disturbed area will be checked for settlement after construction activities. If settling has occurred, the cover will be inspected for compliance with the specifications for the cover. If the cover does not meet the specifications, it will be re-constructed so that it does.

7. Employee Training

The employee-training program will inform project personnel of the components and objectives of the WMP, and the measures that will be implemented to ensure that these objectives are attained. Training will address each component of the plan, and will inform personnel as to why and how control practices are to be implemented. Topics will include, at a minimum, the following:

- Spill prevention and response.
- Good housekeeping practices.
- Equipment operations training.
- Material management practices.
- Inspection and maintenance of sediment and erosion control practices.

Certain employees will receive initial training at the start of construction and periodic refresher training thereafter, as necessary. Hazardous material training is discussed in the CHASP for the site. However, based on the analytical results of the material sampled at the SW Pit, hazardous materials are not expected to be encountered.

8. Emergency Response

The CHASP contains detailed health related emergency response procedures. A list of emergency contacts and phone numbers is in this WMP as Table E8-1, and a map showing the route from the site to Dickinson County Memorial Hospital is included in this WMP as Figure E8-1. The emergency information is also found in the SW Pit CHASP.

Should fire, explosion, a spill or leak of a hazardous substance, or release of waste or hazardous constituents occur, the contractor is required to contact the appropriate agency for both immediate emergency assistance, and for reporting purposes (if required).

8.1 Spill Prevention and Response

To prevent or minimize the potential for stormwater and groundwater contamination at fueling areas, the following general practices will be implemented:

- Leaks and spills shall be contained and cleaned-up as soon as possible using dry absorbent materials, and leaking equipment shall be removed from the site and repaired or replaced.

9. Implementation

Implementation of this WMP during construction will be the responsibility of the Waste Management person or team as provided by the construction contractor. The Waste Management person or team members shall be properly trained, as discussed in Section 7.0 of this document. A list of objectives and implementation procedures will be developed for each construction task, along with a preliminary task completion schedule. The Waste Management person or team shall also be responsible for ensuring stormwater, sediment and erosion control practices are in place at the appropriate time.

10. WMP Approvals

By their signature, the undersigned certify that this WMP is approved and will be utilized for operations to be conducted under this plan.

Contractor Project Manager

Date

Contractor Waste Management
Team Leader

Date

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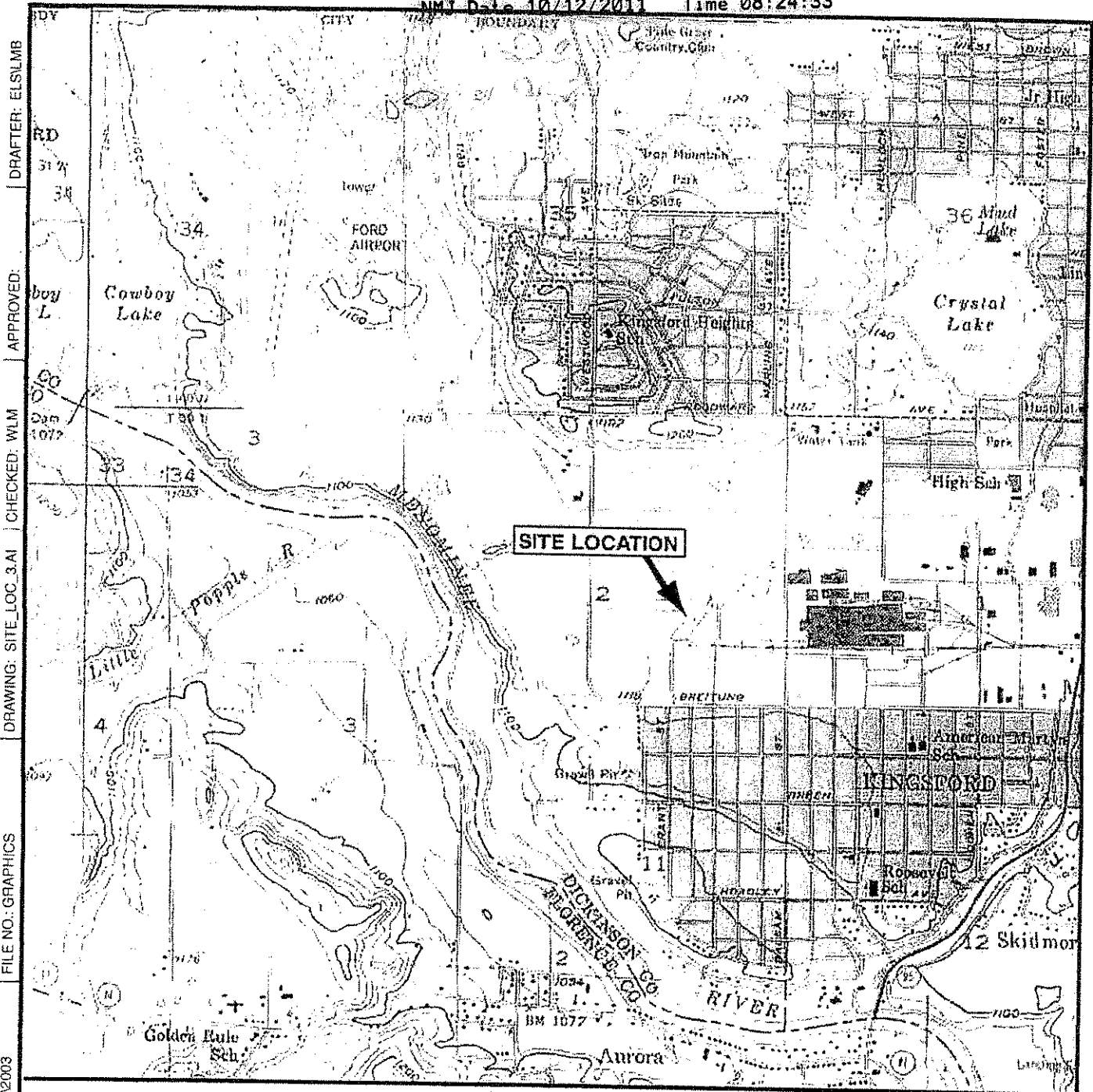
Table E8-1. Emergency Phone Numbers and Directions to Dickinson County Memorial Hospital, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Area Code	906
Police Emergency	911
Police Non-Emergency	774-2525
Fire Emergency	911
Fire Non-Emergency	774-1265
Ambulance	911
Beacon Ambulance Service	779-5050
Rescue Squad	911
Dickinson County Sheriff	774-6262
Hospital Emergency	779-4555
Hospital Non-Emergency	774-1313
Poison Control Center	1 (800) 562-9781
Toxic Substances Center for Disease Control (CDC)	1 (404) 452-4100 1 (202) 554-1404
CDC Hotline	1 (404) 329-2888
Contractor Project Manager	Insert Contact Numbers
Ford Motor Company David Miller	1 (313) 322-3761
Kingsford Products Company Daniel Musgrove	1 (708) 728-4328
Contractor Corporate Health & Safety	Insert Contact Numbers
Miss Dig	1 (800) 482-7171

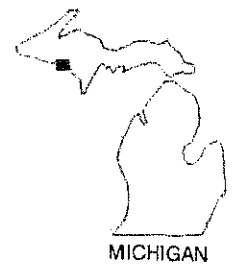
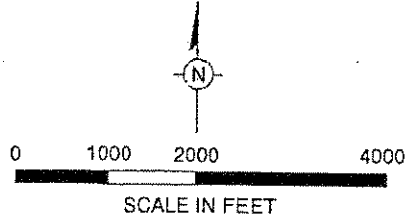
Dickinson County Memorial Hospital - South US Highway 2, Iron Mountain, Michigan.

Directions to Hospital:

East on Breitung Avenue to Hydraulic Falls Road. North (left) on Hydraulic Falls Road to US Highway 2 (Stephenson Avenue). South (right) on US Highway 2 for approximately 1 mile to Dickinson Memorial Hospital.



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982



MICHIGAN



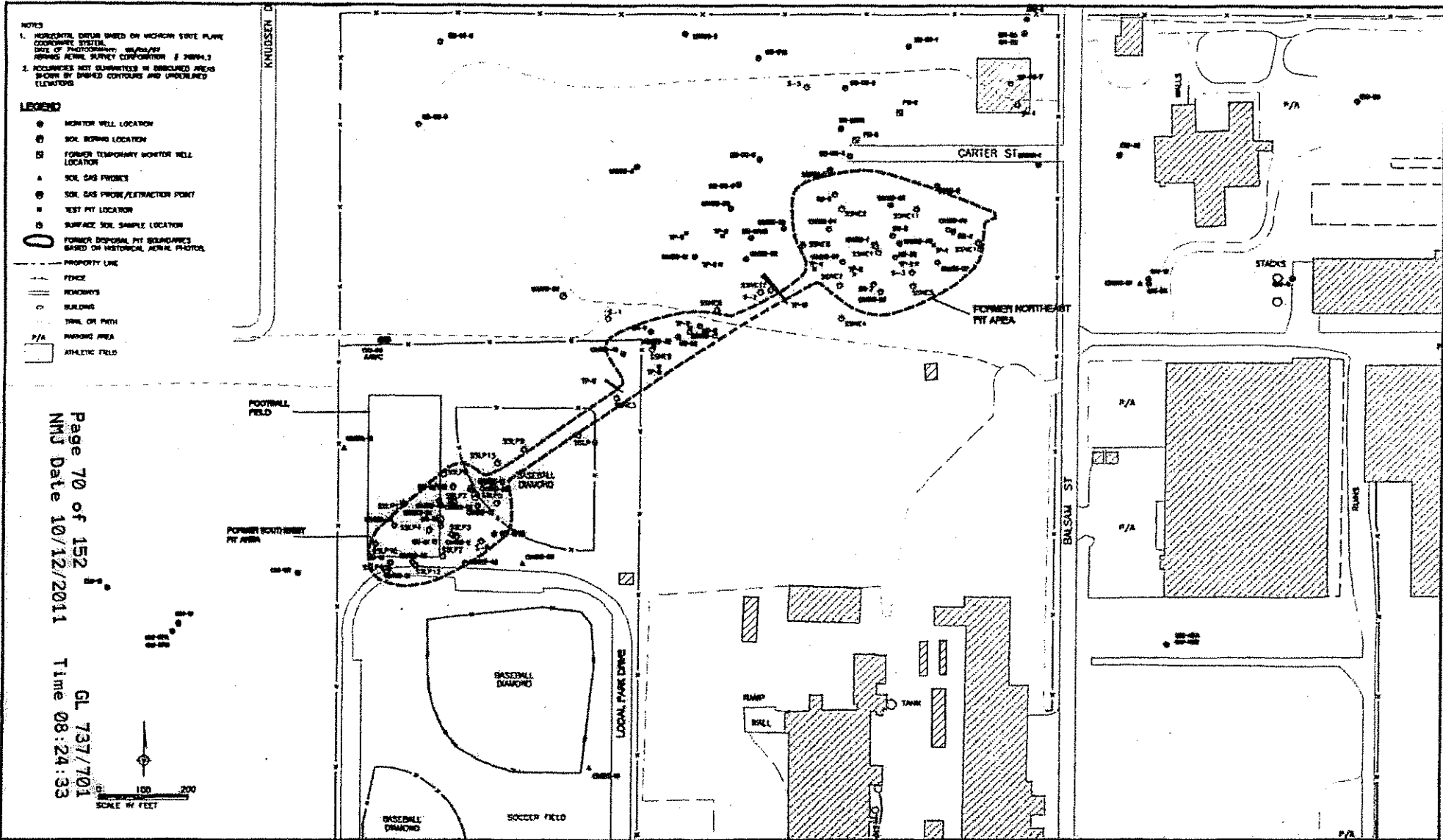
SITE LOCATION MAP

FORMER SOUTHWEST PIT IRAP
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE

E2-1

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 APPROVED:
 CHECKED: WLM
 SITE_LOC_3.A1
 GRAPHICS
 PN: FORDWI06372003
 08MAY02



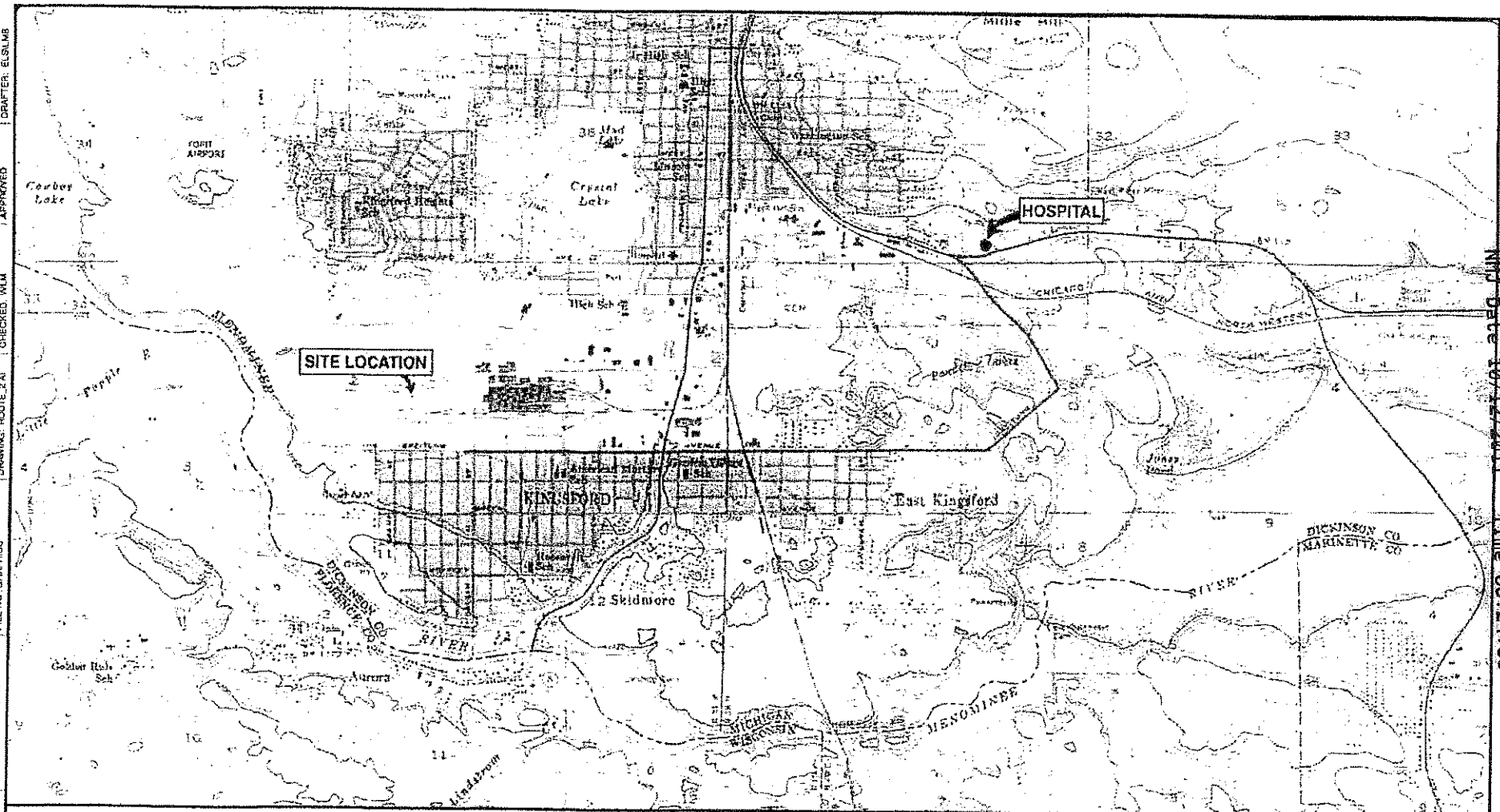
NOTES
 1. HORIZONTAL DATUM BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM.
 DATE OF PHOTOGRAPHY: 08/04/09
 AIRBORNE PHOTO SURVEY COORDINATOR: J. NEMM-3
 2. LOCATIONS NOT QUANTIFIED IN DISCLOSED AREAS SHOWN BY SHADDED CONTOURS AND UNDERLINED ELEVATIONS

- LEGEND**
- MONITOR WELL LOCATION
 - SOIL BORING LOCATION
 - FORMER TEMPORARY MONITOR WELL LOCATION
 - ▲ SOIL GAS PROBE
 - ⊙ SOIL GAS PROBE/EXTRACTOR POINT
 - TEST PIT LOCATION
 - SURFACE SOIL SAMPLE LOCATION
 - FORMER DISPOSAL PIT BOUNDARIES BASED ON HISTORICAL AERIAL PHOTOS
 - PROPERTY LINE
 - FENCE
 - ROWWAYS
 - BUILDINGS
 - TRAIL OR PATH
 - P/A PARKING AREA
 - ATHLETIC FIELD

Page 70 of 152
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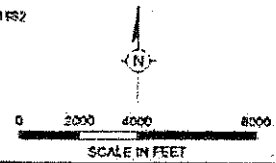
FEDERAL ACTION—02/13—2 2002 © 2004/05 10/12/2011 08:24:33	NO. DATE REVISION DESCRIPTION BY DATE	ARCADIS 2000 Michigan Boulevard, Suite 1700 Detroit, Michigan 48226 Tel: 313.487.4400 Fax: 313.487.2000		FORMER SOUTHWEST PIT TRAP FORD/KINGSFORD SITE KINGSFORD, MICHIGAN	DRAWN: GCS DATE: 5/19/2009	PROJECT MANAGER: [blank] LEAD DESIGN PROJ. ENGR: [blank] PROJECT NUMBER: M00950.0005	DEPARTMENT MANAGER: [blank] CHECKED: [blank] REVISION: E2-2
				SITE PLAN VIEW	PROJECT NUMBER: M00950.0005	DEPARTMENT MANAGER: E2-2	

DWS DATE: 12FEB03 | PLOT FOR: 0000032009 | FILE NO: GRAPHICS | DRAWING: ROUTE 2A | CHECKED: WLM | APPROVED: | DRAFTER: ELSLME



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICH.-WIS. Quadrangle, 1955, Photorevised 1982

Route to Hospital: East on Breitung Avenue to Hydraulic Falls Road
 North on Hydraulic Falls Road to U.S. Highway 2 (Stephenson Avenue)
 South on U.S. Highway 2 to Dickinson County Memorial Hospital



	<p>ROUTE TO HOSPITAL</p> <p>FORMER SOUTHWEST PIT AREA FORMER KINGSFORD SITE KINGSFORD, MICHIGAN</p>	<p>FIGURE</p> <p>E6-1</p>
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Page 71 of 152
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EXHIBIT F

HEALTH AND SAFETY PLAN GUIDELINE FOR THE PROPERTY

ARCADIS

Page 73 of 152
NMJ Date 10/12/2011

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Time 08:24:33

Appendix F

Former Southwest Pit Area Construction Health and Safety Plan Guideline

Prepared for:
**Ford Motor Company
The Kingsford Products Company**

1. Introduction	1
2. Contractor Organization and Responsibilities	3
2.1 Organizational Structure	3
2.2 Record Keeping Requirements	4
2.3 Training	5
2.4 Health and Safety Meeting	7
2.5 Health Monitoring and Surveillance	8
3. Background	10
3.1 Site Description	10
3.2 Site History	10
3.3 Interim Response Action Summary	10
4. Chemical Constituent Descriptions	11
5. Potential Exposure Pathways and Hazard Evaluation	17
5.1 Chemical Hazards	17
5.2 Physical Hazards	17
5.2.1 Flammability and Explosivity of Vapors	18
5.2.2 Construction Explosive Hazards	18
5.2.3 Noise Exposure	18
5.2.4 Heat/Cold Stress	18
5.2.5 Lacerations and Contusions	19
5.2.6 Insect and Wildlife Hazards	19
5.2.7 Lifting Hazards	19
5.2.8 Packaging and Shipping Hazards	19
5.3 Field Activities/Physical Hazards	19
5.3.1 Hazard Analysis: Excavation	20
5.3.2 Hazard Analysis: Restoring the Protective Cover	21

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Table of Contents

5.3.3	Hazard Analysis: Collecting Soil Samples for Laboratory Analysis	21
5.3.4	Hazard Analysis: Geotechnical Sampling as Required During Construction	22
6.	Personnel Protection Program	23
6.1	Level D Protection	23
6.2	Level D Modified Protection	24
6.3	Level C Protection	24
6.4	Decontamination Procedures	26
6.4.1	Level D Decontamination Procedures	26
6.4.2	Level C Decontamination Procedures	26
6.5	Heat Stress Control and Monitoring	28
6.6	Cold Stress Control and Monitoring	30
7.	Air Monitoring	32
7.1	Air Monitoring	32
7.2	Perimeter Monitoring	32
7.3	Organic Vapor Monitoring	33
7.4	Combustible Gas/Oxygen Monitoring	34
8.	Site Control	35
8.1	Site Preparation	35
8.2	Work Zones	36
8.2.1	EZ	36
8.2.2	CRZ	36
8.2.3	SZ	37
8.3	General Work Rules	37
8.3.1	Overhead Utilities	38
8.3.2	Inclement Weather	38
8.3.3	Manual Lifting	39
8.3.4	Portable Ladders	39

8.3.5	Heavy Equipment Safety	40
8.3.6	Driver Safety	41
8.3.7	Power and Hand Tools	41
8.3.8	Hand Protection	41
8.3.9	Lockout/Tagout	42
8.3.10	Traffic Control	42
8.3.11	Material Storage	42
8.3.12	Fire Prevention	42
8.3.13	Inspections	43
8.4	Site Security	43
8.5	Site Visitors	43
8.6	Disposal of Material	44
9.	Engineering Controls	45
10.	Emergency Procedures	46
10.1	Emergency Phone Numbers and Hospital Location	46
10.2	Personnel Injury in the EZ	46
10.3	Personnel Injury in the SZ	46
10.4	Fire/Explosion Emergency Procedures	47
10.4.1	Emergency Procedures	47
10.4.2	Emergency Medical Care	48

Tables

F4-1	Chemical Constituents of Potential Concern and Health and Safety Information, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
F6-1	Signs and Symptoms of Chemical Exposure and Heat Stress that Indicate Potential Medical Emergencies, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
F7-1	Action Levels, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

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Table of Contents

- F10-1 Emergency Phone Numbers and Directions to Dickinson Country Memorial Hospital, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Figures

- F2-1 Project Health and Safety Organization and Reporting, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F2-2 Daily Health and Safety Meeting Form, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F2-3 Field Team Review Sheet, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F2-4 Visitor Review of Site Health and Safety Plan, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F2-5 Emergency Medical Data Sheet, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F2-6 Emergency Report Form, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F2-7 CHASP Approvals, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F3-1 Site Location Map, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F3-2 Site Plan View, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F6-1 Minimum Decontamination Layout; Level D Protection, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F6-2 Minimum Decontamination Layout; Level C Protection, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.
- F10-1 Route to Hospital, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

1. Introduction

This Construction Health and Safety Plan (CHASP) Guideline has been prepared for future use in conjunction with an Interim Response Action Plan (IRAP) for the Former Southwest Pit Area (SW Pit) at the Ford/Kingsford Site located in Kingsford, Michigan. This document presents requirements that must be incorporated into a contractor-generated CHASP (Contractor CHASP) when conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials. The contractor will generate the Contractor CHASP as part of their work for the identified site conditions, scope of work, and necessary personnel in accordance with the guidelines presented here. The contractors may include additional content consistent with this CHASP Guideline and their own corporate health and safety guidelines or procedures. The responsibility for the development, implementation, and enforcement of the Contractor CHASP lies solely with the contractor, not Ford Motor Company (Ford) or The Kingsford Products Company.

The elements of this CHASP are based upon the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (October 1985 and March 1989) and the Michigan Occupational Safety and Health Act (MIOSHA) and its Rules. These guidelines have been supplemented by information obtained during site visits. All reasonable precautions will be taken by the selected contractor and its subcontractors to protect the safety and health of workers and the general public. All work will be performed in accordance with applicable federal, state, and local regulations.

The objective of this CHASP is to structure and maintain safe working conditions at the site and to develop a plan of action in the case of a site emergency during field activities. The safety organization and procedures have been established based on an analysis of potential hazards, and personal protection measures have been selected in response to these potential hazards.

Elements of this plan address the following topics:

- Project Organization.
- Site History and Project Description.
- Training.

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**Appendix F
Former Southwest Pit
Area Construction
Health And Safety Plan
Guideline**

Ford/Kingsford Site,
Kingsford, Michigan

- Potential Hazards of Site Contaminants.
- Activity Hazard Analysis.
- Safety Considerations for Site Operations.
- Protective Equipment.
- Monitoring Requirements.
- Site Control Zones and Communication.
- Medical Surveillance.
- Decontamination and Waste Disposal.
- Emergency Response Plan.

2. Contractor Organization and Responsibilities

The contractor will be responsible for its employees and subcontractors and their adherence to the Contractor CHASP during construction activities that have the potential to disturb the cover system and expose personnel to waste material. The Contractor CHASP will adhere to the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (October 1985 and March 1989) prepared by the National Institute for Occupational Safety and Health, Occupational Safety and Health Administration (OSHA), US Coast Guard, and U.S. Environmental Protection Agency (U.S. EPA) regulations. The Contractor CHASP will also adhere to MIOSHA and its Rules. Trained staff will supervise the work in accordance with the health and safety requirements described herein, the current edition of the Michigan regulations for hazardous waste operations, and all applicable federal, state, and local health and safety regulations.

2.1 Organizational Structure

Proper planning and careful Contractor CHASP implementation is essential to carrying out the proposed construction activities at the site. An organizational structure detailing personnel requirements and responsibilities is presented in this section. The organizational structure defines the chain of command and identifies the person responsible for directing activities related to the project. Necessary personnel for project implementation will be identified as well as their general functions and responsibilities. This structure also identifies lines of authority, responsibility, and communication among the project team and indicates the person(s) responsible for communicating with the emergency response community. A typical organization and reporting chart is shown on Figure F2-1.

An overall project manager (PM) and a project superintendent (PS) and site safety officer (SSO) will be called out by the contractor in the plan, and an alternate project manager and project superintendent will be identified. Their responsibilities include:

- Having the authority to direct all activities.
- Ensuring the implementation of the Contractor CHASP and effective loss control principles.
- Ensuring that safe work rules and practices are enforced.

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Ford/Kingsford Site,
Kingsford, Michigan

- Performing on-site inspections to make certain the Contractor CHASP is being followed.
- Implementing corrective actions following audits, inspections, incident investigations, etc.
- Ensuring that resources are available for all health and safety requirements.
- Assigning trained and qualified personnel to project tasks.
- Providing the appropriate monitoring and safety equipment necessary for implementing the Contractor CHASP.

The PM and PS have the ability to authorize the following safety-related suspensions:

- Temporary suspension of field activities if the health and safety of personnel are endangered.
- Temporary suspension of an individual from field activities for infraction of the Contractor CHASP.

The PM and PS will have ready access to occupational health and safety professionals, including an industrial hygienist.

2.2 Record Keeping Requirements

The PS shall ensure that all health and safety record keeping requirements mandated by Rule 408.22101 et seq., Rule 324.52101 et seq. under MIOSHA, and any other applicable standards are met. An administrative area will be designated for maintenance of such records including MIOSHA certifications, exposure monitoring records, training certificates, and health and safety field logbooks. Additional records to be kept, when applicable, may include the following:

- Daily Health and Safety Meeting Form (Figure F2-2).
- Field Team Review Sheet (Figure F2-3).

- Visitor Review of Site Health and Safety Plan (Figure F2-4).
- Qualification and testing for respirator use and fit test.
- Emergency Medical Data Sheets (Figure F2-5).
- Calibration logs as described in Section 7.3.
- Monitoring logs for volatile organic compounds (VOCs), oxygen levels, particulates, and any other monitored parameter.
- Perimeter monitoring charts, data, and calculation sheets.
- Personal protective equipment (PPE) log for levels of protection greater than Level D with date, type of PPE, time and duration of PPE use.
- Exposure and incident reports.
- Emergency Report Form (Figure F2-6).
- Work stoppage and work re-start reports.
- Copies of the Contractor CHASP with appropriate signatures, CHASP Approvals (Figure F2-7).

2.3 Training

It will be the responsibility of the PM, PS and SSO to ensure that properly trained personnel are assigned to each work task. Members of the project team performing tasks that could potentially result in exposure to waste materials will have satisfied the training requirements of Rule 325.52101 et seq. (MiOSHA regulation of hazardous waste site activities). MiOSHA certificates for these members should be current and available. These employees will also be subject to appropriate medical surveillance in accordance with Rule 325.52101 et seq. Site-specific training will be provided as necessary for those workers, including subcontractors, and will include a discussion of the following topics:

- Names of all health and safety related personnel and alternates.

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**Appendix F
Former Southwest Pit
Area Construction
Health And Safety Plan
Guideline**

Ford/Kingsford Site,
Kingsford, Michigan

- Health and safety organization.
- Locations where Contractor CHASP will be stored.
- Nature of anticipated hazards.
- Recognition and guidance of hazards at the site.
- Safe use of engineering controls and equipment on the site.
- Hazard communication.
- Exposure risk.
- Safe work practices.
- PPE to be used.
- Personnel and equipment decontamination procedure.
- Air monitoring.
- Emergency procedures and on-site First Aid Station and Procedures.
- Rules and regulations for vehicle use.
- Safe use of field equipment.
- Handling, storage, and transportation of hazardous materials.
- Employee rights and responsibilities.

Additionally, field personnel will be responsible for knowing and understanding the information contained in the Contractor CHASP. The Field Team Review Sheet (Figure F2-3) will be signed by site workers after familiarization with the Contractor CHASP prior to site access. Anyone refusing to sign the form will be prohibited from working at the site.

When a new employee has been assigned to the site, the PS and SSO must present a briefing before the new employee participates in any field activities. All new employees must sign the Field Team Review Sheet after receiving training and before beginning fieldwork.

2.4 Health and Safety Meeting

Prior to initiating site work, site personnel will be required to attend an orientation session given by the PS and SSO as outlined in Figure F2-2. This session will take place at the site prior to the start of work and may include, but is not limited to, the following topics:

- Site history.
- Scope of fieldwork.
- Specific hazards (toxicological data, heat stress/exposure, other physical hazards).
- Hazard recognition.
- Standard operation procedures and injury prevention, including no smoking and no hand-to-mouth contact within the exclusion zones or prior to completing decontamination.
- Decontamination (personnel and equipment).
- Emergency procedures.
- Potential respirator use.

Field personnel must attend this meeting, the minutes of which shall be documented in the site logbook and maintained as indicated in Section 2. In addition, a safety meeting will be conducted before each workday.

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2.5 Health Monitoring and Surveillance

A health monitoring and surveillance program will be established to verify that the worker is physically fit to perform the necessary tasks. The monitoring program will be performed in accordance with MIOSHA requirements. An initial screening of the worker will be performed in accordance with OSHA 29 CFR 1910 guidelines prior to site placement to document current level of health and ability to wear protective gear. The initial health screening should focus on examination of the kidneys, heart, and lungs, and should include the following physical examinations:

1. Height, weight, temperature, pulse respiration, and blood pressure.
2. Head, nose, and throat.
3. Eyes. Including vision tests that measure refraction, depth perception, and color vision.
4. Ears. Requirements for this test are listed in 29 CFR 1910.95.
5. Chest (heart and lungs), including pulmonary function and electrocardiogram testing.
6. Peripheral vascular system.
7. Abdomen and rectum (including hernia exam).
8. Spine and other components of the musculoskeletal system.
9. Genitourinary system.
10. Skin.
11. Nervous system.

The following tests should also be performed during the pre-employment examination:

- Blood (including complete blood count with differential, comprehensive metabolic panel, cadmium, mercury, and serum polychlorinated biphenyls [PCBs]).
- Urine.
- Chest X-rays.

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**Appendix F
Former Southwest Pit
Area Construction
Health And Safety Plan
Guideline**

Ford/Kingsford Site,
Kingsford, Michigan

Periodic medical exams should also be part of the Contractor's Corporate Medical Monitoring Program in accordance with 29 CFR 1910. Annual exams are acceptable; however, more frequent examinations may be necessary depending on the types of chemicals the worker has been exposed to, the duration of the assignment, and the potential or actual exposure levels.

In addition, testing is necessary to confirm that the worker is capable of completing the work tasks while wearing protective equipment. Medical records for each team must be maintained on-site as stated in Section 2.2 to include the following information:

- Qualification statement for hazardous waste work.
- Qualification for respirator use.
- Respirator fit test results.
- Emergency Medical Data Sheet (Figure F2-5).

The contractor will provide in the Contractor CHASP the components of their active medical monitoring program, including a detailed plan of health signs and symptoms to be monitored throughout the workday. A record of these monitoring reports should be maintained on site along with each worker's health history record.

3. Background

3.1 Site Description

The City of Kingsford is located in southwestern Dickinson County, in the western part of Michigan's Upper Peninsula. The City is bounded by the Menominee River on the west and south, by the City of Iron Mountain on the north, and Highway M-95 (Carpenter Avenue) to the east. The SW Pit (center point) is located approximately 1,100 feet north of Breitung Avenue and approximately 1,500 feet west of Balsam Street in the central portion of the city as shown on Figure F3-1. A plan view of the SW Pit Area is shown on Figure F3-2.

3.2 Site History

Aerial photographs and historic records indicate that disposal at the SW Pit occurred since the 1920s. Wood pieces, wood sawdust, wood bark chips, and charcoal were reportedly disposed of in the SW Pit, along with industrial waste and wastewater containing dissolved organics from pyrolysis processes. Aerial photographs show continued disturbances to the surface of the area and disposal from unidentified sources to at least 1981.

3.3 Interim Response Action Summary

The primary focus of the SW Pit IRAP is to prevent direct contact with waste materials, except under controlled conditions, and allow future use of the present area overlying the SW Pit. The SW Pit IRAP includes the use of a permeable cover system, operation of a soil vapor extraction system, and creation of a restrictive covenant/institutional controls. Additional details are provided in the SW Pit IRAP.

4. Chemical Constituent Descriptions

Laboratory analytical data compiled for soil samples within the SW Pit indicate that low levels of VOCs, semi-volatile organic compounds (SVOCs), alcohols, aldehydes, metals, and pesticides/PCBs have been detected in samples at concentrations above background levels. Any chemical constituent detected in the soil or waste material at the SW Pit is listed below. Exposure limits, explosive limits (if applicable), and potential exposure routes for these chemical constituents of potential concern are listed in Table F4-1. Monitoring and Contractor designation of action levels will be discussed in Section 7.

VOCs:

- Acetone.
- Benzene.
- 2-Butanone.
- Carbon disulfide.
- Chloromethane.
- Ethylbenzene.
- 2-Hexanone.
- Methylene chloride.
- 4-Methyl-2-pentanone.
- Naphthalene.
- N-Propylbenzene.
- Toluene.
- Trichloroethene.

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Appendix F Former Southwest Pit Area Construction Health And Safety Plan Guideline

Ford/Kingsford Site,
Kingsford, Michigan

- 1,2,4-Trimethylbenzene.
- 1,3,5-Trimethylbenzene.
- Xylenes (total).

SVOCs:

- Acenaphthene.
- Anthracene.
- Benzo(a)anthracene.
- Benzo(a)pyrene.
- Benzo(b)fluoranthene.
- Benzo(g,h,i)perylene.
- Benzo(k)fluoranthene.
- BHC (alpha).
- BHC (gamma).
- Bis(2-ethylhexyl)phthalate.
- Butylbenzenephthalate.
- Carbazole.
- 4-Chloroaniline.
- Chrysene.
- Dibenzofuran.

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Appendix F Former Southwest Pit Area Construction Health And Safety Plan Guideline

Ford/Kingsford Site,
Kingsford, Michigan

- Diethylphthalate.
- Di-n-butylphthalate.
- 2,4-Dimethylphenol.
- Di-n-octylphthalate.
- Fluoranthene.
- Fluorene.
- Ideno(1,2,3-cd)pyrene.
- Methoxychlor.
- 2-Methylnaphthalene.
- 2-Methylphenol.
- 3-Methylphenol.
- 4-Methylphenol.
- Naphthalene.
- N-Nitrodimethylamine.
- N-Nitrosodiphenylamine.
- 2-Picoline.
- Phenanthrene.
- Phenol.
- Pyrene.

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Appendix F Former Southwest Pit Area Construction Health And Safety Plan Guideline

Ford/Kingsford Site,
Kingsford, Michigan

Alcohols:

- 1-Propanol.
- Ethanol.
- Ethylacetate.
- Methanol.
- N-Butanol.

Aldehydes:

- Acetaldehyde.
- Formaldehyde.
- Inorganic Nitrogen, Nitrate.

Metals:

- Aluminum.
- Antimony.
- Arsenic.
- Barium.
- Beryllium.
- Cadmium.
- Calcium.
- Chromium.

ARCADIS

Appendix F Former Southwest Pit Area Construction Health And Safety Plan Guideline

Ford/Kingsford Site,
Kingsford, Michigan

- Cobalt.
- Copper.
- Cyanide.
- Iron.
- Lead.
- Magnesium.
- Manganese.
- Mercury.
- Molybdenum.
- Nickel.
- Potassium.
- Selenium.
- Silver.
- Sodium.
- Thallium.
- Titanium.
- Vanadium.
- Zinc.

**Appendix F
Former Southwest Pit
Area Construction
Health And Safety Plan
Guideline**

Ford/Kingsford Site,
Kingsford, Michigan

ARCADIS

Pesticides/PCBs:

- 4,4'-DDE.
- Aldrin.
- Aroclor 1254.
- Chlordane (gamma).
- Dieldrin.
- Endrin.
- Endrin aldehyde.
- Endrin ketone.
- Heptachlor.
- Heptachlor epoxide.

In addition, the presence of potentially explosive concentrations of methane gas exist at the SW Pit. Since methane gas is lighter than air, it will rise into the vadose zone in the absence of silt or clay layers, or become trapped below these layers if they are present. Historical investigations have shown the presence of methane gas in the waste material and the native soil surrounding the SW Pit. Provisions must be included in the Contractor CHASP for occurrence of methane gas in the vadose zone.

5. Potential Exposure Pathways and Hazard Evaluation

Hazards that exist at the SW Pit can be classified as either chemical or physical. Chemical hazards are site-specific and consist of the contaminants of concern and the potential routes of exposure. Physical hazards can vary depending on the type of construction activity. A discussion of the exposure pathways and hazards follow in the subsequent sections.

5.1 Chemical Hazards

Chemical hazardous consist of the various contaminants identified at the SW Pit. Workers can be exposed to these contaminants through various exposure pathways. These exposure pathways and other chemical hazards that may affect the health and safety of the on-site personnel are listed below.

The following potential exposure and chemical hazard pathways may be encountered during fieldwork at the site:

- Ingestion of affected surface soils or material.
- Dermal contact with affected particles, vapors, or gases.
- Inhalation of vapors or gases.
- Inhalation of dust/particulates.
- Dermal contact with contaminated storm water during construction.

These exposure pathways will be minimized by following the protocol for the designated working level of protection as described in Section 6.0 (Personnel Protection Program). Toxicological data for the major constituents detected at the site are listed in Table F4-1.

5.2 Physical Hazards

Field personnel may be exposed to physical hazards during this project. Physical hazards that may be encountered include:

**Appendix F
Former Southwest Pit
Area Construction
Health And Safety Plan
Guideline**

Ford/Kingsford Site,
Kingsford, Michigan

ARCADIS

- Explosive Hazards.
- Noise.
- Heat/cold stress.
- Lacerations and contusions.
- Insects and wildlife.
- Lifting hazards.
- Packaging and shipping.

General considerations are discussed below; specific comments are presented in Section 5.3.

5.2.1 Flammability and Explosivity of Vapors

Methane vapors are known to be present, at the SW Pit. Air monitoring for methane gas will be conducted during the field activities at the site, as well as measuring the lower explosive limit and oxygen concentrations within the breathing zone.

5.2.2 Construction Explosive Hazards

Other explosive hazards associated with construction activities include storage of vehicle fuel and calibration gases for measuring devices.

5.2.3 Noise Exposure

Construction crews may be exposed to loud noise levels from construction equipment. Hearing protection may be necessary.

5.2.4 Heat/Cold Stress

Workers may be required to wear protective clothing that insulates the body. A hazard may exist if workers wear protective clothing in temperatures exceeding 90°F. In addition to heat stress, exposure to temperatures at or below freezing may result in

frostbite and/or hypothermia. A monitoring program will be in place during use of protective gear.

5.2.5 Lacerations and Contusions

Earthwork and excavation activities usually involve contact with moving machinery and physical objects. If the field team is cut or bruised during this project, the PS will be prepared to deal with cuts and bruises and a first aid kit will be present during all site operations.

5.2.6 Insect and Wildlife Hazards

If construction activities require workers to enter areas of overgrown vegetation, potential exposure to insect bites and ticks exist. Workers will pay special attention to the presence of wildlife and inspect themselves at the end of each field day. The first aid kit will contain medications for insect bites.

5.2.7 Lifting Hazards

Construction activities may involve heavy lifting. Field team members should be trained in the proper methods to lift heavy objects, and cautioned against lifting objects that are too heavy for one person to handle safely.

5.2.8 Packaging and Shipping Hazards

After the samples have been collected in sampling jars, the samples will be properly packaged in such a manner as to protect shipping personnel from potential exposure to constituents. There is no particular hazard in performing the packaging operation, yet if this operation is not done properly, unsuspecting individuals may be exposed if the containers leak or break. Preservation of water samples may involve the use of acids or bases to adjust sample pH. Precautions will be taken to avoid contact with these reagents.

5.3 Field Activities/Physical Hazards

Listed below are potential construction activities that may be performed following implementation of the SW Pit IRAP.

ARCADIS

Ford/Kingsford Site,
Kingsford, Michigan

5.3.1 Hazard Analysis: Excavation

Excavation activities conducted at the site may expose field personnel to the physical hazards listed below.

Physical Hazards:

- Being hit by equipment.
- Being struck by falling objects.
- Exposure to loud noise.
- Exposure to extreme outside temperatures.
- Confined space

A permeable soil cover system exists over waste areas at the SW Pit. Should excavation to depths greater than 2 feet below land surface be necessary within the cover area, these construction activities may expose field personnel to the chemical hazards listed below:

Chemical Hazards:

- Exposure to explosive vapors.
- Inhalation of vapors.
- Inhalation of dust particles.
- Dermal contact with chemical constituents in affected soil or waste material present below the protective cover.

In addition, should excavations greater than 30 inches below land surface (in bls) be required, field personnel could be exposed to confined space conditions. Any excavation greater than 30 in bls will follow the procedures identified by the OSHA Construction Code 29CFR1926 for excavation sloping/shoring/benching.

5.3.2 Hazard Analysis: Restoring the Protective Cover

Following disturbance of the cover system, construction activities will need to be conducted to repair/restore the protective cover. These activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Exposure to explosive vapors.
- Inhalation of vapors.
- Inhalation of dust particles.
- Dermal contact with chemical constituents in affected soil or waste material.

Physical Hazards:

- Being hit by equipment.
- Being struck by falling objects.
- Exposure to loud noise.
- Exposure to extreme outside temperatures.

5.3.3 Hazard Analysis: Collecting Soil Samples for Laboratory Analysis

Following the implementation of the IRAP, a 30-inch thick permeable soil cover will exist over the waste areas at the SW Pit. Should it be necessary to collect soil samples at depths greater than 30 in bls in the cover area, these activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Inhalation of particulates.
- Dermal contact with chemical constituents in affected soil or waste material.

ARCADIS

**Appendix F
Former Southwest Pit
Area Construction
Health And Safety Plan
Guideline**

Ford/Kingsford Site,
Kingsford, Michigan

After the samples have been collected in sampling jars, the samples will be properly packaged to protect shipping personnel from potential exposure to constituents. There is no particular hazard in performing the packaging operation, yet if this operation is not done properly, unsuspecting individuals may be exposed if the containers leak or break. Preservation of water samples may involve the use of acids or bases to adjust sample pH. Precautions will be taken to avoid contact with these reagents.

5.3.4 Hazard Analysis: Geotechnical Sampling as Required During Construction

A permeable soil cover system exists over waste material at the SW Pit. Should geotechnical borings/samples be required at depths greater than 30 in bls in the cover system, these construction activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Inhalation of particulates.
- Dermal contact with chemical constituents in affected soil or waste material.

Physical Hazards:

- Falling objects.
- Exposure to loud noise.
- Exposure to extreme outside temperatures.

6. Personnel Protection Program

A Personnel Protection Program will be established in the Contractor CHASP to be maintained for personnel working at the site and conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. The Personnel Protection Program will provide necessary health and safety training to the contractor personnel assigned to perform or oversee work, health and safety, security, administrative duties, or any other related functions at the site. Site safety meetings will be held before work begins each day or as specified by the PS. Separate protocol will be followed for site visitors as described in a later section.

Personnel shall wear PPE during any of the following conditions: (1) field activities involving the potential for exposure to contaminants, (2) site activities that may generate vapors, gases, particulates, mists, or aerosols, or (3) direct contaminant contact with skin. The type of required PPE is categorized by a level of protection as described below. Any respiratory protection plan implemented during on-site activities will be done in accordance with 29 CFR Part 1910.134.

The levels of protection and the equipment utilized are defined as follows:

6.1 Level D Protection

The following PPE shall be considered typical Level D protection:

- Coveralls.
- Leather or chemical-resistant boots with a steel toe and shank.
- Work gloves.
- Safety glasses, chemical splash goggles, or face shield (as determined by the PS).
- Hard hat.
- Hearing protection (as determined by the PS).

ARCADIS

Appendix F Former Southwest Pit Area Construction Health And Safety Plan Guideline

Ford/Kingsford Site,
Kingsford, Michigan

- Outer latex disposable boots (optional).

6.2 Level D Modified Protection

Level D Modified protection shall be used when an increased need for dermal protection is recognized but respiratory protection is not indicated. The following equipment shall be used for Level D Modified protection:

- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard).
- Disposable nitrile or butyl outer gloves (glove selection will be based on the site-specific contaminant hazard).
- Nitrile or latex inner gloves (glove selection will be based on the site-specific contaminant hazard).
- Polyvinyl chloride (PVC) boots (chemical-resistant) with a steel toe and shank.
- Hard hat.
- Hearing protection (as determined by the PS).
- Latex outer booties (optional).
- Safety glasses, chemical splash goggles or face shield (as determined by the PS).

6.3 Level C Protection

The following PPE shall be considered Level C protection:

- Full-face piece air-purifying respirator (APR) with organic vapor/high-efficiency particulate filter cartridges (as site conditions warrant, a different APR cartridge may be specified in site specific addenda).

- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard).
- Disposable nitrile or butyl outer gloves (glove selection will be based on the site-specific contaminant hazard).
- Nitrile or latex inner gloves (glove selection will be based on the site-specific contaminant hazard).
- PVC boots (chemical-resistant) with a steel toe and shank.
- Hard hat.
- Hearing protection (as required).
- Latex outer booties (optional).
- Two-way radio communications.

The use of a full-face piece APR is approved only if the following applies:

- Substances are identified and their concentrations measured.
- Substances have adequate warning properties.
- Individual passes a qualitative fit test for the assigned respirator.
- An appropriate cartridge is selected based on the hazard.

It is particularly important that the air monitoring is effectively implemented when personnel are wearing Level C protection. No changes to the specified level of protection shall be made without the approval of the PS.

Verbal communication on site may be impeded by background noise caused by heavy equipment or the use of PPE. Accordingly, hand held radios shall be made available. If radios are not available, all individuals shall remain within sight of the project leader and hand signals shall be used between personnel within the work zone. Communications requirements shall be reviewed during the site safety meetings.

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Ford/Kingsford Site,
Kingsford, Michigan

The following hand signals shall be used in the event of an emergency where audible communication is not possible:

<u>Hand Signal</u>	<u>Meaning</u>
Hand gripping throat	Out of air, cannot breath
Gripping partner's wrist or both hands on waist	Leave area now, no debate
Hands on top of head	Need assistance
Thumbs Up	OK, I'm all right, I understand
Thumbs Down	No, Negative

6.4 Decontamination Procedures

It is the responsibility of the PS to make certain that all personnel and pieces of equipment leaving the site are properly decontaminated according to the procedures outlined in this section. All personnel exiting controlled work zones must follow decontamination procedures. Only during an emergency evacuation will personnel be allowed to leave the site before decontamination.

6.4.1 Level D Decontamination Procedures

The general decontamination procedures for workers in Level D Protection are illustrated on Figure F6-1. Gloves and outer boot covers will be washed and rinsed, if required. Steel-toed boots will also be scrubbed with decontamination solution, if required. Outer garments and Tyvek will be removed and deposited in plastic bags once they exit the hotline and prior to exiting the contamination control line. Hands and face will be washed as soon as possible.

6.4.2 Level C Decontamination Procedures

A sample decontamination procedure for workers wearing Level C Protection is illustrated on Figure F6-2. Equipment used in the exclusion zone (tools, sampling devices and containers, monitoring instruments, radios, clip boards, etc.) will be

deposited on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross-contamination. Various size containers, plastic liners, and plastic drop cloths will be required for this task. Outer boots and gloves will be cleaned with the proper decontamination solution (hexane or methanol) and detergent/water. The outer gloves and boots will be rinsed and the rinse water should be contained in plastic bucket. Boots, gloves, and outer garments are removed followed by removal of respirator. Once the respirator is cleaned for storage or placed in an appropriate container, inner gloves may be removed. Workers will wash hands and face as soon as possible.

If a worker leaves the exclusion zone to change a respirator cartridge, it is not necessary to proceed through the entire contamination reduction zone. Once the worker's cartridge is exchanged, the outer glove and boot covers are donned with joints taped, the worker may return to the exclusion zone.

At a minimum, disposable items (e.g., Tyvek coveralls, inner gloves, and latex overboots) will be changed on a daily basis. Decontamination solutions will be changed daily or as conditions require.

Small equipment shall be protected from contamination by draping, masking, or otherwise covering as much of the instrument as possible with plastic, without hindering the operation of the unit. Contaminated equipment will be taken from the drop area and the protective coverings removed and disposed in the appropriate containers. Any dirt or obvious contamination will be brushed or wiped with a disposable paper wipe. As necessary, air monitoring equipment will be placed in clear plastic bags that allow reading of the scale and operation of the knobs. The sensors or probes can be partially wrapped, keeping the sensor tip and discharge port clear.

To prevent trans-location of contaminants and inadvertent exposures to personnel, heavy equipment used in contaminated areas shall be decontaminated prior to moving to a new location and before leaving the facility. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris. Where possible, contaminated soil deposits will be removed and containerized.

- After removal of gross debris, the equipment will be steam cleaned using a high-pressure washer (e.g., Hotsy Corporation Hot-Washer Pressure Washer).
- After steam cleaning, the equipment will be allowed to dry and will be reinspected. Any remaining visible debris will be re-cleaned through additional pressure washing.
- After all debris is removed according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the close-out of the exclusion zone activities or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment wash rinsate will be containerized for proper disposal.

Inspections of equipment for release from the facility will be completed by the PM or PS. Inspections will consist of visual observations, wipe sampling and cleaning solution analysis. Inspection results will be documented in field logbooks.

The stockpile areas will be cleaned using a hot water, high-pressure washer. Decontamination wash water will be collected and sent to either the on-site water treatment system or an off-site permitted treatment / disposal facility.

6.5 Heat Stress Control and Monitoring

The PS will set work and break schedules depending on how heavy the workload is and the outside temperature. Generally, workers conducting activities in protective clothing need to break in the shade at least 10 minutes out of every hour during temperatures elevated above 70 degrees Fahrenheit (°F). Rest time will also include fluid replacement with electrolytes.

During conditions where the temperature, humidity, and solar radiation are high and the air movement is low, the following procedures will be implemented to prevent heat stress injury:

- Provide disposable cups and water. Urge workers to drink water regularly. Monitor for signs of heat stress.

- Make certain that adequate shelter is available to protect personnel against heat. If possible, set up a rest area in the shade.
- Workloads and/or duration of physical exertion will be less during the first days of exposure to heat and should be gradually increased to allow acclimatization.
- Heavy work will be scheduled during the cooler periods of the day (e.g., early morning), as possible.
- Alternate work and rest periods will be scheduled in heat stress conditions; in moderately hot conditions.

At the PS' discretion, monitoring activities for heat stress will be performed when workers are using protective clothing in elevated temperatures. Observation of the field team for signs and symptoms of heat stress which include, but are not limited to the following:

1. Pale, clammy skin progressing to hot, dry and red skin.
2. Profuse perspiration.
3. Cramps.
4. Dizziness.
5. Headaches.
6. Nausea.
7. Fainting.

Heat stress monitoring should be done at the discretion of the PS, when temperatures are greater than 90 °F or workers exhibit any indication of heat stress. A more detailed list of signs and symptoms of heat stress are summarized in Table F6-1.

6.6 Cold Stress Control and Monitoring

Persons working outdoors in temperatures at or below freezing or with increased wind chill may experience two types of cold weather-related injuries: frostbite and hypothermia. Ambient air temperature and the velocity of the wind are the two factors that influence the development of a cold weather-related injury.

Frostbite is a cold weather-related injury. Areas of the body that have high surface-area-to-volume ratios such as fingers, toes and ears, are most susceptible to frostbite. Frostbite of the extremities can be categorized into three types:

- **Frost nip or incipient frostbite:** This is characterized by skin blanching or whitening.
- **Superficial frostbite:** In this case, the skin has a waxy or white appearance and is firm to the touch, but the tissue beneath is resilient.
- **Deep frostbite:** When this occurs, the tissues are cold, pale and solid. Deep frostbite is an extremely serious injury.

Hypothermia is the second type of cold weather-related injury. Systemic hypothermia is caused by exposure to freezing or rapidly dropping temperatures. Its symptoms are usually exhibited in five stages: 1) shivering; 2) apathy, listlessness, sleepiness, and sometimes rapid cooling of the body to less than 95°F; 3) unconsciousness, glassy stare, slow pulse, and slow respiratory rate; 4) freezing of the extremities; and 5) death.

The term "wind chill" is used to describe the chilling effect of moving air in combination with low temperature. For instance, an air temperature of 10°F with a wind of 15 miles per hour (mph) is the equivalent in chilling effect of air at -18°F. As a general rule, the greatest incremental increase in wind chill occurs when a wind of 5 mph increases to 10 mph. Because of the effects of wind chill, there is a greater danger from cold-related injuries on cold, windy days, than on cold days where there is little or no wind.

Water conducts heat 240 times faster than air. Therefore, the body cools more quickly when damp or wet. Site personnel may become wet from: decontamination water, contact with on-site water (e.g., ponds, streams, etc.), precipitation or perspiration. Care should be taken to minimize the possibility of workers becoming damp or wet and if workers do become damp or wet, efforts should be made to minimize the time that the worker is exposed to the cold. If clothing beneath the PPE becomes damp, the PS will assess site specific weather conditions to determine if it is appropriate for site workers to remove protective clothing outdoors.

In general, the PS shall follow these procedures to reduce cold stress:

- Install heaters in the support zone and/or trailers to provide a warming area for site personnel if necessary.
- Rotate shifts of workers.
- Schedule work and rest periods.
- Monitor workers' physical conditions.

7. Air Monitoring

Air quality monitoring will be conducted for the identification and quantification of potential airborne contaminants generated during subsurface construction activities. Both direct-reading instruments and laboratory analysis of air samples may be used for air monitoring activities. Monitoring of methane gas, oxygen, and explosive levels in the breathing zone will be emphasized. General on-site monitoring will include visual inspection of the site to look for places where vapors may gather such as confined spaces, low-lying areas, and wind barriers such as hills or tall buildings.

7.1 Air Monitoring

Standard monitoring instruments that may be used for monitoring site conditions include combustible gas indicators (CGIs), photoionization detectors (PIDs), flame ionization detectors (FIDs), oxygen meters, colorimetric indicator tubes, and organic vapor analyzers. A MIE Data-RAM, or equivalent unit, can be used to monitor total suspended particulates. The contractor will identify specific monitoring instruments in their CHASP.

Upwind vapor levels and work zone levels should be obtained prior to initiation of activities, and should be repeated at pre-specified time intervals. An initial monitoring frequency of once per hour can be used. Once site conditions are characterized, monitoring frequency may be decreased to a frequency specified in the Contractor CHASP Monitoring Plan. Site monitoring should also be completed when site conditions change, for instance, when work begins on a different portion of the site, a different contaminant is being handled, or a different type of operation is begun.

7.2 Perimeter Monitoring

A plan for perimeter monitoring should be incorporated into the Contractor CHASP to be implemented only if on-site monitoring of activities indicates the presence of hazardous vapors. This will be used to ensure that airborne contaminants are not migrating beyond the site boundaries at concentrations harmful to human health. Initially, perimeter monitoring may be limited to particulates. If action levels for onsite monitoring with regard to particulates, VOCs, or SVOCs are exceeded, an evaluation will be made as to the extent of these impacts. If such impacts are determined to

extend to the perimeter of the exclusion zone, perimeter monitoring will be expanded to analysis of VOCs and SVOCs, and engineering controls implemented.

7.3 Organic Vapor Monitoring

Air quality in the breathing zone will be evaluated by collecting readings of organic vapor levels. Air monitoring readings will be collected periodically as specified in the Contractor CHASP and at the discretion of the PS. Observation of wind direction during investigation activities will be emphasized. The contractor will select the most suitable instrument for air monitoring purpose, considering the presence of methane in the atmosphere. An FID requires methane filtration for an actual organic vapor reading, while a PID does not detect methane. To prevent confusion among work groups working at multiple locations, a single set of action levels for organic vapors will be used.

Based on the list of chemicals of concern provided in Table F4-1, the contractor will select the chemicals that require monitoring. A plan will be presented that will include the identification and quantification of the selected constituents prior to the beginning of construction activities. Draeger gas detectors can be used for gas identification and quantification. Following initial detection of gases, the Contractor CHASP will provide levels of organic vapors at which specified actions will be required. The plan will call out specific concentrations at which field personnel will change to a higher level of PPE, or at which engineering controls will be implemented. Typical action levels are provided in Table F7-1.

The PS must be responsible for monitoring, calibrating, and maintaining the instruments. Calibrations and maintenance for all instruments should be completed in accordance to the manufacturer's recommendations. Calibrations should be recorded and the following information should be recorded in the calibration logbook to be maintained according to Section 2:

- Instrument and instrument serial number.
- Calibrant gas and lot number.
- Initial reading.
- Final Reading.

- Any adjustments or maintenance.
- Name of the person performing the adjustments or maintenance.
- Date and time.

7.4 Combustible Gas/Oxygen Monitoring

The PS shall ensure that combustible gas indicator/oxygen levels (CGI/O₂) are measured prior to entry into open excavations, sumps, confined spaces, or other sites/conditions where a flammable, combustible, or oxygen-deficient atmosphere may be present. To ensure accurate measurements, the O₂ concentration should be measured before the lower explosive limit (LEL) concentration. The Contractor will present a schedule for CGI/O₂ monitoring based on known methane issues and the contaminants of concern list in Table F4-1.

Action levels for LEL and O₂ will be identified in the Contractor CHASP. When used, CGI/O₂ meters must be maintained and calibrated before use in accordance with manufacturers' instructions.

8. Site Control

The purpose of site control is to minimize potential worker exposure to contamination, protect the public from the site's hazards, and prevent vandalism when performing construction activities. Site control is essential in emergency situations. A plan for site control will include established work zones, site preparation, use of the buddy system, established and enforced decontamination procedures for personnel and equipment, site security measures, communication networks, and safe work practices.

8.1 Site Preparation

Prior to construction activities, the site will be prepared to account for onsite hazards, site access and security, and the development of work zones. Site preparation can also be dangerous and the following steps should be taken, when applicable:

- Construct roadways to provide ease of access and a sound roadbed for heavy equipment and vehicles.
- Arrange traffic flow patterns to ensure safe and efficient operations.
- Eliminate physical hazards from the work area as much as possible, including:
 - Ignition sources in flammable hazard area.
 - Exposed underground electrical wiring and low overhead wiring that may entangle equipment.
 - Sharp or protruding edges, such as glass, nails, and torn metal, which can puncture protective clothing and equipment and inflict puncture wounds.
 - Debris, holes, loose steps or flooring, protruding objects, slippery surfaces, or unsecured railings, which can cause falls, slips, and trips.
 - Unsecured objects, such as bricks and gas cylinders, near the edges of elevated surfaces such as rooftops and scaffolding, which may dislodge and fall on workers.
- Construct operation pads for mobile facilities and temporary structures.

- Construct loading docks, processing and staging areas, and decontamination pads.
- Provide adequate illumination for work activities. Equip temporary lights with guards to prevent accidental contact.
- Install all wiring and electrical equipment in accordance with the applicable code.

8.2 Work Zones

Prevention of exposure to and spread of contaminants by activities at the site will be achieved through the establishment of work zones. Three work zones will be used including: 1) Exclusion Zone (EZ); 2) Contaminant Reduction Zone (CRZ); and 3) Support Zone (SZ). Flagging will be used to delineate each of these three zones.

8.2.1 EZ

The EZ is the area where all earthwork and clearing activities are conducted and where chemical constituents and physical hazards are potentially present. Only properly trained individuals who are wearing appropriate PPE will be allowed to enter and work in this zone. Level D PPE will be required for workers in this zone. The size of the EZ incorporates the entire area where the cover system will potentially be disturbed and adequate space for movement of heavy equipment. Personnel in the EZ should remain within sight of the PS or have radio communication with the PS.

8.2.2 CRZ

The CRZ is a transitional corridor between the EZ and the SZ. This corridor may contain wash buckets, solid waste disposal containers, brushes, and equipment drop tarps. All decontamination activities will occur in the CRZ. The CRZ has a decreasing level of contamination, moving outward. The outer boundary of the CRZ is called the contamination control line, which separates the possibly low contamination area from the clean support zone. The CRZ is also the area where equipment resupply takes place, samples are prepared prior to transport to laboratory, where rest area(s) are designated for workers (including portable toilet facilities, bench/chair, liquids and shade), and storage of emergency response equipment.

8.2.3 SZ

The SZ is the area where the field team will be when not performing site work. This area is to be used for meal breaks, eating, clean equipment storage, and staging. This zone will be located in an unaffected area and as far upwind from the EZ as practical. The SZ is also the location for administrative personnel and office equipment. A portable first aid and eye wash station and toilets will be located here.

8.3 General Work Rules

Fieldwork will be conducted only during daylight hours unless adequate artificial lighting is provided. The "buddy" system will be observed at all times when site personnel are required to wear respiratory protection.

Entry into and from the EZ will be permitted only through designated access points, except during an emergency or as authorized by the PS. Personnel entering the exclusion zone must be wearing the required minimum PPE as specified in Section 6.0.

Hands and face must be thoroughly washed as soon as possible after leaving the work area and before eating or drinking. No excessive facial hair, which interferes with a satisfactory fit of the mask-to-face seal, is allowed on personnel required to wear respiratory protection. The PS will determine if facial hair presents such interference.

Personnel assigned for on-site activities must be adequately trained and briefed on anticipated hazards, instruction on handling hazardous materials, if applicable, instruction on harmful plants, animals or insects, if applicable, equipment to be worn, safety practices to be followed, emergency procedures, and communications. Daily safety meetings will be held with field personnel prior to the start of work.

Field activities will comply with OSHA 28 CFR 1926/1910 Safety and Health Standards for the Constructive Industry. Regular inspections of the site, materials and equipment will be made by the SSO to certify compliance with Subpart C (29 CFR 1926.20) General Safety and Health Provisions. The Contractor CHASP shall be available on the site for inspection.

8.3.1 Overhead Utilities

Any overhead wire shall be considered an energized line unless the person owning that line or the electrical utility authorities verify and provide documentation that it is not an energized line and that it has been visibly grounded.

A person shall be designated to observe excavation or other equipment and to give timely warning of all operations where it is difficult for the operator to maintain the desired clearance by visual means. Parameters for minimum clearance from energized overhead lines are presented in the following table. The only acceptable method of proving inactive or de-energized state is through an effectively implemented and documented control of a hazardous energy program. Electricity in all structures shall be considered to be on until proven inactive.

Minimum Clearance From Energized Overhead Electric Lines	
Nominal System Voltage (Kilovolts)	Minimum Required Clearance (feet)
0 – 50	10
51 – 100	12
101 – 200	15
201 – 300	20
301 – 500	25
501 – 750	35
751 – 1,000	45

8.3.2 Inclement Weather

Natural phenomena, e.g., heat or cold, rain, snow, ice, and lightning, can affect work activities and increase risk. Additionally, extremes in temperature and moisture could affect the function of monitoring instrumentation and PPE. It is the responsibility of the SSO to recognize weather conditions and adjust site activities accordingly.

8.3.3 Manual Lifting

Personnel performing manual lifting shall abide by the following guidelines:

- **DO** design manual lifting and lowering out of the task and workplace. If manual lifting must be accomplished, perform it between knuckle and shoulder height.
- **DO** be in good physical shape. If you are not used to lifting and vigorous exercise, do not attempt to do difficult lifting or lowering tasks.
- **DO** think before acting. Place material conveniently within reach. Have handling aids available. Make sure sufficient space is cleared.
- **DO** get the load close to your body. Test the weight before trying to move it. If it is too bulky or heavy, get a mechanical lifting aid or somebody else to help, or both. Place your feet close to the load. Stand in a stable position with the feet pointing in the direction of movement. Lift mostly by straightening the legs.
- **DO NOT** twist the back or bend sideways.
- **DO NOT** lift or lower awkwardly.
- **DO NOT** hesitate to get mechanical help or help from another person.
- **DO NOT** continue lifting when the load is not of a manageable weight.

8.3.4 Portable Ladders

All portable ladders shall be used for their designated purposes only, and shall be constructed, maintained, and used in accordance with American National Standards Institute standards A-14.1 and A-14.2, OSHA 29 CFR 1926 Subpart X, and manufacturers' instructions. Before use, each ladder shall be inspected to verify that all parts are in good condition and all components function properly. Defective ladders shall be tagged "do not use" by the SSO.

In general, personnel shall follow these guidelines when using portable ladders:

- Set ladders on flat, firm surfaces.
- Contact both handrails of a straight ladder with the upper support.
- To prevent slippage of a straight ladder, use another person to hold the ladder in place or tie the ladder securely to the upper support.
- Retain a ratio of 4 to 1 regarding the height of extension related to the distance of the bottom of the ladder to the well or vertical plane (1 foot out for every 4 feet up).
- Extend the handrails of a straight ladder at least 36 inches above the upper support.
- Do not use metal ladders around electrical conductors.
- Do not allow a second person to use the same ladder that you are using.
- Do not stand on the top two rungs of ladder or within 3 feet of the top of the ladder.
- Position the ladder so that no more than half of your body extends beyond either handrail during the work activity.

Review ladder raising and usage techniques as applicable under the guidance of the PS.

8.3.5 Heavy Equipment Safety

Heavy equipment can present a variety of hazards. In general, the SSO shall observe the following procedures:

- Require subcontractors to provide equipment that meets the requirements of all relevant OSHA standards.
- Inspect equipment before use. At a minimum, guarding, hydraulics, hoisting, rigging, and overall condition should be reviewed. Correct deficiencies before equipment is used.

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Appendix F Former Southwest Pit Area Construction Health And Safety Plan Guideline

Ford/Kingsford Site,
Kingsford, Michigan

- Verify operator qualifications before beginning work.
- Conduct noise monitoring to ensure that personnel are adequately protected.
- Equip all equipment with operational backup alarms and a fire extinguisher.
- Review copies of all pertinent inspections before the start of work.
- Investigate any safety and health concerns arising during the course of work.

8.3.6 Driver Safety

During the performance of this work, all personnel using project vehicles shall possess a valid driver's license, passes any necessary permit, and obey all posted speed limits, traffic signs, and traffic signals.

8.3.7 Power and Hand Tools

Personnel shall use power and hand tools in accordance with the following procedures:

- Use tools only after being trained.
- Maintain tools in good condition and inspect them prior to use.
- Use electrical tools that are double-insulated or have a ground plug.
- Use tools for their intended purpose only.
- Remove unsafe tools from service.

8.3.8 Hand Protection

In addition to required PPE, field personnel shall wear protective gloves as needed when handling materials or performing other work that could result in hand injury.

Page 118 of 152
NMJ Date 10/12/2011
GL 737/749
Time 08:24:33

8.3.9 Lockout/Tagout

In accordance with 29 CFR 1910.147, the site personnel shall use lockout/tagout procedures as necessary to control employee exposure to hazardous energy sources, particularly underground and aboveground utilities and services. Subcontractors shall present their lockout/tagout procedures to the SSO.

8.3.10 Traffic Control

The PS shall coordinate all activities impacting base traffic. Unauthorized vehicles shall be controlled through the use of barricades, cones, or other warning devices.

8.3.11 Material Storage

A strategy for storage of flammable and combustible liquids, compressed gasses, and corrosives shall be presented in the Contractor CHASP.

8.3.12 Fire Prevention

To prevent the occurrence of fires on the project, the following will be completed in accordance with 29 CFR 1926.151:

- Electrical installations shall meet the requirements of Rule 408.41701 et seq. of the Michigan Occupational Safety and Health Act 29 CFR 1926, Subpart K.
- Potential sources of fire ignition shall be located away from fuel sources.
- Flammable and combustible liquids and compressed gasses shall be stored in accordance with the Construction Waste Management Plan (WMP).
- Fire extinguishers will be provided for the job-site in accordance with applicable portions of Rule 408.41851 and Rule 408.41852.

8.3.13 Inspections

Contractor will be prepared for health and safety inspections by Michigan Department of Consumer and Industry Services, Construction Safety Division or any other county or city official with authoritative power.

8.4 Site Security

The Contractor CHASP will also call out a plan to maintain site security. Site security measures are necessary during and after normal working hours to:

- Prevent exposure of unauthorized, unprotected people to the site hazards.
- Prevent vandalism and increased hazards of persons trying to dispose other waste on the site.
- Prevent theft.
- Avoid interference with safe working practices.

Security protocol provided in the Contractor CHASP will include the following provisions:

- Assign the responsibility of enforcing security measures to a person who acknowledges that responsibility.
- An identification system to identify authorized persons as well as the limitations to their approved activities.
- Post signs around the perimeter of the site.
- Secure equipment for overnight storage.
- All site visitors must be approved, signed in, and given the proper PPE.

8.5 Site Visitors

Visitors to the site will be instructed to stay outside of the EZ and remain within the SZ during the extent of their stay. Visitors will be cautioned to avoid skin contact with

Ford/Kingsford Site,
Kingsford, Michigan

potentially contaminated surfaces. During visitation, hand-to-mouth transfers will be reduced with special warnings not to eat, drink, smoke, or chew gum or tobacco. The use of alcohol during site visitation is prohibited.

Authorized visitors requiring observation of the work in the EZ must read the Contractor CHASP and sign a form stating that they have read and understand the safety protocol and will abide by it (Figure F2-4). All visitors entering the EZ must wear appropriate PPE. The Contractor CHASP should specify how site visitors will be controlled and what PPE will be provided. Access to the site by visitors shall be restricted as follows:

- All site visitors must notify the PS or his/her designee before obtaining access to a SZ.
- Site visitors entering controlled work zones will be strictly limited. The PS must approve entry and the visitor must demonstrate medical and training clearance to enter a controlled work zone and must be given site-specific training.
- All site visitor access must be clearly documented, and visitors must comply with all provisions of the Contractor CHASP.

8.6 Disposal of Material

Disposal of materials generated on-site should be in accordance with the WMP developed for the SW Pit IRAP.

9. Engineering Controls

Engineering controls are used to mitigate potential hazards that arise during construction activities. At a minimum, the following engineering controls will be included in the Contractor CHASP.

1. Water sprayers will be used to control excessive dust conditions. The Contractor CHASP will state at what levels dust suppression will be used.
2. An oxygen analyzer will be used to monitor oxygen content in the air within the EZ. If levels reduce to 19.5 percent oxygen or less in the breathing zone, work will be temporarily halted and industrial fans will be used for forced ventilation of the work area. Work cannot commence until oxygen levels in the breathing zone have normalized. In the event that oxygen concentrations increase to 23 percent or greater, work will be halted, but no ventilation will be applied. The work area will be allowed to ventilate naturally.
3. Ventilation of methane from the subsurface will be performed as described in the SW Pit IRAP.

Additional engineering control measures may be added to the Contractor CHASP where appropriate.

10. Emergency Procedures

Emergency procedures to be followed during construction activities are described in these sections. The PS will be notified of any on-site emergencies and be responsible for ensuring that the appropriate procedures are followed. An emergency report (Figure F2-6) will be completed and submitted to the site PS for each instance of employee injury or possible exposure.

10.1 Emergency Phone Numbers and Hospital Location

Emergency phone numbers (Table F10-1) will be posted at a conspicuous place in the SZ. Directions to Dickinson County Memorial Hospital are given in Table F10-1 and a map with the route to the hospital is presented as Figure F10-1. The PS will be responsible for making sure that all field personnel are familiar with the location of the hospital, and know where the emergency phone list and directions to the hospital are located.

10.2 Personnel Injury in the EZ

In the event of an injury in the EZ, all site personnel will assemble at the decontamination line. The PS will evaluate the nature of the injury and the affected person will be decontaminated to the extent possible prior to movement to the SZ. Appropriate first aid will be initiated, and contact will be made with the Dickinson County Memorial Hospital for an ambulance (if required) (Table F10-1). No person will re-enter the EZ until the cause of injury or symptoms are determined. An injury report will be created and submitted to the established authority for action (Figure F2-6).

10.3 Personnel Injury in the SZ

Upon notification of an injury in the SZ, the PM and PS will assess the nature of the injury. If the cause of the injury or loss of the injured person does not affect the performance of site personnel, operations may continue, and the appropriate first aid and necessary follow-up, as stated above, will be initiated. An injury report will be created and submitted to the established authority for action (Figure F2-6). Approved first aid kits will be kept in appropriate places on the work site. The PS will be responsible for making sure personnel are familiar with the first aid kit locations. The PS will also be responsible for the maintenance of the first aid kits.

10.4 Fire/Explosion Emergency Procedures

The threat of fire/explosion on this work site is considered high because of reported concentrations of methane gas in the subsurface. In addition, fire hazards exist in the following activities:

- Equipment refueling.
- High pressure water cleaning, fuel storage, and refueling.
- Presence of solvent contamination.

The PS will check to see that each vehicle fire extinguisher is appropriate for the fire hazard present at this site. Generally, Type A, B, and C extinguishers are appropriate, however a combination extinguisher for all fire categories is preferred. The field team will be prepared to fight small fires with extinguishers. In the event of a large fire, the field team will contact the appropriate authorities and report the fire.

10.4.1 Emergency Procedures

In an emergency, the PS (or alternate PS) will assume total control and decision making on site. In the event of a chemical spill, the release reporting procedures as detailed in the SW Pit WMP will be followed and the PS will attempt to containerize the material. In the event of a fire or explosion, the PS will take the following actions:

- Notification of site personnel and appropriate authorities.
- Shutdown site activities.
- Account for site workers at decontamination corridor.
- Evacuate the site, if necessary.

Methane in the gas state is a dangerous fire and explosion hazard when exposed to heat or flame. Care will be taken to eliminate sources of potential ignition, such as smoking, and non-explosion-proof electrical and internal combustion equipment. The use of flame devices such as cutting torches or welding equipment will only be done with approval of the PS after combustible gas monitoring. In the event of a small

methane fire, the field team will be prepared to control the fire using carbon dioxide or dry chemical.

Upon notification of an on-site fire or explosion, all site personnel shall assemble at the decontamination line. The fire department shall be alerted by calling 911 for response services. All site personnel will be moved a safe distance from the involved area.

If PPE worn by personnel fails or is otherwise altered in such a manner that the level of protection is affected, the workplace must be vacated. The person affected shall immediately leave the EZ. Re-entry shall not be permitted until the equipment has been repaired or replaced.

Field personnel must notify the PS when any on-site equipment fails to operate properly. The PS shall determine the effect of this failure on continuing operations on-site. If the failure affects the safety of personnel or prevents completion of assigned tasks, all personnel shall leave the EZ until the situation is evaluated and appropriate actions taken.

In all situations, when an onsite emergency results in evacuation, personnel shall not re-enter until:

1. The conditions resulting in emergency have been corrected.
2. The hazards have been reassessed.
3. The Contractor CHASP has been reviewed.
4. Site personnel have been briefed on any changes in the Contractor CHASP.

10.4.2 Emergency Medical Care

The following describes emergency procedures when it is suspected that a person has suffered from chemical exposure.

Dickinson County Memorial Hospital (Phone # 906-779-4555) will be contacted in an emergency. The hospital is located at 1721 Stephenson Avenue, Iron Mountain, Michigan, and a map of the route and alternate routes is attached as Figure F10-1. A

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Appendix F Former Southwest Pit Area Construction Health And Safety Plan Guideline

Ford/Kingsford Site,
Kingsford, Michigan

local ambulance service is available by calling 911. First-aid equipment (including a first-aid kit, emergency eye wash and emergency shower) will be available on site.

Skin Contact

1. Flush with water.
2. Remove clothing, if necessary.
3. Wash and rinse affected area for at least 20 minutes. Decontaminate and provide appropriate medical attention.

Inhalation

1. Move person away from area.
2. Administer CPR as needed.
3. Decontaminate and transport to hospital for medical attention (Figure F10-1).

Ingestion

1. Decontaminate and transport to hospital for medical attention.

Eye Contact

1. Irrigate with water for at least 15 minutes.
2. Decontaminate and transport to hospital for medical attention (Figure F10-1).

In the event of a serious accident/injury, the PS shall make an immediate telephone report to the PM outlining all details of the accident/injury and action(s) taken. This reporting procedure will be accomplished using the Contractor's Accident/Incident Report. The report shall include at a minimum the following information:

- Chronological history of the incident.
- Facts concerning the incident and when they became available.

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**Appendix F
Former Southwest Pit
Area Construction
Health And Safety Plan
Guideline**

Ford/Kingsford Site,
Kingsford, Michigan

- Title and names of personnel involved.
- Actions (decisions made and by whom), orders given (to whom, by whom, and when), action taken (who did what, when, where, and how).
- Possible exposure(s) of site personnel.
- History of all injuries or illnesses during or as a result of the emergency.

In the event of a spill of hazardous materials on site, the PS shall control the spill and proceed to absorb and containerize the material. In addition, the PS may conduct air monitoring to characterize exposure hazards from the incident.

Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

	Maximum Concentrations (mg/kg)	PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
ORGANICS						
VOCs						
Acefone	100	250 ppm	2,500 ppm	Inh, Ing, Con	9.69 eV	12.8%/2.5%
Benzene ¹	0.57	0.1 ppm	Ca 500 ppm	Inh, Abs, Ing, Con	9.24 eV	7.8%/1.2%
Butanone (MEK)	3.5	200 ppm	3,000 ppm	Inh, Ing, Con	9.54 eV	11.4%(200 F)/1.4%(200 F)
Carbon disulfide	1.5	1 ppm	500 ppm	Inh, Abs, Ing, Con	10.08 eV	50.0%/1.3%
Chloromethane	0.057	100 ppm	Ca 2000 ppm	Inh, Con (liq)	11.28 eV	17.4%/8.1%
Ethylbenzene	2	100 ppm	800 ppm	Inh, Ing, Con	8.76 eV	6.7%/0.8%
2-Hexanone	0.28	1 ppm	1,600 ppm	Inh, Abs, Ing, Con	9.34 eV	8%/ND
Methylene chloride	0.18	25 ppm	Ca 2,300 ppm	Inh, Abs, Ing, Con	11.32 eV	23%/13%
Methyl-2-pentanone (MIBK)	0.24	50 ppm	500 ppm	Inh, Ing, Con	9.30 eV	8.0%(200 F)/1.2%(200 F)
Naphthalene	0.93	10 ppm	250 ppm	Inh, Abs, Ing, Con	8.12 eV	5.9%/0.9%
n-Propylbenzene	0.12	None				
Toluene	9.6	100 ppm	500 ppm	Inh, Abs, Ing, Con	8.82 eV	7.1%/1.1%
Trichloroethene (also called Trichloroethylene)	0.004	25 ppm	CA 1,000 ppm	Inh, Abs, Ing, Con	9.45 eV	10.5%/8%
1,2,4-Trimethylbenzene	0.81	25 ppm	ND	Inh, Ing, Con	8.27 eV	6.4%/0.9%
1,3,5-Trimethylbenzene	0.26	25 ppm	ND	Inh, Ing, Con	8.39 eV	ND
m-Xylene	20	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.56 eV	7.0%/1.1%
o-Xylene	20	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.56 eV	6.7%/0.9%
p-Xylene	20	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.44 eV	7.0%/1.1%
SVOCs						
Acenaphthene	0.56	None				
Anthracene	5	Ca 0.1 mg/m ³	Ca 80 mg/m ³	Inh, Con	varies	varies
Benzo(a)anthracene	4.2	None				
Benzo(a)pyrene	1.7	Ca 0.1 mg/m ³	Ca 80 mg/m ³	Inh, Con	varies	varies
Benzo(b)fluoranthene	1.3	None				
Benzo(g,h,i)perylene	1.6	None				
Benzo(k)fluoranthene	1.4	None				

Footnotes on Page 4.

NMJ Date 10/12/2011
 Page 1 of 152
 GL 737/759
 Time 08:24:33

Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

	Maximum Concentrations (µg/kg)	PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
<i>SVOCs (continued)</i>						
bis(2-Ethylhexyl)phthalate	7.4	Ca 5 mg/m ³	Ca 5000 mg/m ³	Inh, Ing, Con	?	?/0.3%(474 F)
Butylbenzene-phthalate	0.066	None				
Carbazole	3.6	None				
4-Chloroaniline	0.35	None				
Chrysene	5.3	Ca 0.1 mg/m ³	Ca 80 mg/m ³	Inh, Con	varies	varies
Dibenzofuran	5.2	None				
Diethyl-phthalate	12	5 ppm	ND	Inh, Ing, Con	ND	ND/0.7%
2,4-Dimethylphenol	36	None				
Di-n-butyl-phthalate	1.3	None				
Di-n-octyl-phthalate	0.044	None				
Fluoranthene	9.7	None				
Fluorene	8.5	None				
Ideno(1,2,3-cd)pyrene	0.11	None				
2-Methylnaphthalene	19	None	None	Ing		ND
2-Methylphenol (also called o-Cresol)	71	2.3 ppm	250 ppm	Inh, Abs, Ing, Con	8.93 eV	ND/1.4%
3-Methylphenol (also called m-Cresol)	8.3	2.3 ppm	250 ppm	Inh, Abs, Ing, Con	8.98 eV	ND/1.1%
4-Methylphenol (also called p-Cresol)	8.3	2.3 ppm	250 ppm	Inh, Abs, Ing, Con	8.97 eV	ND/1.1%
Naphthalene	16	10 ppm	250 ppm	Inh, Abs, Ing, Con	8.12 eV	5.9%/0.9%
n-Nitrodimethylamine	80	None				
n-Nitrosodiphenylamine	3	None				
Phenanthrene	26	Ca 0.1 mg/m ³	Ca 80 mg/m ³	Inh, Con	varies	varies
Phenol	73	5 ppm	250 ppm	Inh, Abs, Ing, Con	8.50 eV	8.6%/1.6%
Pyrene	10	Ca 0.1 mg/m ³	Ca 80 mg/m ³	Inh, Con	varies	varies
Aldrin	0.24	0.25 mg/m ³	CA 0.25 mg/m ³	Inh, Abs, Ing, Con	ND	NA/NA
Chlorodane (gamma)	0.03	None				
4,4-DDE	0.015	None				

Footnotes on Page 4.

Page 129 of 152
 NMJ Date 10/12/2011
 GL 737/760
 Time 08:24:33

Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

	Maximum Concentrations (µg/kg)	PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
SVOCs (continued)						
Dieldrin	0.054	None				
Endrin	0.23	0.1 mg/m ³	2 mg/m ³	Inh, Abs, Ing, Con	ND	NA/NA
Endrin aldehyde	0.059	None				
Endrin ketone	0.13	None				
PESTICIDES/PCBs						
Heptachlor	0.0007	Ca 0.5 mg/m ³	Ca 35 mg/m ³	Inh, Abs, Ing, Con	?	NA/NA
Heptachlor epoxide	0.055	0.5 mg/m ³	CA 35 mg/m ³	Inh, Abs, Ing, Con	ND	NA/NA
ALCOHOLS						
Ethanol	13	1,000 ppm	3,300 ppm	Inh, Abs, Ing, Con	10.47 eV	19%/3.3%
Ethylacetate	0.7	400 ppm	2,000 ppm	Inh, Ing, Con	10.01 eV	11.5%/2.0%
Methanol	18	200 ppm	6,000 ppm	Inh, Abs, Ing, Con	10.84 eV	36%/6.0%
1-Propanol	0.8	None				
ALDEHYDES						
Acetaldehyde	20	200 ppm	CA 2,000 ppm	Inh, Ing, Con	10.22 eV	60%/4%
Formaldehyde	50	0.016 ppm	CA 20 ppm	Inh, Con	10.88 eV	73%/7.0%
Inorganic Nitrogen, Nitrate	2.4	None				
METALS						
Aluminum	9,300	2.0 ppm	ND	Inh, Ing, Con	Varies	ND
Antimony	13	0.5 ppm	50 ppm	Inh, Ing, Con	NA	ND
Arsenic	18.1	0.01 ppm	5 ppm	Inh, Abs, Ing, Con	NA	ND
Barium	320	None				
Beryllium	2.9	0.0005 mg/m ³	CA 4 mg/m ³	Inh, Con	NA	NA/NA
Cadmium	3.9	0.005 mg/m ³ (OSHA)	CA 9 mg/m ³	Inh, Ing	NA	NA/NA
Calcium	34,000	None				
Chromium	90	0.5 ppm	25 ppm	Inh, Ing, Con	NA	ND

Footnotes on Page 4.

Page 130 of 152
 NMD Date 10/12/2011
 Time 08:24:33
 137/761

Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

	Maximum Concentrations (µg/kg)	PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
METALS (continued)						
Cobalt	22	0.05 ppm	20 ppm	Inh, Ing, Con	NA	ND
Copper	4,900	1.0 ppm	100 ppm	Inh, Ing, Con	NA	ND
Cyanide	0.9	None				
Iron	84,800	5.0 ppm	2,500 ppm	Inh	NA	ND
Lead	1,700	0.05 ppm	100 ppm	Inh, Ing, Con	NA	ND
Magnesium	22,000	15.0 ppm	750 ppm	Inh, Con	NA	ND
Manganese	770	1 ppm	500 ppm	Inh, Ing, Con	NA	ND
Mercury	1.3	0.05 mg/m ³	10 mg/m ³	Inh, Abs, Ing, Con	ND	NA/NA
Molybdenum	6.5	5.0 ppm	1,000 ppm	Inh, Ing, Con	NA	ND
Nickel	101	0.015 ppm	10 ppm	Inh, Ing, Con	NA	ND
Potassium	1,470	None				
Selenium	2.6	0.2 ppm	1.0 ppm	Inh, Ing, Con	NA	ND
Silver	5.1	0.01 mg/m ³	10 mg/m ³	Inh, Ing, Con	NA	NA/NA
Sodium	298	CA (2.0 ppm)	10 ppm	Inh, Ing, Con	NA	ND
Thallium	2.2	None				
Titanium	570	None				
Vanadium	37	0.05 mg/m ³	35 mg/m ³	Inh, Ing, Con	NA	NA/NA
Zinc	757	None				
Acetic Acid	220	10 ppm	50 ppm	Inh, Con	10.66 eV	19.9/4.0

- 1 Level of protection criteria for benzene obtained from OSHA 29 CFR 1910.1028/Benzene/Z/Toxic and Hazardous Substances.
- ? Property is unknown.
- Abs Skin Absorption.
- Ca Carcinogen.
- CA NIOSH has recommended the substance be treated as a potential human carcinogen. IDLH not listed.
- Con Skin or eye contact.
- eV Electron volts.
- F Degrees Fahrenheit.
- IDLH Immediately Dangerous to Life or Health. In the event of respirator failure, one could escape within 30 minutes without experiencing any irreversible health effects.

Page 131 of 152
 NMJ Date 10/12/2011
 Time 08:24:33
 GL 737/762

Table F4-1. Chemical Constituents of Potential Concern and Health and Safety Information, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Ing	Ingestion.
Inh	Inhalation.
LEL	Lower Explosive Limit.
µg/kg	Micrograms per kilogram.
NA	Not Applicable.
ND	Not Determined.
OSHA	Occupational Safety & Health Administration .
PCBs	Polychlorinated biphenyls.
PEL	Based on 8 Hour Time-Weighted Averaged.
ppb	Parts Per Billion = µg/L.
ppm	Part Per Million = mg/L.
SVOCs	Semi-Volatile Organic Compounds.
UEL	Upper Explosive Limit.
VOCs	Volatile Organic Compounds.

References:

- NIOSH Pocket Guide to Chemical Hazards.
- Groundwater Chemicals Desk Reference Montgomery and Welkom.
- Dangerous Properties of Industrial Chemicals, Sat and Lewis.

Page 132 of 152
 NMI Date 10/12/2011

GL 737/763
 Time 08:24:33

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Table F6-1. Signs and Symptoms of Chemical Exposure and Heat Stress that indicate Potential Medical Emergencies, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Type of Hazard	Signs and Symptoms
<i>Chemical Hazard</i>	Behavioral changes Breathing difficulties Changes in complexion or skin color Coordination difficulties Coughing Dizziness Diarrhea Fatigue and/or weakness Irritability Irritation of eyes, nose, respiratory tract, skin, or throat Headache Light-headedness Nausea Sneezing Sweating Tearing Tightness in the chest
<i>Heat Exhaustion</i>	Clammy skin Confusion Dizziness Fainting Fatigue Heat rash Light-headedness Nausea Profuse sweating Slurred speech Weak pulse
<i>Heat Stroke (may be fatal)</i>	Confusion Convulsions Hot skin, high temperature (yet may feel chilled) Incoherent speech Staggering gait Sweating stops (yet residual sweat may be present) Unconsciousness

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Table F7-1. Action Levels, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Instrument	Reading	Action
PID	< 10 ppm or = 10 ppm	Level D
	>10 ppm, <50 ppm	Level C
	>50 ppm	Stop Work
MIE Miniram	<1.0 mg/m ³	Continue work
	>1.0 mg/m ³ < 2.5 mg/m ³	Level C or implement dust suppression
	>2.5 mg/m ³	Stop work
Combustible Gas Indicator	<20% or = 20% LEL	Continue Work
	>20% LEL	Stop Work. Allow to ventilate
Oxygen Analyzer	<19.5% or =19.5%	Stop work, raise oxygen content with forced ventilation
	> 23% or = 23%	Stop work, allow area to ventilate
LEL	Lower explosive limit.	
mg/m ³	Milligrams per cubic meter.	
PID	Photoionization detector.	
ppm	Parts per million.	

ARCADIS

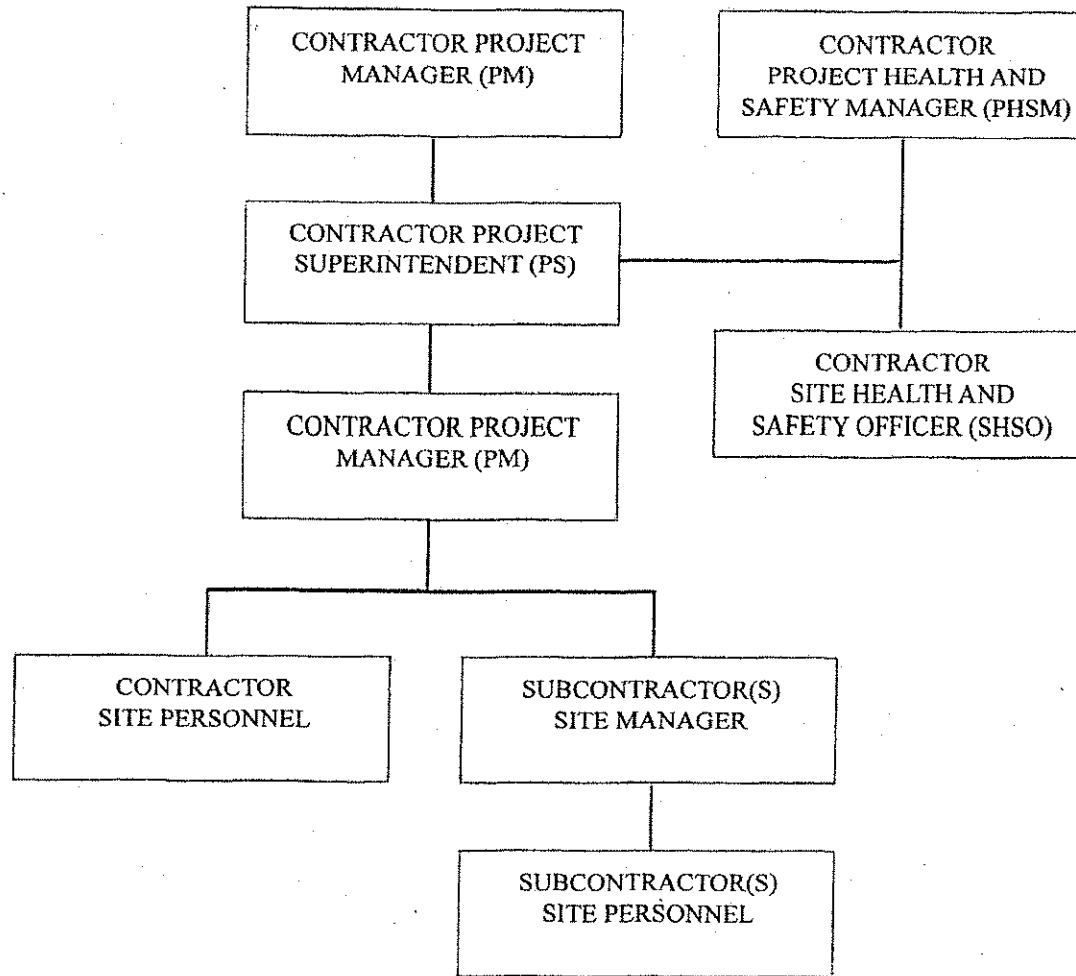
Table F10-1. Emergency Phone Numbers and Directions to Dickinson County Memorial Hospital, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Area Code	906
Police Emergency	911
Police Non-Emergency	774-2525
Fire Emergency	911
Fire Non-Emergency	774-1265
Ambulance	911
Beacon Ambulance Service	779-5050
Rescue Squad	911
Dickinson County Sheriff	774-6262
Hospital Emergency	779-4555
Hospital Non-Emergency	774-1313
Poison Control Center	1 (800) 562-9781
Toxic Substances Center for Disease Control (CDC)	1 (404) 452-4100
CDC Hotline	1 (202) 554-1404 1 (404) 329-2888
Contractor Project Manager	Insert Contact Numbers
ARCADIS Project Manager	Ric Studebaker (414) 276-7742
ARCADIS Corporate Health & Safety Manager	Sam Moyers, (423) 481-3000
Contractor Corporate Health & Safety	Insert Contact Numbers
Miss Dig	1 (800) 482-7171

Dickinson County Memorial Hospital - South US Highway 2, Iron Mountain, Michigan.

Directions to Hospital:

East on Breitung Avenue to Hydraulic Falls Road. North (left) on Hydraulic Falls Road to US Highway 2 (Stephenson Avenue). South (right) on US Highway 2 for approximately 1 mile to Dickinson Memorial Hospital.



Page 136 of 152
 NHJ Date 10/12/2011
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 Time 08:24:33



PROJECT HEALTH AND SAFETY ORGANIZATION AND REPORTING

FORMER SOUTHWEST PIT IRAP
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE
F2-1

Figure F2-2. Daily Health and Safety Meeting Form, Former Southwest Pit Area, Ford/Kingsford Site, Kingsford, Michigan.

SITE Ford/Kingsford LOCATION Kingsford, Michigan
WORK LOCATION AT SITE NE PIT
PREPARED BY _____
PROJECT MANAGER _____
TYPE OF WORK _____

SAFETY TOPICS PRESENTED

CHEMICAL HAZARDS AND EXPOSURE ROUTES _____

PHYSICAL HAZARDS AT SITE AND HAZARDS RELATED TO TYPE OF WORK _____

PROTECTIVE CLOTHING/MONITORING EQUIPMENT REQUIRED _____

_____ STEEL TOE BOOTS	_____ GLOVES (SPECIFIC TYPE)
_____ HARD HAT	_____ TYVEK
_____ SAFETY GLASSES/GOGGLES	_____ RESPIRATOR (Specify Cartridge Selection)
_____ SPECIAL EQUIPMENT	

EMERGENCY INFORMATION

AMBULANCE/PARAMEDIC PHONE () HOSPITAL ()
ROUTE TO HOSPITAL (Attach Map if Necessary) _____

ATTENDEES

MEETING GIVEN BY	DATE	TIME
SIGNATURES _____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Figure F2-5. Emergency Medical Data Sheet, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

Project: _____
Name: _____ Home Telephone _____
Address: _____

Age: _____ Height: _____ Weight: _____ Blood Type: _____

Emergency Contact: _____

Drugs or other allergies: _____

Particular sensitivities: _____

Do you wear contacts? _____

Provide checklist of previous illnesses. _____

Have you ever had any previous exposures to hazardous chemicals? Please Detail.

What medications are you currently using? _____

Do you have any medical restrictions? Please detail. _____

Name, address, and phone number of personal physician: _____

Figure F2-6. Emergency Report Form, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

1. DATE _____

2. TIME OF ACCIDENT _____
CLIMATIC CONDITIONS _____

3. ON-SITE COORDINATOR _____

4. EMPLOYEE INJURED _____

5. COMPANY AFFILIATION _____

6. SOCIAL SECURITY NUMBER _____

7. INSURANCE COMPANY _____

8. NUMBER OF WORKERS AT SITE _____
NAMES OF WORKERS _____ COMPANY AFFILIATION _____

_____	_____
_____	_____
_____	_____
_____	_____

9. CIRCUMSTANCES OF THE INJURY/EMERGENCY ACTION _____

10. EMERGENCY ACTIONS TAKEN _____

11. WAS FIRST AID PROVIDED? _____

12. WAS AN EMERGENCY PHONE CALL MADE TO THE PROJECT
SAFETY OFFICER? _____
IF SO, TIME: _____

13. AMBULANCE SERVICE USED _____

14. HOSPITAL USED _____

15. ATTENDING PHYSICIAN _____

16. COMPANY REPRESENTATIVE CONTACTED _____

17. CONTRACTOR REPRESENTATIVE CONTACTED _____

Figure F2-7. CHASP Approvals, Former Southwest Pit IRAP, Ford/Kingsford Site, Kingsford, Michigan.

By their signature, the undersigned certify that this CHASP is approved and will be utilized for operations to be conducted under this plan.

Contractor Project Manager

Date

Contractor Project Superintendent

Date

Contractor PHSM

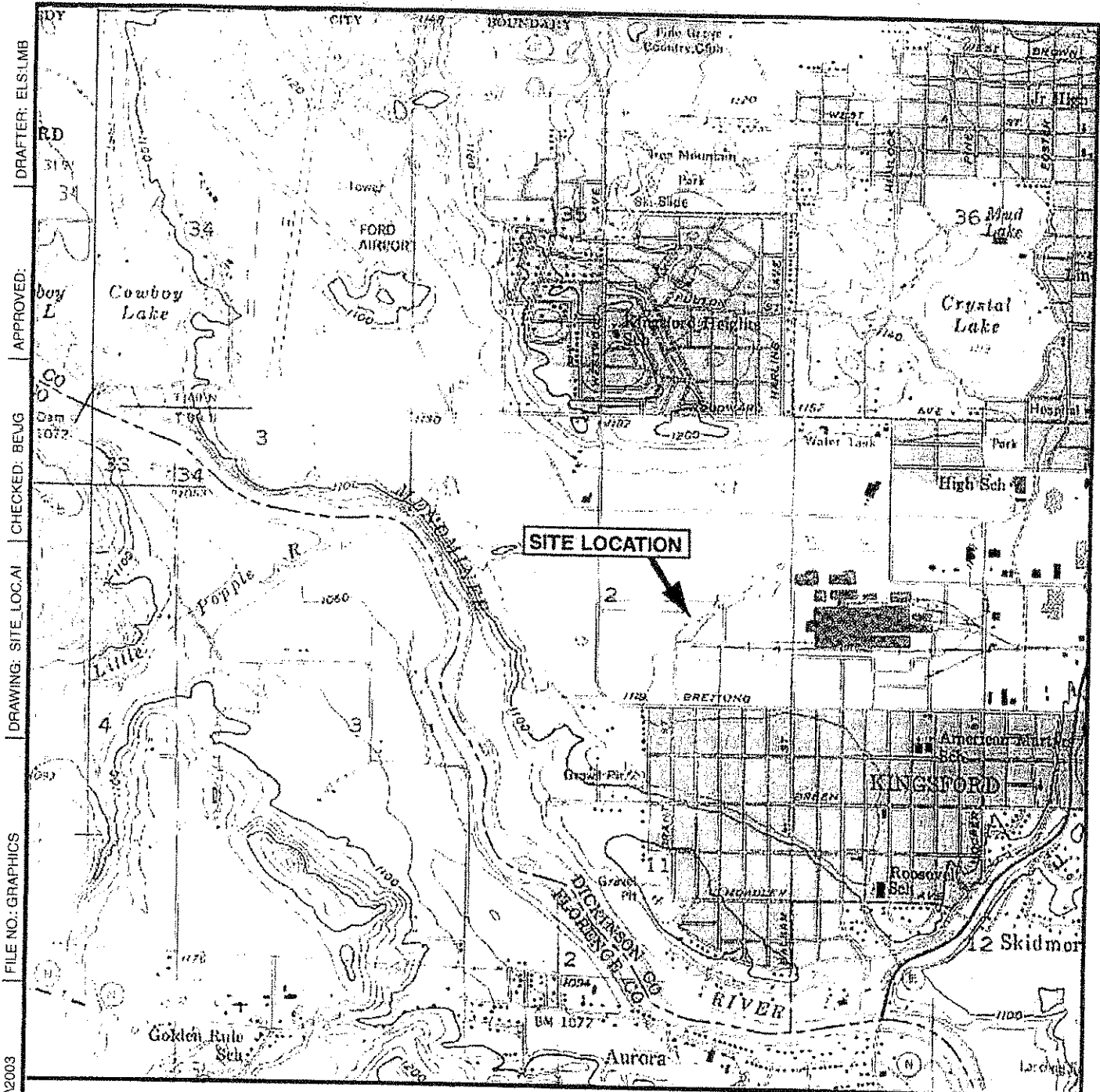
Date

Owner

Date

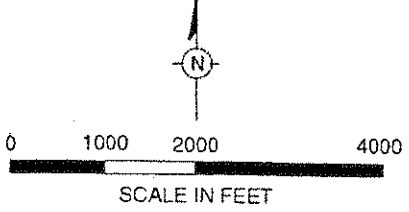
Contractor Occupational Safety and
Health Representative

Date



DRAFTER: ELS:LMB
 APPROVED:
 CHECKED: BEJG
 SITE.LOC.A1
 DRAWING:
 FILE NO.: GRAPHICS
 PN: FORDW106372003
 UWG DATE: 06FEB03

SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982



MICHIGAN



SITE LOCATION MAP

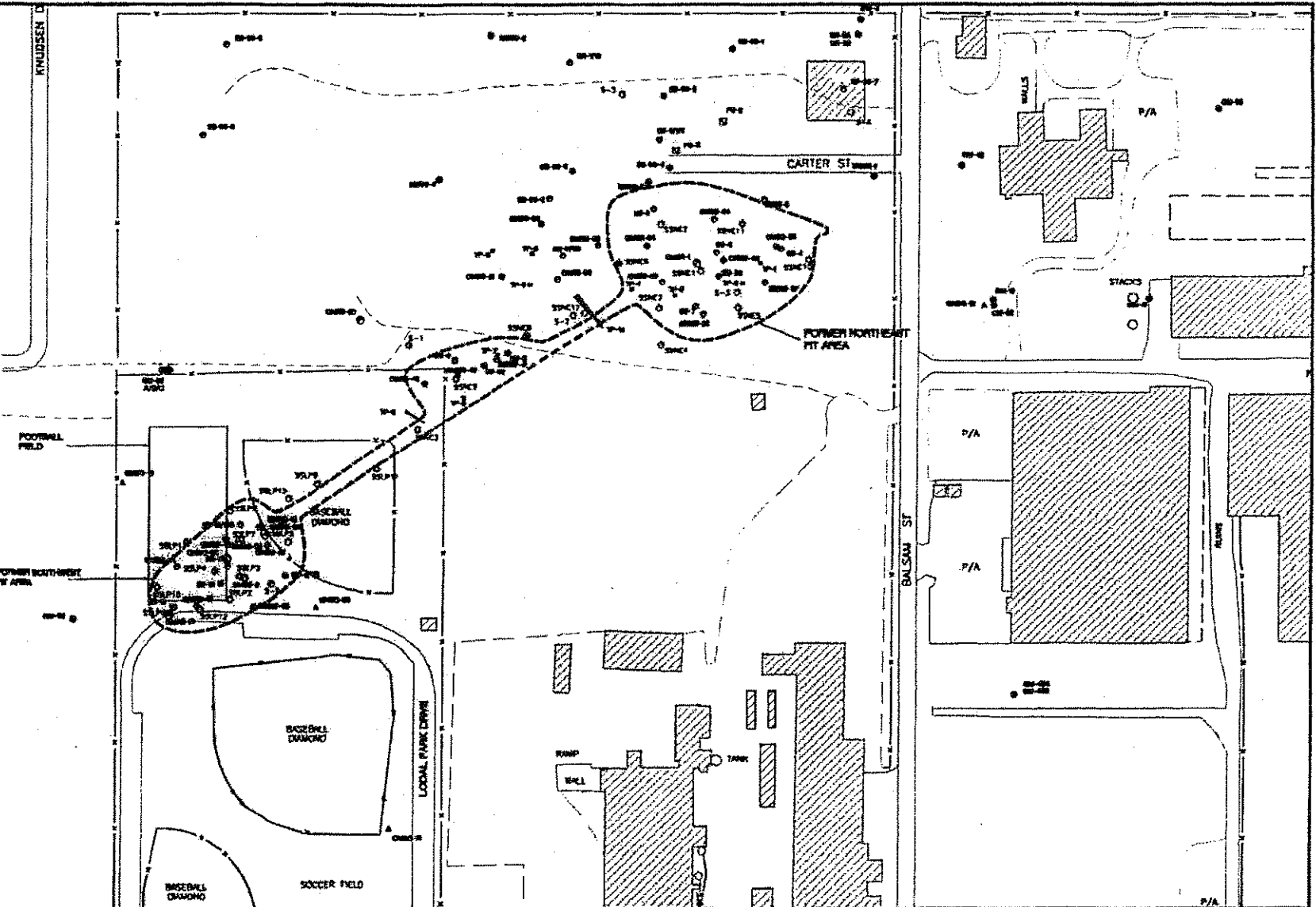
FORMER SOUTHWEST PIT AREA
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE

F3-1

- NOTES**
1. MONITOR DATA BASED ON MICHIGAN STATE PLUMBING CODE/REGULATORY SYSTEM.
SITE OF INVESTIGATION: SOUTH PT
AIRSIDE AERIAL SURVEY CORPORATION | 2004-2
 2. ACCURACIES NOT GUARANTEED IN OBTAINED AREAS SHOWN BY DOTTED CONTOURS AND UNDERLINED ELEVATIONS

- LEGEND**
- MONITOR WELL LOCATION
 - SOIL BORING LOCATION
 - FORMER TEMPORARY MONITOR WELL LOCATION
 - SOIL GAS PROBE
 - ⊙ SOIL GAS PROBE/EXTRACTION POINT
 - ⊕ TEST PIT LOCATION
 - SURFACE SOIL SAMPLE LOCATION
 - FORMER SPECIAL PIT LOCATIONS BASED ON HISTORICAL AERIAL PHOTOS
- PROPERTY LINE**
- - - FENCE
 - == ROADWAYS
 - ▭ BUILDING
 - TIRAL OR PATH
 - P/A PARKING AREA
 - ATHLETIC FIELD

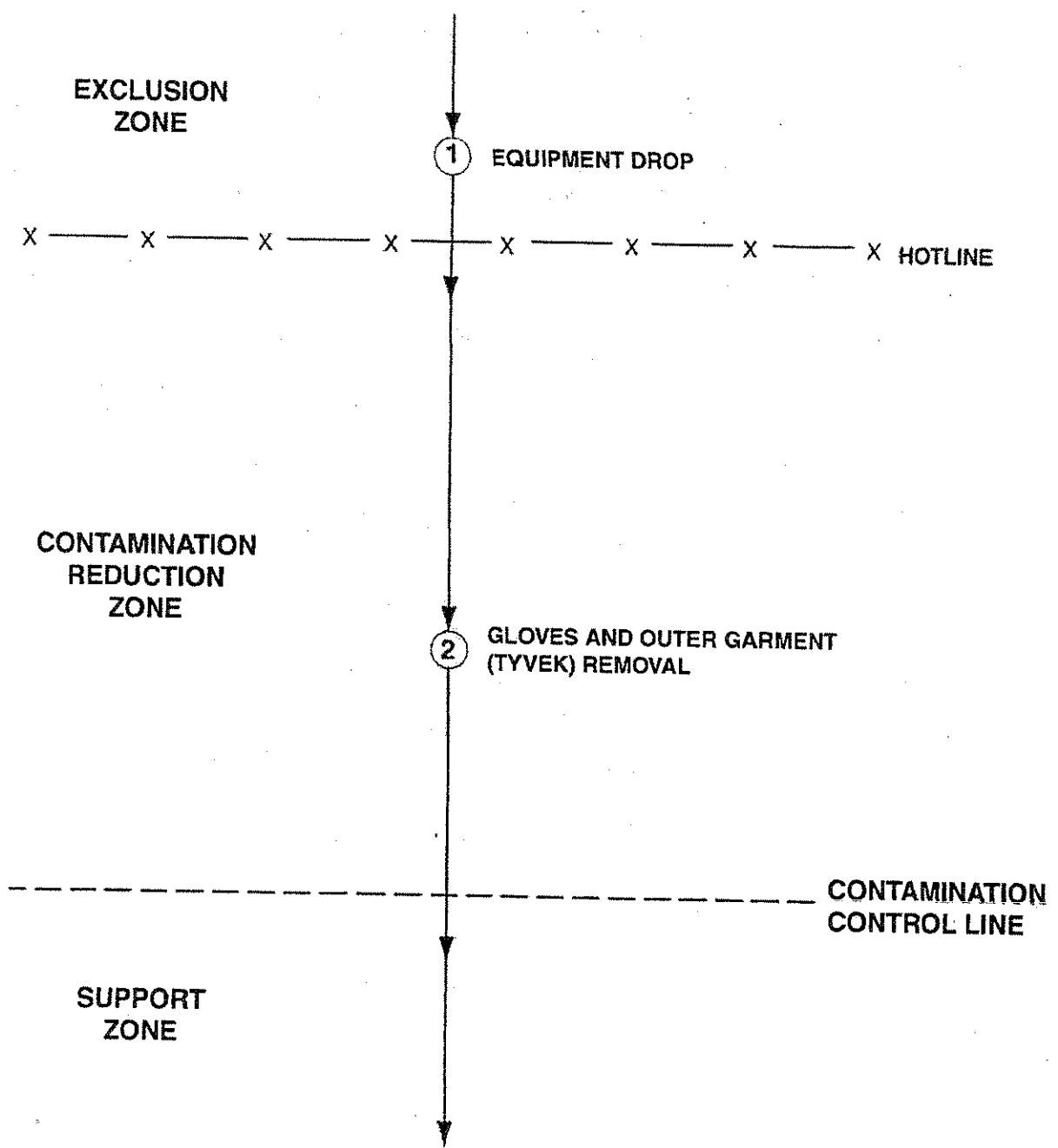


Page 144 of 152
 NMD Date 10/12/2011
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 Time 08:24:33

	FORMER SOUTHWEST PIT MAP FORD/KINGSFORD SITE KINGSFORD, MICHIGAN	DRAWN BY: [blank]	DATE: 1/26/2011	PROJECT MANAGER: [blank]	DEPARTMENT MANAGER: [blank]
		SITE PLAN VIEW	LEAD DESIGNER: [blank]	DESIGNER: [blank]	CHECKER: [blank]
		PROJECT NUMBER: W00950.0005	TITLE: [blank]	DATE: [blank]	DRAWN BY: [blank]
		REVISION: [blank]	DATE: [blank]	REVISION DESCRIPTION: [blank]	BY: [blank]

FOR PERSONAL ACTIVITY—DO NOT REPRODUCE

DRAWING: MOD_DAI | CHECKED: KMLBIKJG | APPROVED: | DRAFTER: ELS: LMB
FILE NO.: GRAPHICS | PN: FORDW106372003 | DWG DATE: 06FEB03

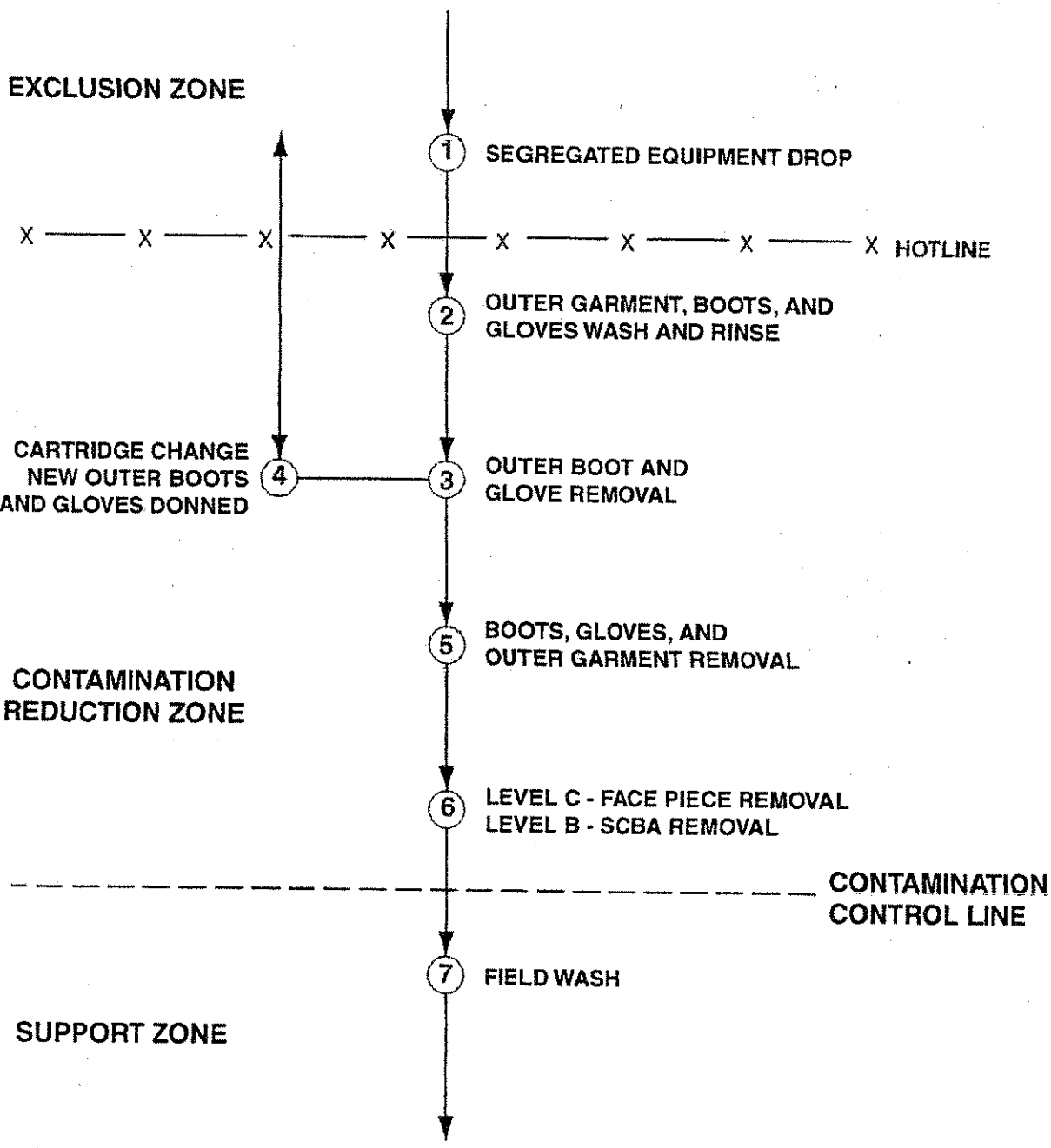


**MINIMUM DECONTAMINATION LAYOUT
LEVEL D PROTECTION**

FORMER SOUTHWEST PIT IRAP
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE

F6-1

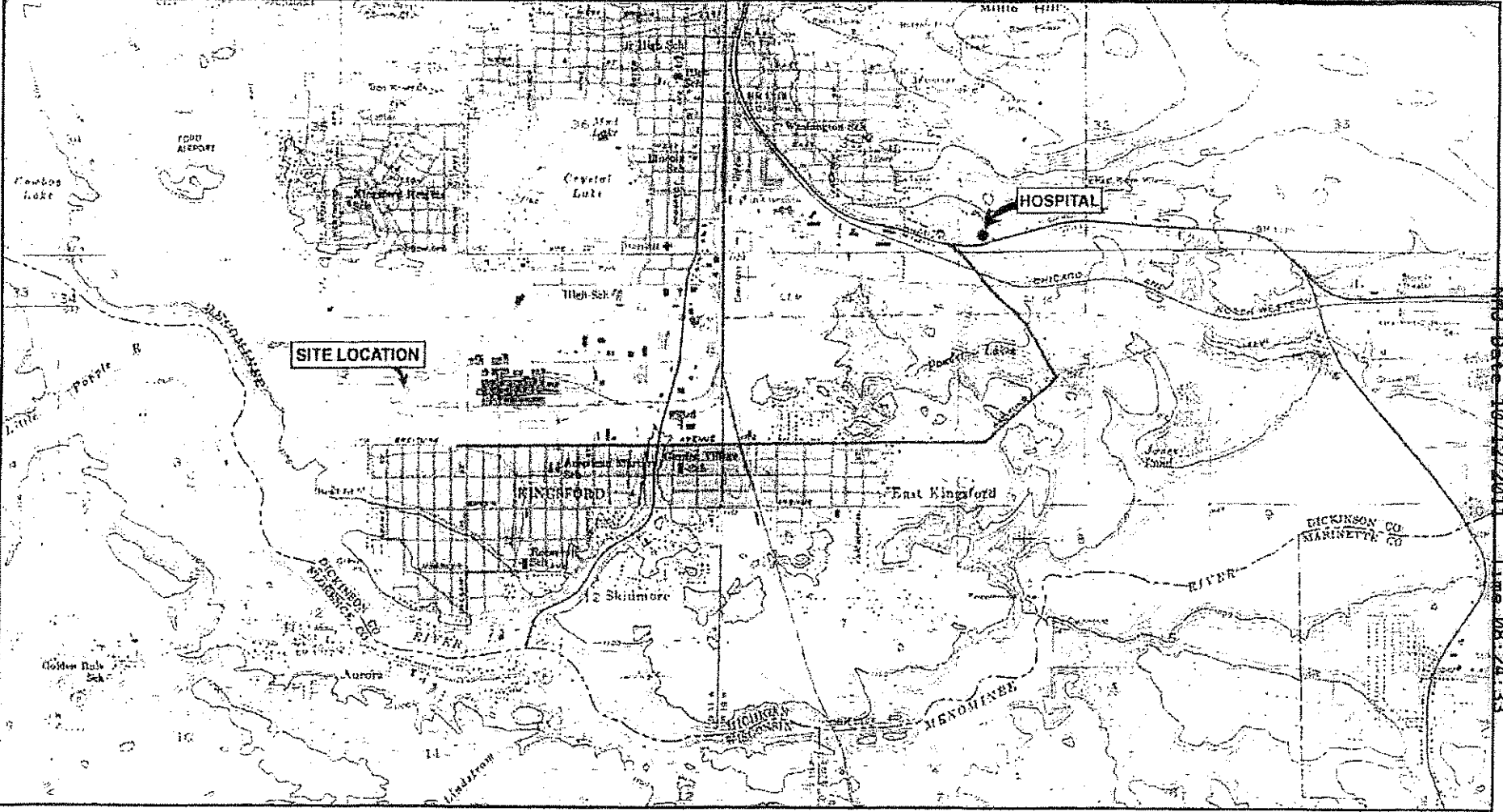


**MINIMUM DECONTAMINATION LAYOUT
LEVEL C PROTECTION**

FORMER SOUTHWEST PIT IRAP
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

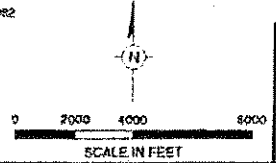
FIGURE
F6-2

DRAFT: ELSUMB | APPROVED | DIRECTION: KIMBROUGH | DRAWING: ROUTE-A | FILE NO: 08FEB03 | DWG DATE: 08FEB03



SOURCE USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICH.-WIS. Quadrangle, 1955, Photorevised 1982

Route to Hospital: East on Hydraulic Park Road to Hydraulic Park Road
 North on Hydraulic Park Road to U.S. Highway 2 (Stephenson Avenue)
 South on U.S. Highway 2 to Dickinson County Memorial Hospital

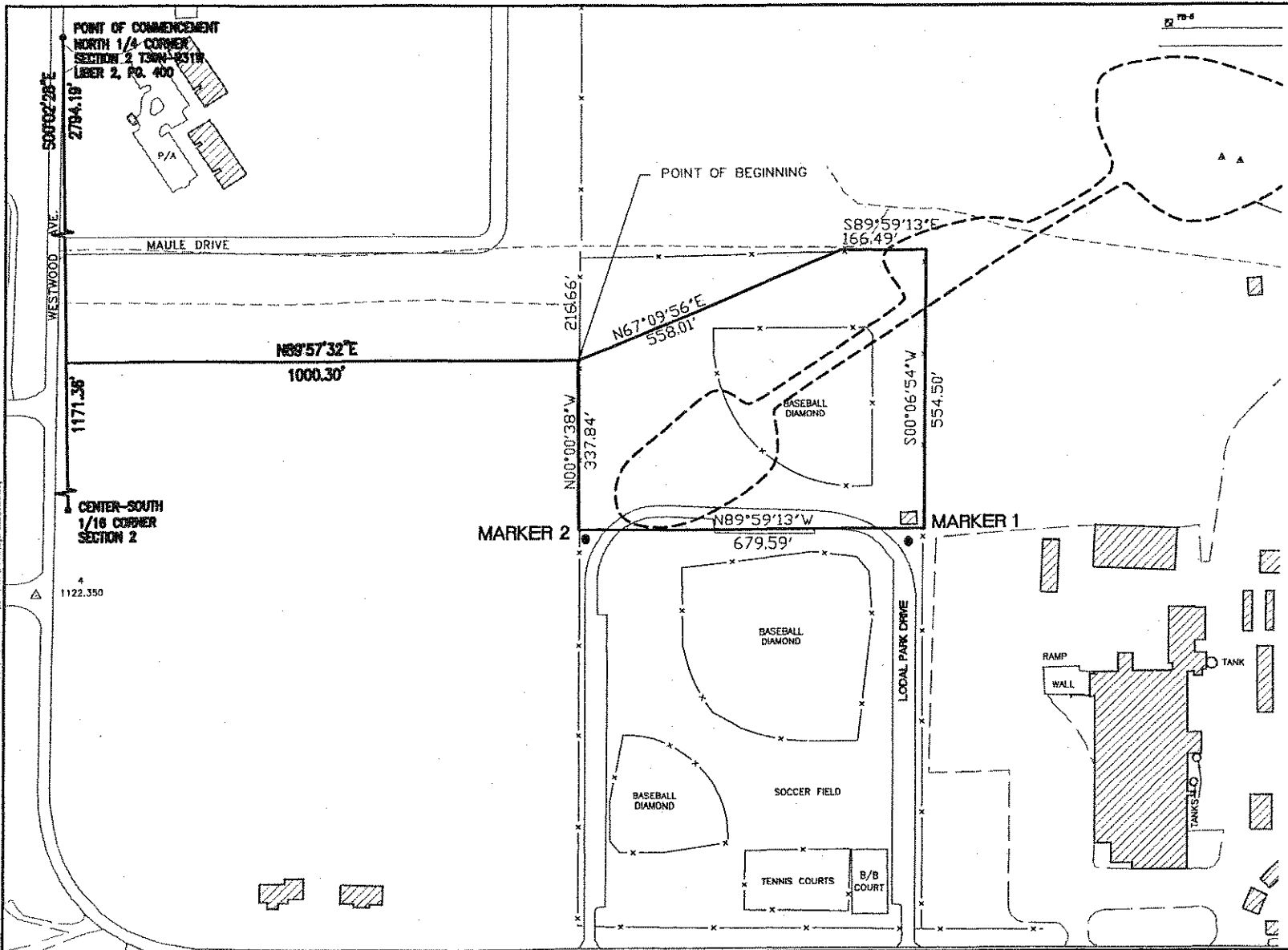


ROUTE TO HOSPITAL
 FORMER SOUTHWEST PIT IRAP
 FORDKINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE
F10-1

EXHIBIT G

PERMANENT MARKER DETAILS

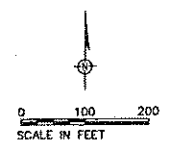


NOTES
 1. HORIZONTAL DATUM BASED ON MICHIGAN STATE PLANE
 COORDINATE SYSTEM
 DATE OF PHOTOGRAPHY: 05/04/97
 ABRAMS AERIAL SURVEY CORPORATION # 26994.2


LEGEND
 - - - - - FORMER DISPOSAL PIT BOUNDARIES
 - - - - - BASED ON HISTORICAL PHOTOS/AERIAL
 - - - - - FENCE
 - - - - - ROADWAYS
 - - - - - TRAIL OR PATH
 - - - - - PROPERTY LINE
 - - - - - FOOT PRINT OF COVER SYSTEM

A PARCEL OF LAND BEING PART OF THE S 1/2 OF THE NE 1/4 AND THE NE 1/2 OF THE SE 1/4 OF SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS FOLLOWS:

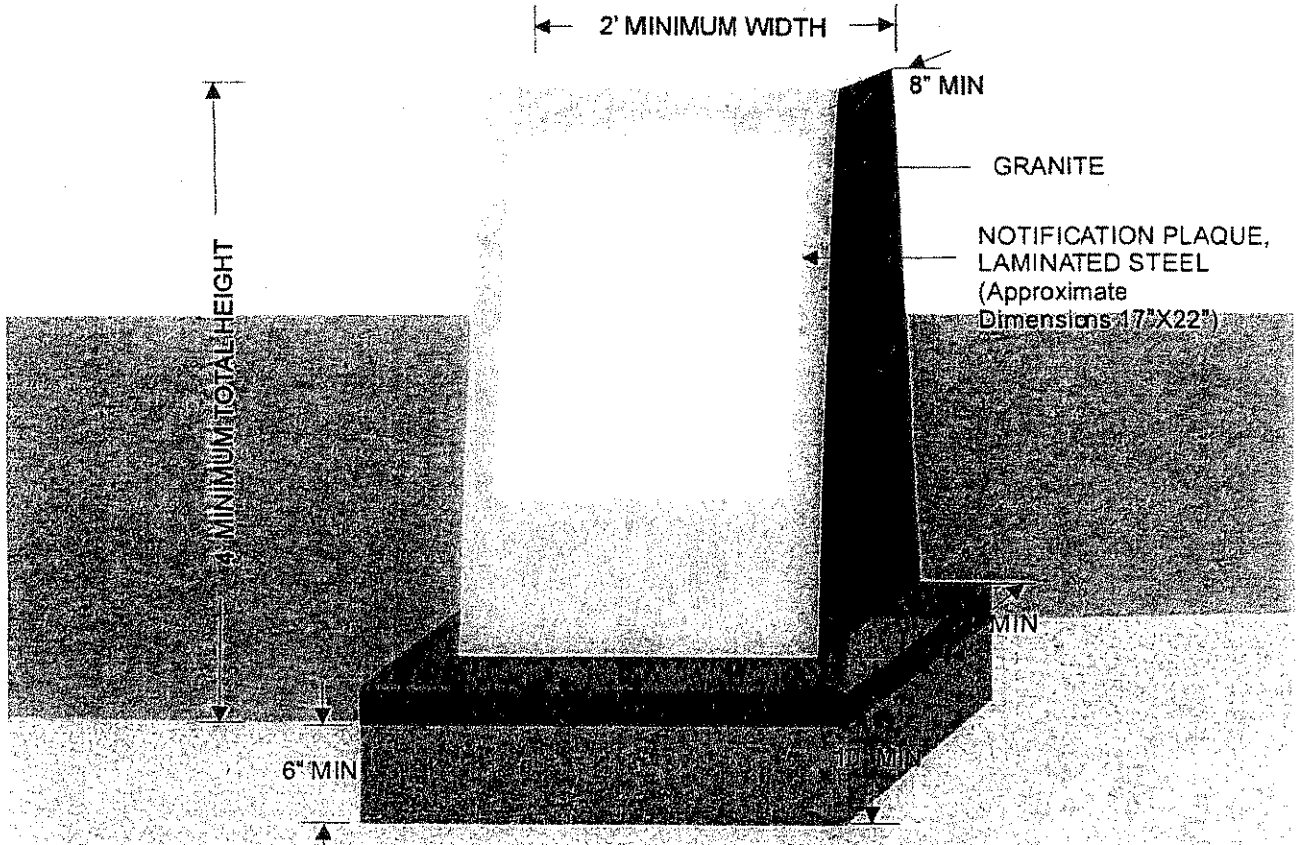
COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 2; THENCE 500°02'28"E, 2794.19' ALONG THE NORTH-SOUTH 1/4 LINE OF SECTION 2; THENCE N89°57'32"E, 1000.30' TO THE POINT OF BEGINNING; THENCE N67°09'56"E, 558.01' THENCE S89°59'13"E, 166.49'; THENCE S00°06'54"W, 554.50'; THENCE N89°59'13"W, 679.59'; THENCE N00°00'38"W, 337.84' TO THE POINT OF BEGINNING CONTAINING 7.3796 ACRES AND SUBJECT TO RESTRICTIONS, RESERVATIONS, RIGHTS-OF-WAY AND BASEMENTS OF RECORD.



Copyright © 1998
 3901 Northwood Kingsford, Suite 120
 Grand Rapids, Michigan 49508
 Tel: 616/961-1821 Fax: 616/961-2599
 www.arcadisusa.com

NO. DATE REVISION DESCRIPTION BY CKD		ARCADIS <small>3901 Northwood Kingsford, Suite 120 Grand Rapids, Michigan 49508 Tel: 616/961-1821 Fax: 616/961-2599 www.arcadisusa.com</small>		FORMER SOUTHWEST PIT IRAP FORD/KINGSFORD SITE KINGSFORD, MICHIGAN	DRAWN: CES DATE: 4/20/04	PROJECT MANAGER: MS LEAD DESIGN PROF.: BJ PROJECT NUMBER: W001275	DEPARTMENT MAN: JR FIGURE: G1
LEGAL DESCRIPTION RESTRICTIVE COVENANT				W001275 G1			

DWG DATE: 14SEP11 | PN: FORDW0637CJ2011 | FILE NO.: GRAPHICS | DRAWING: PERMANENT MARKER DESIGN.A1 | CHECKED: RLS | APPROVED: | DRAFTER: LMB



Page 150 of 152 GL 737/781
NMJ Date 10/12/2011 Time 08:24:33

NOT TO SCALE

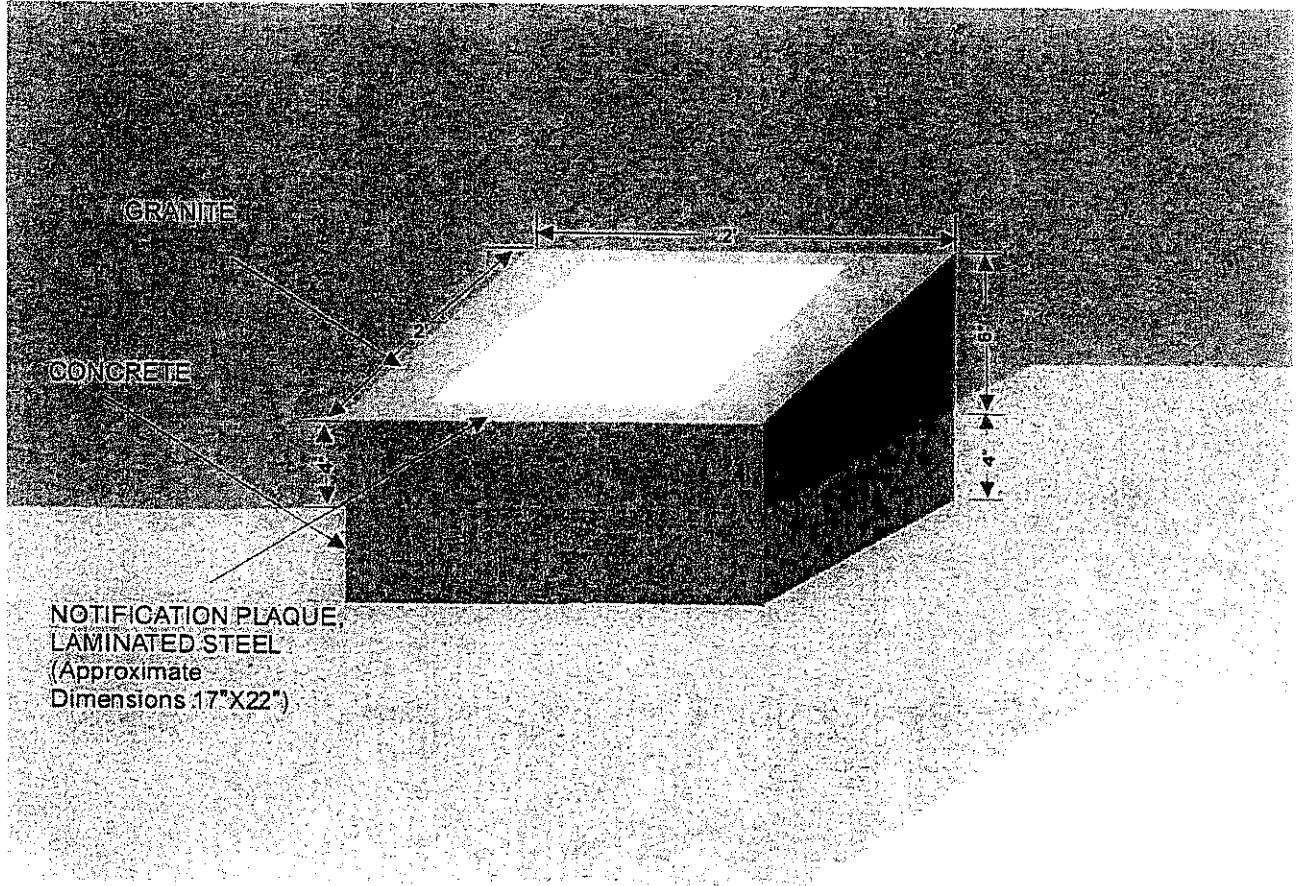


PERMANENT MARKER DESIGN

FORD-KINGSFORD PRODUCTS
KINGSFORD, MICHIGAN

FIGURE

G2



NOT TO SCALE



SMALL MARKER DESIGN

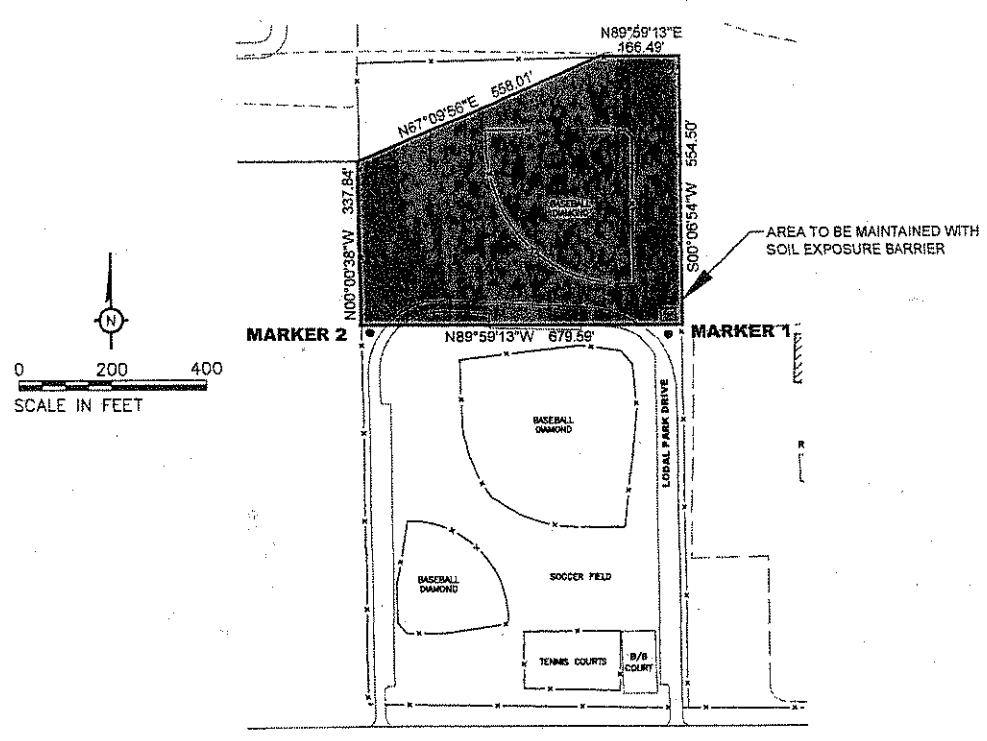
FORD-KINGSFORD PRODUCTS
KINGSFORD, MICHIGAN

FIGURE

G2A


User Name : s...
 Acad Version : R18.0a (LMS Tech)
 © 2005 ARCADIS CAN, INC.
 Current Plotstyle : Bicolor
 Date/Time : Wed, 14 Sep 2011 - 9:59am
 Page Setup :
 Plot Name : A-TEST-BLACKGRAY.ctb
 Layout Tab: WITH TBLOCK G3A
 Path Name : C:\project\FORD\W00037\2011\codes\SW PA\markers2.dwg

Page 152 of 152
 Date 10/12/2011
 Time 08:24:33
 GL 737/783



NOTICE

Soil exposure barriers are in place in the areas identified above to prevent contact with underlying soils. Soil from these areas may not be relocated without further evaluation. Details about these property restrictions may be found at the Dickinson County Register of Deeds, Liber ___, Page ___.

 www.arcadis-us.com	PROJECT MANAGER M. MAIERLE	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
	SHEET TITLE NOTIFICATION SIGN DISPLAY		TASK/PHASE NUMBER 0005.00001	DRAWN BY C. MCKEOUGH
	FORD/KINGSFORD SITE KINGSFORD, MICHIGAN		PROJECT NUMBER W1001275	DRAWING NUMBER G3

Former Riverside Disposal Area Declaration of Restrictive Covenant

2012 JAN 30 PM 12: 25

AFFIDAVIT AFFECTING REAL PROPERTY

(This Affidavit is recorded pursuant to 1915 P.A. 123, as amended)

Angela C. Hilt, being first duly sworn, deposes and states as follows:

1. This Affidavit of Interest is based upon personal knowledge.
2. My address is 1221 Broadway, Oakland CA.
3. I am the Vice President and Corporate Secretary of The Kingsford Products Company LLC ("KPC"), a Delaware limited liability company.
4. KPC has been granted an interest in the property described in Attachment 1 (the "Property") pursuant to a Restrictive Covenant recorded on at Liber 695, Page 1, Dickinson County Register of Deeds. Exhibit D of the Restrictive Covenant is an Operation & Maintenance Plan (the "O&M Plan").
5. Section 4 of the Restrictive Covenant includes the following language:

Exhibit F may be amended and/or modified from time to time, and if so, a revised Exhibit D will be recorded with the Register of Deeds to reflect such amendments or modifications. The submission of a revised Exhibit D shall not require approval or an amendment to this Restrictive Covenant.
6. The O&M Plan has been modified, and KPC is exercising its right to record the modified O&M Plan as a revised Exhibit D, pursuant to the terms of the Restrictive Covenant. The revised Exhibit D is included as Attachment 2 to this Affidavit of Interest.
7. This Affidavit of Interest has been executed and recorded for the purposes of recording the revised Exhibit F and giving further record notice of the revisions.
8. This Affidavit is made pursuant to MCL Section 565.451a, specifically MCL Section 565.451a(b) and (e).

Dolly Cook 20P
Dickinson County
Page 1 of 20 GL 744/581
NMJ Date 01/31/2012 Time 09:57:03

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

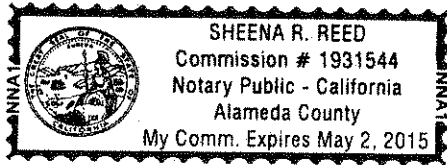
County of Alameda

On January 25, 2012 before me, Sheena R. Reed, Notary Public, Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Angela C. Hilt Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.

Handwritten signature of Sheena R. Reed, Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Affidavit Affecting Real Property

Document Date: January 25, 2012 Number of Pages: 2

Signer(s) Other Than Named Above: None

Capacity(ies) Claimed by Signer(s)

Signer's Name: Angela C. Hilt

- Individual
Corporate Officer (checked)
Title(s): Vice President - Secretary
Partner - Limited General
Attorney-in-Fact
Trustee
Guardian or Conservator
Other:

Signer's Name:

- Individual
Corporate Officer
Title(s):
Partner - Limited General
Attorney-in-Fact
Trustee
Guardian or Conservator
Other:



Top of thumb here

Signer Is Representing:

The Kingsford Products Company LLC



Top of thumb here

Signer Is Representing:

LEGAL DESCRIPTION OF PROPERTY

A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF THE NORTHWEST QUARTER OF SECTION 2 TOWNSHIP 39 NORTH, RANGE 31 WEST, CITY OF KINGSFORD, COUNTY OF DICKINSON, STATE OF MICHIGAN DESCRIBED AS:

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 2; THENCE S00°02'28"E, 2278.56' ALONG THE NORTH-SOUTH 1/4 LINE OF SECTION 2; THENCE S89°57'32"W, 1344.90' TO A POINT 0.50' NORTHEAST OF THE NORTHEAST RIGHT-OF-WAY LINE OF EVERGREEN COURT BEING THE POINT OF BEGINNING; THENCE N34°40'59"W, 430.33' PARALLEL TO THE NORTHEAST RIGHT-OF-WAY LINE; THENCE N54°32'10"E, 444.02'; THENCE N90°00'00"E, 230.32'; THENCE S35°27'49"E, 296.66'; THENCE S54°32'12"W, 637.47' TO THE POINT OF BEGINNING CONTAINING 5.9803 ACRES AND SUBJECT TO RESTRICTIONS, RESERVATIONS, RIGHT-OF-WAY AND EASEMENTS OF RECORD.

ATTACHMENT 2

REVISED EXHIBIT D TO
RESTRICTIVE COVENANT RECORDED AT GL 695/1



Imagine the result

Operation and Maintenance (O&M) Plan

**Riverside Disposal Area
Kingsford, Michigan**

**Prepared for:
Ford - Kingsford Products Facility**

Introduction	1
Objectives	1
Site Background	2
Performance and Compliance Monitoring Plan	2
Maintenance of the Surface Cover	2
Inspection	3
Erosion Prevention	3
Cover Effectiveness	4
Maintenance Schedule	4
Contingency Plan	5
Contingency Plan – Response	5
Contingency Plan – Procedures	5
Identification of Materials and Assessment of Possible Hazards	5
Assessment and Control Procedures	5
Reporting Requirements	5
Records Retainage	6
O&M Records	6
Reporting	6

Table

1. Facility Inspection Activities, Riverside Disposal Area, Ford-Kingsford Products Facility, Kingsford, Michigan.

Figures

1. Site Location, Ford-Kingsford Products Facility, Kingsford, Michigan.
2. Cover System Footprint Riverside Disposal Area, Ford-Kingsford Products Facility, Kingsford, Michigan.

Appendix

- A. Example Inspection Forms, Ford-Kingsford Products Facility, Kingsford, Michigan.

Introduction

This Operation and Maintenance (O&M) Plan has been prepared for the former Riverside Disposal Area (RDA) of the Ford – Kingsford Products Facility in Kingsford, Michigan (Figures 1 and 2). The O&M Plan describes the activities necessary for ensuring the effectiveness of the completed cover system response action.

The primary focus of the response action is to prevent direct contact with impacted soils/waste materials that are left in place beneath the cover system.

This O&M plan may be revised as necessary to comply with the Remedial Action Plan objectives. The revisions will not change the overall purpose or intent of the O&M plan and will thus not require a revised plan to be recorded with the Dickinson County Register of Deeds. Nor will revisions to this O&M plan approved by the Michigan Department of Environmental Quality (MDEQ) be considered RAP revisions pursuant to the Consent Judgment.

Objectives

The objective of this O&M Plan is to describe procedures for maintenance and monitoring of the engineered cover system at the RDA. This plan is prepared to guide field personnel on maintenance procedures for the cover system to maximize effectiveness of the remedy. Implementation of the O&M plan will provide for protection of human health and the environment achieving the following objectives:

- Verify that the cover system is in-place and in good condition in the area that is subject to the restrictive covenant.
- Inspect and document that the restrictive covenant is implemented and observed. These restrictions include:
 - Limit land use to recreational.
 - Maintain the current cover system in place at the former RDA.
 - Prohibit excavation or penetration through the existing cover system.
 - Promote drainage and minimize erosion or abrasion of the cover.

Elements of this plan address the following:

- Site Background
- Performance and Compliance Monitoring Program
- Contingency Plan
- Reporting Requirements

Site Background

The RDA is located approximately 600 feet south of the western end of Pyle Drive and approximately 1,400 feet west of Westwood Avenue in the City of Kingsford, Dickinson County, Michigan (Figure 1). The RDA is contained within property owned by the city of Kingsford and is zoned for residential use (recreational). The soil cover system was constructed to accomplish the Remedial Objective of protection of human health and the environment from direct contact with waste materials remaining in place. The completed surface of the cover system was designed as a youth soccer field. The RDA cover system is comprised of soil fill, topsoil and covered by a vegetative layer. The thickness of the cover system is a minimum of 18 inches of fill and 12 inches of topsoil, while the area outside the soccer field playing surface is covered by a minimum of 24 inches of fill and 6 inches of topsoil. The O&M activities focus on maintaining the constructed soil cover in good condition.

Performance and Compliance Monitoring Plan

Routine care of the surface cover provides a mechanism to inspect and repair minor surface disruptions as necessary. Maintenance of the cover system integrity as a whole, the barrier between waste material and the surface, is the measure of satisfactory performance. Prompt repair of minor surface issues adequately provides remedial protection while allowing for normal maintenance. The details of inspection and repair are described in the subsequent sections.

Maintenance of the Surface Cover

On-site care for the surface cover will include:

- Visual inspection of the site to identify disruptions of the surface cover such as cracking or desiccation.



- Monitoring for settlement, maintenance of the final cover depending on the results of inspection.
- Maintaining vegetation of the surface cover and immediately adjacent areas.
- Inspection and erosion control and prevention.

Table 1 summarizes the specific O&M activities and inspection frequencies for the RDA cover system.

Inspection

On-site inspection activities will be performed and documented as identified in this O&M Plan. A site log book and/or project database will be maintained containing site visits, corrective action forms submitted, and any corrective actions taken. The appearance of the surface cover will be recorded on a standard inspection form. For each inspection, forms will be used to record findings, unusual conditions, and any corrective action. Examples of the inspection forms are included in Appendix A. These example inspection forms may change in format throughout the O&M period; however, the substance will remain the same. Conditions requiring corrective action will be rectified and the repair will be documented on a Corrective Action Form. Table 1 summarizes the specific O&M inspection activities and frequencies.

Erosion Prevention

The cover system surface layer is vegetated with either grass or native plants. The edge of the cover is adjacent to Evergreen Court. Erosion control will entail the confirmed maintenance of these areas as required to prevent erosion.

The surface cover stormwater outfall, the adjacent stormwater pond and stormwater ditches must be reasonably clear of debris or overgrown vegetation that may inhibit or block the flow of runoff, or of excessive siltation. These structures will be inspected annually. In addition to the standard frequency, inspections may be conducted after extreme weather events (e.g., tornadoes, 10-year/24-hour precipitation events).

Inspections of the surface cover and its drainage features will include the following: obstructions to flow; erosion; excessive siltation or debris; inadequate vegetation; and loose or missing riprap. Should any vegetated area show significant washout or gullyng (greater than 4 inches), the eroded area will be filled when the weather conditions permit or within 30 days, whichever occurs first. If results of the inspection

indicate that any drainage patterns have changed resulting in ponding or excessive run-off, the affected area will be appropriately repaired to re-establish correct flow direction. Any significant accumulation of sediment in the drainage system will be removed. If greater than 20 percent of the planned vegetated surface is devoid of vegetation, the area will be re-vegetated as weather conditions permit. If recreational surfaces show visible signs of breakdown, they will be repaired consistent with their design. Steps will be taken to verify that drainage pathways are maintained throughout the O&M period. Baiting for rodents and treatment for burrowing animals will also be administered if the need is observed during inspection. In the event that any of these occurrences are observed, the following will be implemented to repair the area in question. These actions may include:

- Regrading drainage ditches to clear obstructions and siltation.
- Filling to re-achieve design grades in eroded areas.
- Re-establishment of vegetation.
- Replacement of missing aggregate (where appropriate).
- Filling to eliminate eroded, cracked, or desiccated areas and to re-achieve design grades.
- Filling or regrading problematic areas of settling to re-achieve elevations or promote surface drainage (as appropriate).

If erosion channels persist in appearing in the same place several times, erosion mats and drainage swales may be utilized to control future erosion.

Cover Effectiveness

As stated previously, the purpose of the remedy is to prevent contact with waste material. The cover system provides this barrier and is effective when appropriately maintained.

Maintenance Schedule

Inspections of the surface cover will be performed annually. Repair will be performed as necessary based on the observations reported during routine inspections of the surface cover. Inspections will take place as needed for site benchmarks.

Contingency Plan

In the unlikely event that it is determined that the cover system has failed, specific actions are necessary. This section provides direction regarding this potential and is organized into two sections, Contingency Plan Response and Contingency Plan Procedures.

Contingency Plan – Response

The potential incident that might require a contingency plan response includes the exposure to waste that is beneath the cover. In the event that greater than 2 ½ feet in depth of soil are removed from the cover, exposed soils may pose a threat to public health and safety. The potential routes of exposure include direct contact and inhalation of soil particulates and vapors. Restoration procedures will include replacing and compacting surface soil, to restore the cover system. Restoration activities will be performed in accordance with the Waste Management Plan and Construction Health and Safety Plan that are incorporated into the restrictive covenant. Additionally, dust suppression activities will be implemented, if necessary, to mitigate dust generation. Site workers will be trained and equipped with Personal Protective Equipment to prevent direct contact with the waste/fill. The area will be closed to the public until restoration activities are completed.

Contingency Plan – Procedures

Should there be physical evidence that the cover system has failed, a determination will be made of the potential threat to public health and the environment. Actions needed to address the cover system failure will be taken. In any instance of cover system failure, the MDEQ will be notified. The time, date, and details of any incident that requires emergency response implementation will be noted in the site log book.

Identification of Materials and Assessment of Possible Hazards

The materials that could potentially be exposed are impacted soils and waste material. The possible hazards associated with the materials listed above are minimal, but include risks from ingestion and dermal contact.

Assessment and Control Procedures

In the unusual event of an incident, the appropriate containment procedures and repairs would be implemented, and the following steps will be taken:

- Sample and analyze potentially impacted soil, surface water, or sediments.
- Evaluate the data to determine whether constituents are creating exposure above applicable risk-based standards.

Reporting Requirements

Records Retainage

Records shall be maintained for a minimum of 5 years after completion of any O&M activities.

O&M Records

O&M activities for the surface cover will be recorded in the appropriate logbook or database system. Notations will be made when the system is inspected and maintained, and when corrective measures are implemented. As indicated, inspection forms are included in Appendix A of this report. Corrective action measures and re-inspection forms should be completed during the period that the corrective measures take place.

Reporting

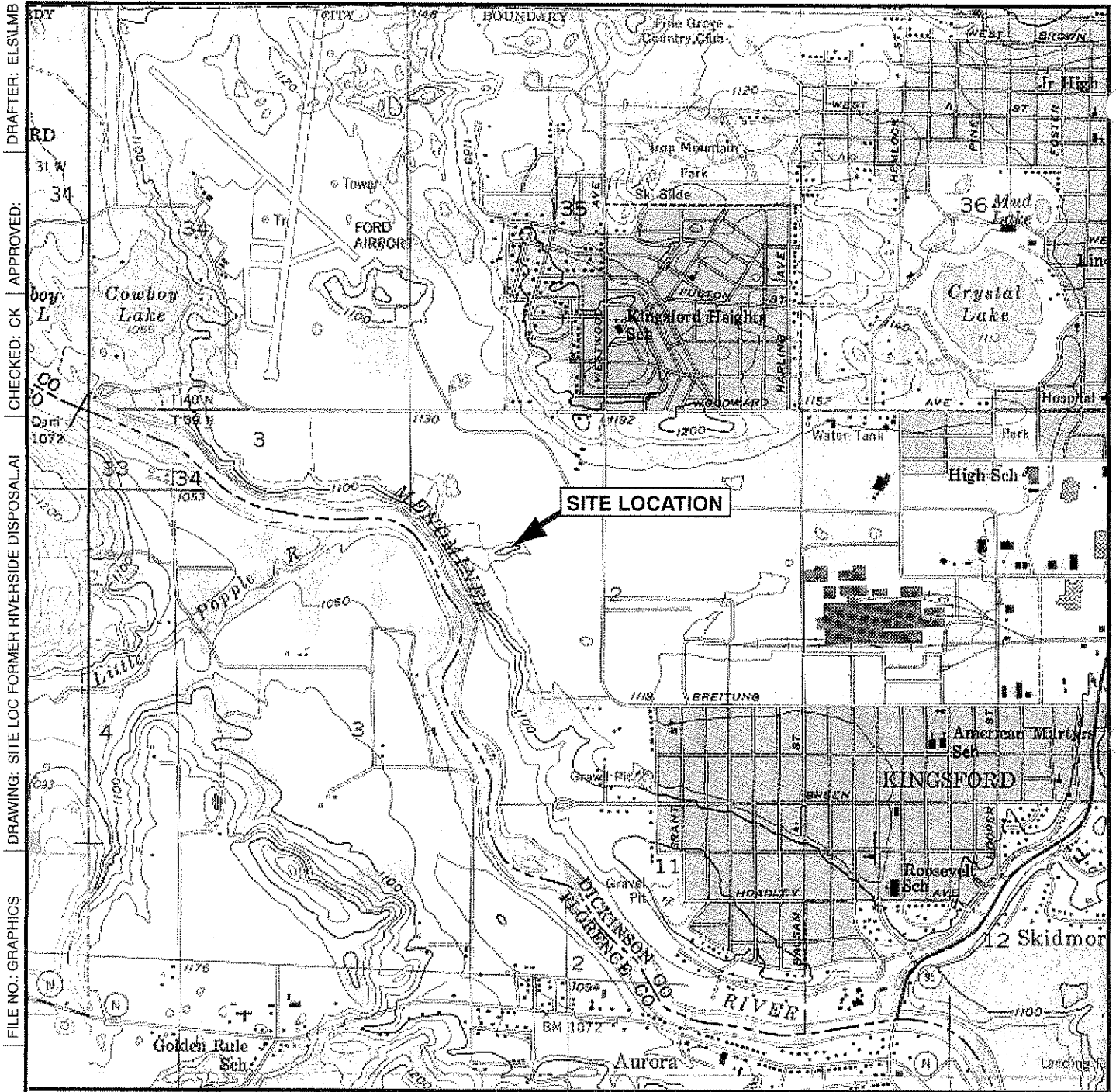
Annual O&M reports will be prepared that will include at a minimum a discussion of the surface cover monitoring activities performed during the reporting period, corrective actions taken, maintenance performed that is other than preventative maintenance, key personnel changes, and coordination activities. Any proposed modifications to the configuration or operation of the surface cover will be included.

ARCADIS

Table 1. Cover System Inspection Activities, Riverside Disposal Area, Ford-Kingsford Products Facility, Kingsford, Michigan.

Item	Types of Problems	Frequency of Inspection	Circumstance or Trigger Level (if applicable)	Corrective Action
Benchmark	Integrity of benchmark	Annually	Evidence of damage or movement	Repair or replace benchmark
Cover Soil/Grade	Slumping, cracking, dessication, damage, or buckling of surface	Annually	Visual evidence of discontinuity of surface - by way of depressions or cracks	Evaluate and prepare corrective action plan
	Rodents and burrowing animals	Annually	Evidence of rodents or burrowing animals	Remove animals by acceptable means
Cover Perimeter Outlet/Drainage System	Excessive growth at cover perimeter (mowing required)	Annually	Evidence of excessive growth which hinders visual inspection of cover	Mow vegetation
	Tree and scrub oak seedlings or other deep-rooted vegetation	Annually	Evidence of growth	Remove unwanted vegetation
Cover Perimeter Outlet/Drainage System (continued)	Erosion, obstructions to flow, deterioration, excessive siltation, inadequate protective vegetation, loose or missing riprap	Annually	Any obstructions to flow; silt buildup in excess of 50% of design freeboard; greater than 20% of area devoid of vegetation	Remove obstruction and/or silt. Revegetate as required
	Standing water on soil cover	Annually	Visual evidence of water	Evaluate and prepare corrective action plan

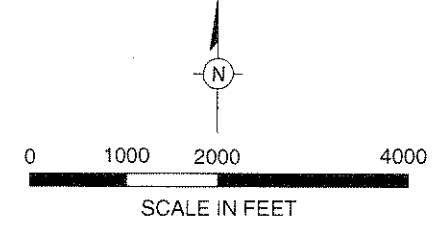
Page 14 of 20
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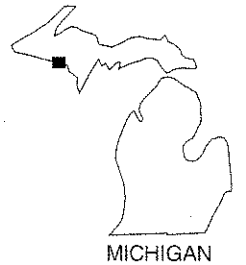
FILE NO.: GRAPHICS
 DRAWING: SITE LOC FORMER RIVERSIDE DISPOSAL AREA
 CHECKED: CK APPROVED:
 DRAFTER: ELS/MB

DWG DATE: 20JAN12
 PN: FORDIWI0637CJ2012

SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982



Page 15 of 20 GL 744/595
 NMJ Date 01/31/2012 Time 09:57:03



SITE LOCATION MAP

FORMER RIVERSIDE DISPOSAL AREA
 FORD-KINGSFORD PRODUCTS FACILITY
 KINGSFORD, MICHIGAN

FIGURE

1



Appendix A

Example Inspection Forms

**Operation and Maintenance Inspection Form
Riverside Disposal Area Final Cover
Ford-Kingsford Products Facility**

Date of Inspection: _____

Inspector's Name: _____

Inspector's Affiliation: _____

Time of Inspection: _____

Inspection Checklist

1. Cover:

• Are there any cracks or breaks in the soil cover? _____

• Are there any signs of uneven surfaces (depressions or bumps) or breakdown?

• Are there any physical signs of settlement or subsidence? _____

• Are there any signs of excessive erosion of cover or vegetated perimeter?

• Are there any signs of burrowing animals? _____

2. Stormwater Drainage Outlet:

• Is there evidence of erosion? _____

• Does silt accumulation prevent run-off? _____

• Are there signs of ponding? _____

**Operation and Maintenance Inspection Form
Riverside Disposal Area Final Cover
Ford-Kingsford Products Facility**

3. Are reference markers or permanent markers in need of repair? _____

4. Any other deficiencies or comments: _____

5. Corrective Action Required (Complete Corrective Action Form): _____

6. Inspector's Signature: _____



**Corrective Action Form
Riverside Disposal Area Final Cover
Ford-Kingsford Products Facility**

Date of Inspection: _____

Inspector's Name: _____

Inspector's Affiliation: _____

Corrective Action Work Order

Description of Problem: _____

Required Correction: _____

Assigned to: _____ Date: _____

Corrective Action Completion Report

Date Received: _____ Received By: _____

Completed On: _____

Comments: _____

Completed By: _____ Date: _____

Re-inspection Report

Observations: _____

Comments: _____

Completed By: _____ Date: _____

2009 DEC 21 AM 11:33

DECLARATION OF RESTRICTIVE COVENANT

This Declaration of Restrictive Covenant has been recorded with the Dickinson County Register of Deeds for the purpose of protecting the public health, safety and welfare, and the environment by prohibiting or restricting activities that could result in unacceptable exposure to environmental contamination present at the property located in the City of Kingsford, County of Dickinson, State of Michigan. This property is commonly known as the **Riverside Disposal Area** (the "Property"). More specifically, the Property is located in the northwest 1/4 of Section 2, Township 39N, Range 31W, in southwestern Dickinson County, in the south-central part of Michigan's Upper Peninsula. See Exhibit A for a legal description of the Property. See Exhibit B for a survey of the Property. The Riverside Disposal Area is associated with the Ford-Kingsford Products Facility (Court Case No. 04-1427-CE). Response activities have been implemented in the area to address environmental contamination and are fully described in the document entitled Riverside Disposal Area Interim Response Action Plan, Ford/Kingsford Site, Kingsford, Michigan, dated October 2002, which was submitted to the Michigan Department of Environmental Quality ("MDEQ") by ARCADIS U.S., Inc. on behalf of Ford Motor Company ("Ford"), a Delaware corporation, and The Kingsford Products Company LLC ("KPC"), a Delaware limited liability company. The MDEQ approved the Interim Response Action Plan (IRAP) in a letter dated February 26, 2004, pursuant to Part 201 of the Natural Resources and Environmental Protection Act ("NREPA"), 1994 PA 451, as amended, MCL 324.20101 *et seq.*

The IRAP required the recording of this Restrictive Covenant with the Dickinson County Register of Deeds to 1) restrict unacceptable exposures to hazardous substances located on the Property; and 2) assure that the use of the Property is consistent with the exposure assumptions utilized in the development of cleanup criteria referred to in Paragraph 1, below, pursuant to Section 20101 of the NREPA and the exposure control measures relied upon in the IRAP. The restrictions contained in this Restrictive Covenant are based upon information available to the MDEQ at the time the IRAP was approved by the MDEQ. Failure of the response activities to achieve and maintain the criteria, exposure controls, and requirements specified in the IRAP; future changes in the environmental condition of the Property or changes in the cleanup criteria developed under Sections 20120a(1) and 21304a of NREPA; the discovery of environmental conditions at the Property that were not previously accounted for in the IRAP; or use of the Property in a manner inconsistent with the restrictions described herein, may result in this Restrictive Covenant not being protective of public health, safety, and welfare, and the environment. Exhibit B provides a survey of the Property that is subject to the land use and resource use restrictions specified herein.

Summary of Response Activities

A portion of the Property has a Cover System constructed upon it. The purpose of the Cover System is to prevent direct contact exposures with underlying waste materials. See Figure 1, which illustrates the Property, including the Cover System. The Cover System may be enhanced and/or modified from time to time, and if so, a revised Figure 1 shall be submitted to the MDEQ by the Owner of the Property. Upon approval from MDEQ, any revised Figure 1 will be recorded with the Register of Deeds to reflect such enhancements and/or modifications. The submission of a revised Figure 1 shall not require approval or an amendment to this Restrictive Covenant. The MDEQ recommends that prospective purchasers or users of the Property undertake appropriate due diligence prior to acquiring or using this Property, and undertake appropriate actions to comply with the requirements of Section 20107a of the

NREPA. Hazardous substances such as volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals have been detected in the soil and waste material present on the Property. Prior to the recording of this Restrictive Covenant, response activities have been undertaken to prevent unacceptable exposures, including installation of a Cover System to prevent direct contact with the underlying waste materials.

For a more in-depth description of the affected media, the nature of the hazardous substances and how the response activities on the Property address unacceptable risks for all relevant pathways, see the IRAP discussed above, copies of which can be obtained from the property owner, the MDEQ or reviewed at the repository located at the Dickinson County Public Library.

Definitions

"MDEQ" means the Michigan Department of Environmental Quality, its successor entities, and those persons or entities acting on its behalf.

"Owner" means at any given time the then current title holder of the Property or any portion thereof.

All other terms used in this document which are defined in Part 3, Definitions, of the NREPA; Part 201 of the NREPA; or the Part 201 Administrative Rules ("Part 201 Rules"), 1990 AACS R 299.5101 *et seq.*, shall have the same meaning in this document as in Parts 3 and 201 of the NREPA and the Part 201 Rules, as of the date of filing of this Restrictive Covenant.

NOW THEREFORE,

Declaration of Land Use or Resource Use Restrictions

This Restrictive Covenant grants and conveys an interest in the Property to Ford and KPC to the extent necessary to enable Ford and/or KPC to enforce the declarations, covenants, prohibitions, restrictions, conditions and access rights set forth in this document, and Ford and/or KPC may enforce such declarations, covenants, prohibitions, restrictions, conditions and access rights.

Pursuant to the IRAP, the Owner hereby declares and covenants that the Property is subject to the following restrictions and conditions:

1. The Property shall be used only for recreation or for a land use described in the categories of Industrial and Commercial II, III and IV purposes, as defined in Section 20120a(1) of Part 201 of NREPA, and in the Michigan Department of Environmental Quality ("MDEQ"), RRD Operational Memorandum #1, dated December 10, 2004, as amended. See Exhibit C for descriptions of the land use categories of Industrial and Commercial II, III and IV. All other uses of the Property, including residential use, are strictly prohibited. Cleanup criteria and associated land-use descriptions are located in the Government Documents section of the State of Michigan Library.

2. The Owner shall prohibit and not allow activities that fail to meet the following requirements:

- All activities on the Property shall be conducted in a manner that does not damage, remove or otherwise tamper with the Cover System any monitoring wells or vapor probes or other response action equipment or materials located on the Property, unless otherwise permitted in writing by the MDEQ, Ford and KPC, and Owner.
- The use or removal of any groundwater located beneath the Property for any purpose shall be prohibited, except for activities associated with environmental response and/or approved in writing by the MDEQ, Ford and KPC, and Owner.

3. The Owner shall conduct the following activities to ensure the integrity of the Cover System:

- Mow and maintain the vegetative cover on a regular and continuous frequency.
- Conduct on-site inspections and record in a dedicated logbook activities, observations, and actions taken by the Owner to maintain the vegetative cover.
- Submit completed inspection forms to Ford/KPC annually.
- Notify Ford/KPC of cover performance failure and defects.

4. Ford/KPC shall perform all other activities as required to repair the Cover System in accordance with the IRAP, pursuant to the Consent Decree entered in Court Case No. 04-1427-CE, and in conformance with the Property's Operation and Maintenance Plan (the "O & M Plan") or unless otherwise approved by the MDEQ and the Owner. The O & M Plan is attached as Exhibit D. Exhibit D may be amended and/or modified from time to time, and if so, a revised Exhibit D will be recorded with the Register of Deeds to reflect such amendments or modifications. The submission of a revised Exhibit D shall not require approval or an amendment to this Restrictive Covenant.

5. Contaminated Soil Management for Digging or Excavation on the Property by Owner or a Person Authorized by Owner.

A. No digging or excavation on the Property shall occur unless all excavated soils, media and/or debris located on the Property are managed in accordance with the applicable requirements of Section 20120c of the NREPA; Part 111, Hazardous Waste Management of the NREPA; Subtitle C of the Resource Conservation and Recovery Act, 42 U.S.C. § 6901 et. seq.; the administrative rules promulgated thereunder; and all other relevant state and federal laws. These materials shall also be managed in accordance with the Property's O & M Plan, Waste Management Plan, and Construction Health and Safety Plan Guideline. The Waste Management Plan and Construction Health and Safety Plan Guideline are attached as Exhibits E and F, respectively. Exhibits E and F may be amended and/or modified from time to time, and if so, any revised Exhibit E or F will be recorded with the Register of Deeds to reflect such amendments and/or modifications. The submission of a revised Exhibit E or F shall not require approval or an amendment to this Restrictive Covenant.

Notice: At least fourteen (14) days before performance on the Property by Owner, or any person authorized by Owner, of any type of excavation, digging, construction, repair, or other work which will result in the removal of waste materials, the Owner shall notify Ford and KPC in writing. If waste materials are removed from beneath the Cover System in order to repair existing utilities or for the installation of new utilities or structures at the Property to serve the Property, Ford and KPC shall arrange for the disposal of the removed waste materials and shall be responsible for the cost thereof.

B. Upon a written determination by the Owner with concurrence by Ford and KPC, a concurrence that shall not be unreasonably withheld, the stormwater retention pond, located on the east side of the Property, requires dredging to maintain sufficient capacity and function as a stormwater retention pond, Ford and KPC will reimburse the Owner for all costs associated with the transport and disposal of the dredged material if dredging occurs before termination of the Consent Decree entered in Court Case No. 04-1427-CE.

6. The Owner shall allow Ford/KPC or their designee to install and maintain permanent markers that describe the restricted areas of the Riverside Disposal Area (RDA) and the nature of the restrictions, at the locations shown in Exhibit G. The permanent markers may be enhanced and/or modified from time to time, and if so, a revised Exhibit G shall be prepared by Ford/KPC, provided by Ford/KPC to the Owner

of the Property and submitted to the MDEQ by the Owner of the Property. The submission of a revised Exhibit G shall not require an amendment to this Restrictive Covenant.

7. Access. The Owner grants Ford, KPC, and their contractors and subcontractors, including but not limited to, ARCADIS U.S., Inc., access to the Property to perform whatever environmental response actions may be requested or required by the MDEQ or determined to be appropriate by Ford and KPC. The environmental response actions which may be requested or required on the Property, include, but are not limited to the installation, maintenance and/or monitoring of vapor probes and groundwater monitoring wells. Notwithstanding anything to the contrary herein, it is not intended to prohibit or interfere with Owner's ability to utilize the Property for recreation, open to the general public, and/or as the site of a stormwater retention pond. If any response actions will temporarily interfere with this recreational use, Ford/KPC will provide notice to the Owner prior to undertaking such actions.

The Owner shall allow the MDEQ, Ford, KPC and their authorized employees, agents, representatives, contractors, subcontractors and consultants to enter the Property at all reasonable times, after contacting the Owner for the purpose of conducting any activity for which access is required for the implementation of response action with respect to the presence of methane or other constituents at the Property or to otherwise fulfill any responsibility under federal or state law including, but not limited to, the following:

- (1) Monitoring response activities or any other activities taking place on the Property with respect to methane or other substances;
- (2) Verifying any data or information submitted to the MDEQ related to methane or other substances;
- (3) Assessing the need for, planning, or conducting investigations relating to methane or other substances;
- (4) Obtaining samples related to methane or other substances;
- (5) Assessing the need for, planning, or conducting, response activities at or near the Property,
- (6) Assessing compliance with requirements for the performance of monitoring, operation and maintenance, or other measures necessary to assure the effectiveness and integrity of a remedial action related to methane or other substances;
- (7) Communicating with Ford and KPC's representatives, or consultants for the purpose of assessing compliance with any court order or the Consent Judgment entered on October 26, 2004;
- (8) Determining whether the Property is being used in a manner that is or may need to be prohibited or restricted pursuant to any IRAP, IRDC, remedial action plan or Consent Judgment related to methane or other substances; and
- (9) Assuring the protection of public health, safety, welfare and the environment with respect to methane or other substances.

The Owner agrees that it will allow Ford and KPC to inspect and copy non-privileged records, operating logs, contracts, or other documents relating to methane or other substances on the Property. The Owner also agrees that it will execute any documents required for the remedy on the Property, including but not limited to, a concurrence for any response action, or consent to any restrictive covenant, notice of approved environmental remediation, or other document necessary for a remedial action plan,

interim response designed to meet criteria, or interim response activity plan related to the Property, as long as such documents to be executed do not impose new costs on the Owner.

8. Notices.

A. Notice of Intent to Transfer Property.

The Owner shall provide notice to the MDEQ and Ford and KPC of the Owner's intent to transfer any interest in the Property at least fourteen (14) business days prior to consummating the conveyance. A conveyance of title, an easement, or other interest in the Property, shall not be consummated by the Owner without adequate and complete provision for compliance with the terms and conditions of this Restrictive Covenant and the applicable provisions of Section 20116 of the NREPA. The notice required to be made to the MDEQ under this Paragraph shall be made to: Director, MDEQ, P.O. Box 30473, Lansing, Michigan 48909-7973; and shall include a statement that the notice is being made pursuant to the requirements of this Restrictive Covenant (MDEQ Reference Number RC-RRD-[YR]-[Number]), and a reference to the property description. A copy of this Restrictive Covenant shall be provided to all future owners, heirs, successors, lessees, easement holders, assigns, and transferees by the person transferring the interest.

For purposes of paragraph 8 only, an interest in the property is intended to include a conveyance of title, an easement, a lease or some other document indicating transfer of ownership and/or control over part or the whole of the Property. An interest in the property is not intended to include a license or other agreement allowing temporary, short-term use of the recreational facilities located on the Property.

B. Notice of Planned or Inadvertent Disturbance of the Property.

The Owner shall notify Ford, KPC and their designee at least fourteen (14) business days before any planned excavation, digging, construction, repair, or other type of work on the Property by Owner, or any person authorized by Owner, which might result in the exposure of persons to any hazardous substances or sub-surface soils. The Owner shall notify Ford, KPC, and their designee within twenty-four (24) hours of any unplanned emergency work on the Property and within 24 hours of the discovery of any other disturbance to the Property which might result in any exposure of persons to any hazardous substance or sub-surface soils. Notification shall be provided via verbal discussion or electronic mail correspondence to the following:

If to Designee:

Ford-Kingsford Products Facility Project Coordinator
Att.: Richard L. Studebaker, Jr., P.E.
ARCADIS U.S., Inc.
126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
(414) 276-7742
(414) 276-7603 (fax)
ric.studebaker@arcadis-us.com

With a Copy to:

Dickinson Wright PLLC
500 Woodward Ave, Suite 4000
Detroit, MI 48226-3425
(313) 223-3500
(313) 223-3598 (fax)

If to Ford:

David Miller
Fairlane Plaza North
290 Town Center Drive
Dearborn, MI 48126
(313) 322-3761
(313) 248-5030 (fax)
dmiller2@ford.com

General Counsel
Ford Motor Company
World Headquarters
One American Road, Room 407-A2
Dearborn, MI 48126
(313) 845-8476
(313) 390-3308

With a Copy to:

Dickinson Wright PLLC
500 Woodward Ave, Suite 4000
Detroit, MI 48226-3425
(313) 223-3500
(313) 223-3598 (fax)

If to KPC:

J. David Langford
Associate Vice President Burns & McDonnell Engineering Company, Inc.
9400 Ward Parkway
Kansas City, MO 64141
(816) 822-3175
(816) 822-3494 (fax)
jlang@burnsmcd.com

General Counsel
The Clorox Company
1221 Broadway, 24th Floor
Oakland, CA 94612
(510) 271-7000
(510) 271-1696 (fax)

With a Copy to:

Michael L. Robinson
Warner Norcross & Judd LLP
111 Lyon Street, NW, Suite 900
Grand Rapids, Michigan 49053
(616) 752-2128
(616) 222-2128 (fax)
mrobinson@wnj.com

C. Notice to Owner.

For as long as the City of Kingsford is the Owner, any notices, written concurrences or written approvals by Ford and/or KPC to the Owner required under this Restrictive Covenant shall be sent to the City Manager, the Superintendent of Public Works and the City Attorney.

9. Term and Enforcement of Restrictive Covenant.

The State of Michigan, through any or all of the MDEQ, Ford or KPC or their agents or assigns, may enforce the restrictions set forth in this Restrictive Covenant by legal action in the Dickinson County Circuit Court. Upon request of Owner, Ford/KPC shall enforce the restrictions set forth in this Restrictive Covenant on behalf of Owner and at no cost to Owner if Ford or KPC agree enforcement is necessary to meet Ford and KPC's obligations under the Consent Decree entered in Court Case No. 04-1427-CE.

This Restrictive Covenant shall run with the Property, and shall be binding upon the Owner, future owners, and all current and future operators of the Property, lessees, easement holders, and their successors, assigns, authorized agents, employees, or persons acting under their direction and control, of all or any portion of each of the parcels which comprise the Property. It shall be the obligation of each and every Owner of any portion of the Property to provide a copy of this Restrictive Covenant to all of its heirs, successors, lessees, assigns and transferees of an interest in the Property. This Restrictive Covenant is binding upon the Owner, future owners, and all current and future operators of the Property, lessees, easement holders, and their successors, assigns, authorized agents, employees, or persons acting under their direction and control, regardless of whether a copy of this Restrictive Covenant has been attached or incorporated into any given deed, transfer document or lease.

Except as otherwise noted above, this Restrictive Covenant may only be modified or rescinded with the written approval of the MDEQ, Owner, Ford and KPC.

10. Severability. If any provision of this Restrictive Covenant is held to be invalid by any court of competent jurisdiction, the invalidity of such provision shall not affect the validity of any other provisions hereof. All such other provisions shall continue unimpaired in full force and effect.

11. Authority to Execute Restrictive Covenant. The undersigned person executing this Restrictive Covenant has the express written permission of the Owner to sign on the Owner's behalf and represents and certifies that he or she is duly authorized and has been empowered to execute and deliver this Restrictive Covenant.

IN WITNESS WHEREOF, the said Owner of the above-described Property has caused this Restrictive Covenant (RC-RRD-[YR]-[Number]) to be executed on this 4th day of DECEMBER, 2009.

CITY OF KINGSFORD, OWNER

By: 

MICHAEL FLAMINIO

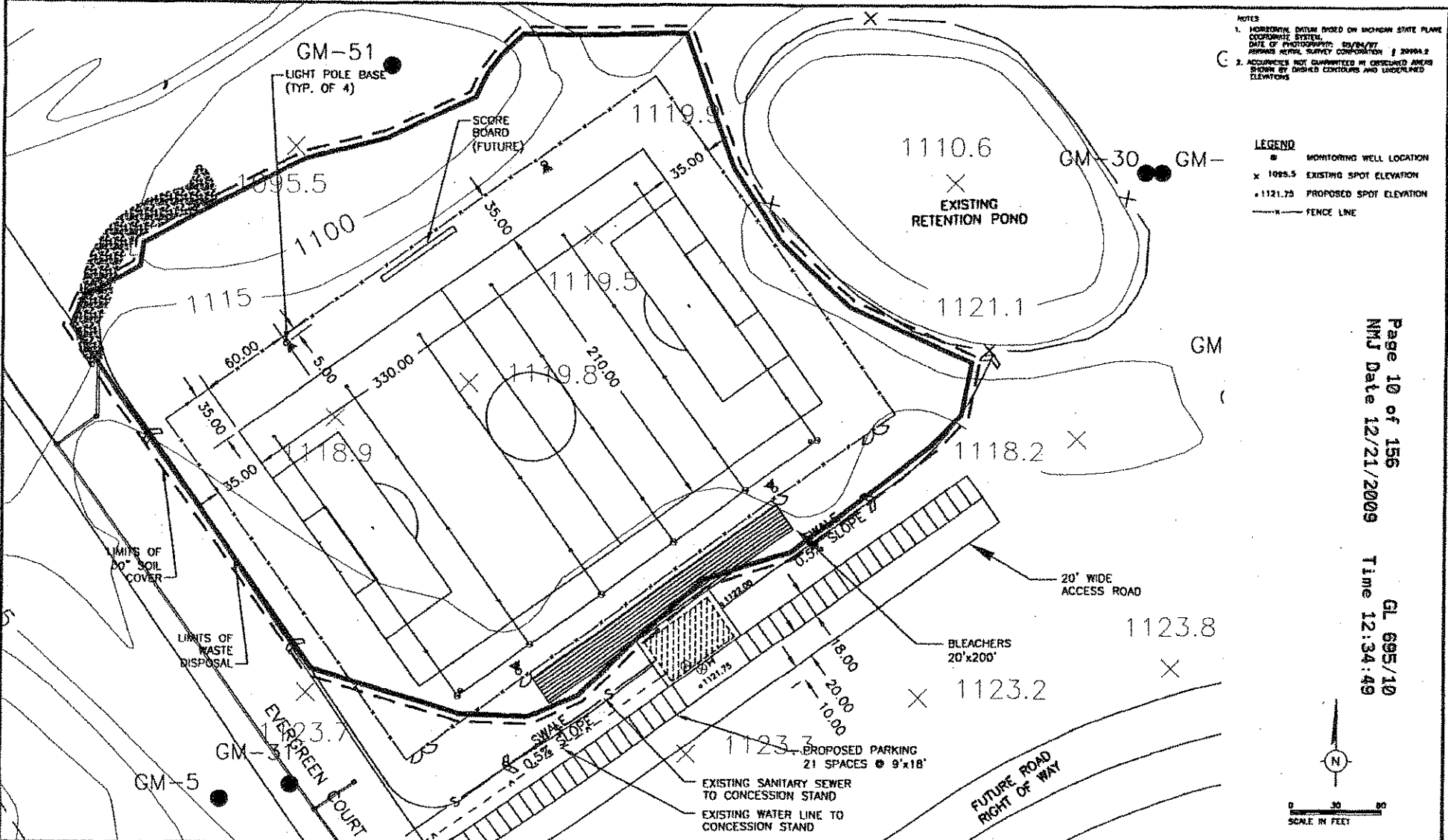
Its: MAYOR

By: 

DARRYL K. WICKMAN

FIGURE 1

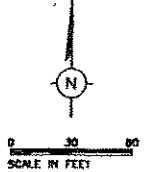
MAP OF THE PROPERTY, INCLUDING THE COVER SYSTEM



NOTES
 1. HORIZONTAL DIMENSIONS BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM.
 DATE OF PHOTOGRAPH: 02/04/07
 ARCADIS HERD, SURVEY CORPORATION # 20044.2
 2. ACCURACIES NOT GUARANTEED IN UNDEVELOPED AREAS SHOWN BY DASHED CONTOURS AND UNDEVELOPED ELEVATIONS

LEGEND
 ● MONITORING WELL LOCATION
 x 1095.5 EXISTING SPOT ELEVATION
 + 1121.75 PROPOSED SPOT ELEVATION
 --- FENCE LINE

Page 10 of 156
 NMJ Date 12/21/2009 Time 12:34:49
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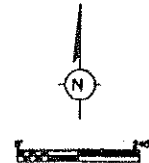
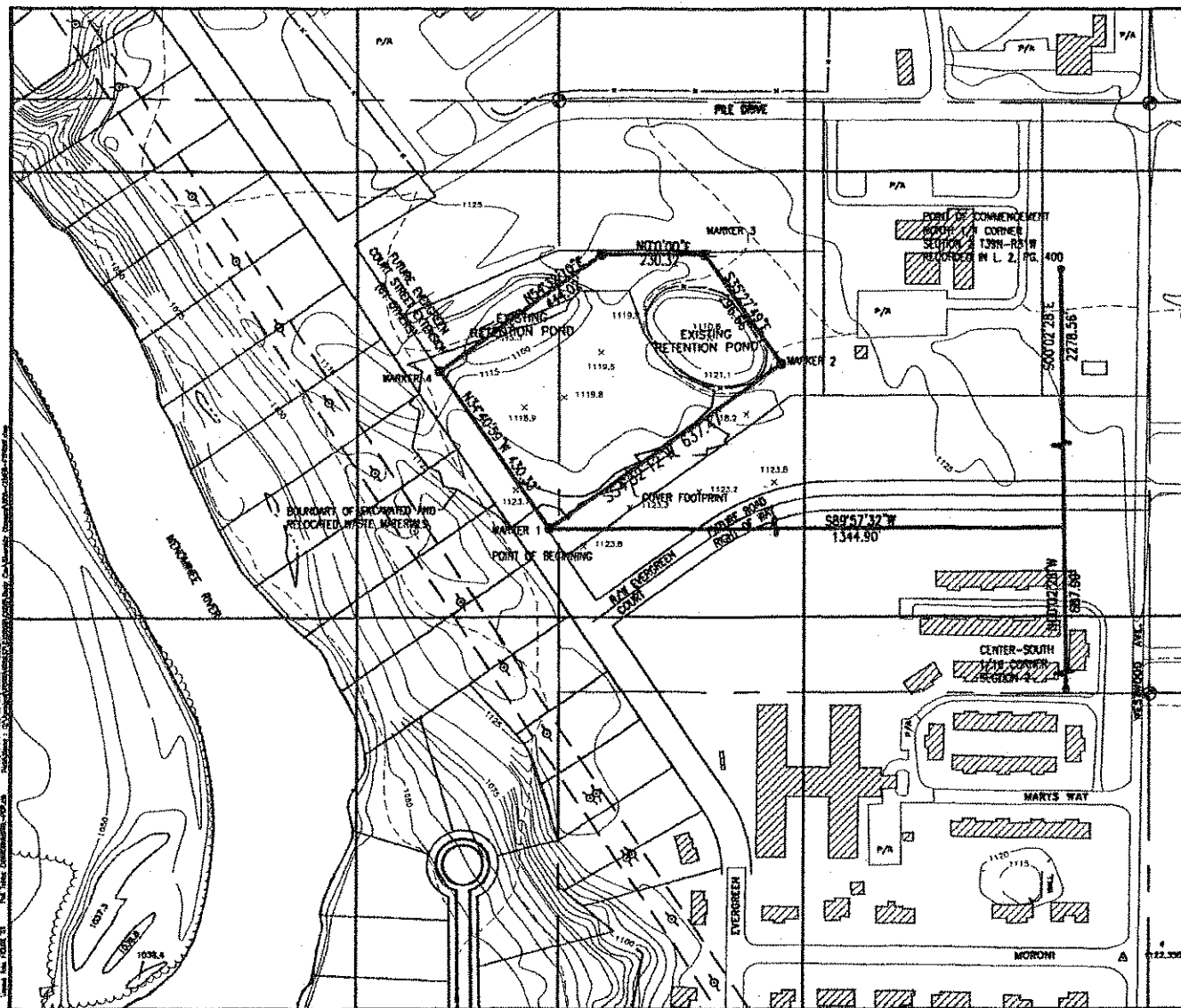
ALL PROFESSIONAL ENGINEERING SERVICES EXPICITLY ON THIS DRAWING HAVE BEEN PERFORMED FOR ARCADIS HERD & HALLER, INC. BY GUY, HILL & FLORENZ ENGINEERING CONSULTANTS TO PROVIDE SUCH SERVICES IN THE STATE OF MICHIGAN.	DRAWING CONFIDENTIAL: THIS DRAWING AND ALL INFORMATION CONTAINED HEREON IS AND SHALL REMAIN THE PROPERTY OF ARCADIS HERD & HALLER, INC. AS AN AGENT OF PROFESSIONAL SERVICE. THIS INFORMATION SHALL NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT AND UNDER STRICT CONTROL OF ARCADIS HERD & HALLER, INC.	REL	DATE	REVISION DESCRIPTION	BY	ARCADIS 2000 North Oakland Boulevard, Suite 200 Lansing, Michigan 48906 Tel: 517-761-1921 Fax: 517-761-2399		RIVERSIDE DISPOSAL AREA RAP FORD/KINGSFORD SITE KINGSFORD, MICHIGAN	DRAWN SM	DATE 3/30/07	PROJECT MANAGER EC	DEPARTMENT MANAGER ME
										MAP OF PROPERTY AND COVER SYSTEM FOOTPRINT	LEAD DESIGN PROF. ME	PROJECT NUMBER W00975.0011

EXHIBIT A

LEGAL DESCRIPTION OF THE PROPERTY

Page 11 of 156
NMJ Date 12/21/2009

GL 695/11
Time 12:34:49



A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF THE NORTHWEST QUARTER OF SECTION 2 TOWNSHIP 39 NORTH, RANGE 31 WEST, CITY OF KINGSFORD, COUNTY OF DICKINSON, STATE OF MICHIGAN DESCRIBED AS:

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 2; THENCE $S89^{\circ}02'28''E$, 2278.56' ALONG THE NORTH-SOUTH 1/4 LINE OF SECTION 2; THENCE $S89^{\circ}57'32''W$, 1344.90' TO A POINT 0.57' NORTHEAST OF THE NORTHEAST RIGHT-OF-WAY LINE OF EVERGREEN COURT BEING THE POINT OF BEGINNING; THENCE $N84^{\circ}49'59''W$, 430.33' PARALLEL TO THE NORTHEAST RIGHT-OF-WAY LINE; THENCE $N54^{\circ}32'10''E$, 444.02'; THENCE $N96^{\circ}00'00''E$, 230.32'; THENCE $S33^{\circ}27'49''E$, 296.66'; THENCE $S54^{\circ}32'12''W$, 637.47' TO THE POINT OF BEGINNING CONTAINING 3.903 ACRES AND SUBJECT TO RESTRICTIONS, RESERVATIONS, RIGHTS-OF-WAY AND EASEMENTS OF RECORD.

Page 12 of 156
 NMJ Date 12/21/2009
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EXHIBIT B

SURVEY OF THE PROPERTY

CERTIFICATE OF SURVEY

PART OF THE S1/2 OF THE NW1/4 OF SECTION 2, T39N-R31W, CITY OF KINGSFORD,
DICKINSON COUNTY, MICHIGAN.

Page 14 of 156

GL 695/14

NMJ Date 12/21/2009

Time 12:34:49

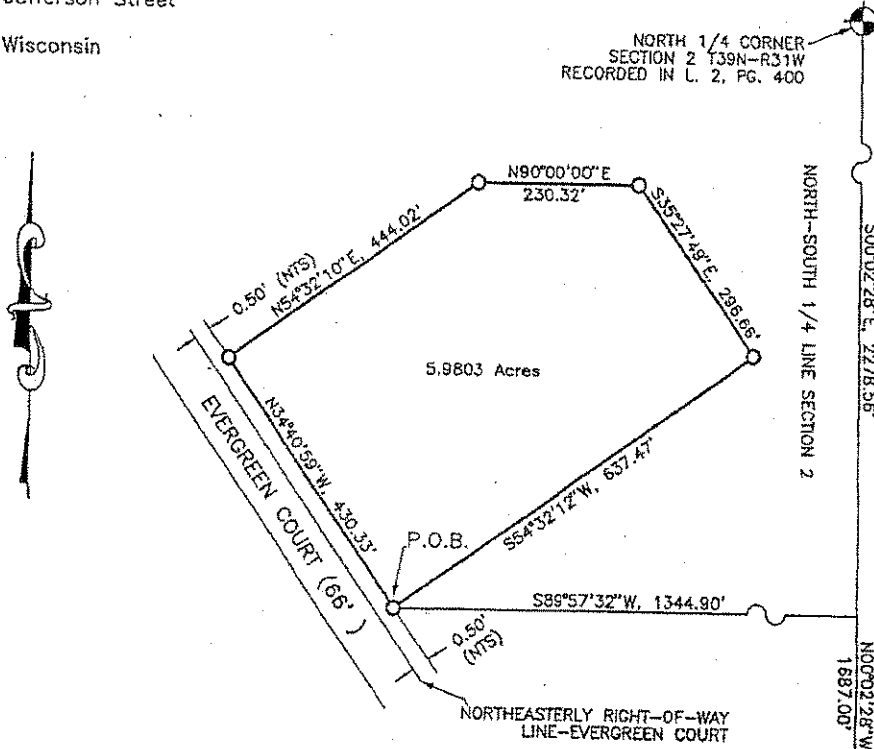
PARCEL DESCRIPTION

Parcel of land being part of the S1/2 of the NW1/4 of Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:

Commencing at the North 1/4 corner of Section 2; thence S00°02'28"E, 2278.56' along the North-South 1/4 line of Section 2; thence S89°57'32"W, 1344.90' to a point 0.50' Northeast of the Northeast right-of-way line of Evergreen Court being the Point of Beginning; thence N34°40'59"W, 430.33' parallel to the Northeast right-of-way line; thence N54°32'10"E, 444.02'; thence N90°00'00"E, 230.32'; thence S35°27'49"E, 296.66'; thence S54°32'12"W, 637.47' to the Point of Beginning containing 5.9803 acres and subject to restrictions, reservations, rights-of-way and easements of record.

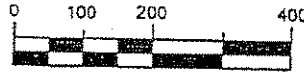
ORDERED BY:

Arcadis
126 North Jefferson Street
Suite 400
Milwaukee, Wisconsin
53202



NOTES:
-BEARINGS ARE BASED UPON
NAD83, 94 (HARN) LAMBERT
MICHIGAN NORTH ZONE STATE
PLANE COORDINATE SYSTEM.

(NTS)-NOT TO SCALE



SCALE: 1" = 200'

SURVEYOR'S CERTIFICATE

I hereby certify that I have surveyed and mapped the land above platted and/or described on and that the ratio of closure on the unadjusted field observations was Less than 1" in 3000', and that all the requirements of P.A. 132 of 1970 as amended have been complied with.

Sundberg, Carlson and Associates, Inc.

BY: Gerald W. Carlson DATE: 7-30-02

GERALD W. CARLSON PS No. 24589



LEGEND • -Found Iron * -Set 5/8" X 18" Iron ▲ -Found Concrete Monument △ -Set Concrete Monument ○ -Other as Noted R -RECORDED M -MEASURED	DRAWN BY: SDK	JOB NO. 10092	
	SCALE: 1" = 200'	SHEET <u>1</u> OF <u>1</u>	
DATE: 01/08/02	REVISIONS	SJB	07/03/02
STS Consultants, Ltd. 555 River Avenue Iron River, MI 49935 906/265-2525 914 West Baraga Avenue Marquette MI 49855 906/228-2333 WATS 800-441-0669			

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EXHIBIT C

INDUSTRIAL LAND USE CATEGORY

An industrial site will include sites with the following characteristics:

1. The primary activity at the property is and will continue to be industrial in nature (e.g., manufacturing, utilities, industrial research and development, petroleum bulk storage) and access is and will continue to be reliably restricted consistent with its use (e.g., by fences, security personnel, or both). Inactive or abandoned properties can be included in this category if the use was and/or will be industrial, as described above and access is controlled as necessary to assure unacceptable exposures do not occur. The industrial category does not include farms, gasoline service stations, or other commercial establishments where children may commonly be present.
2. The current zoning of the property is industrial, the zoning is anticipated to be industrial or the current industrial use is a legal non-conforming use. This may include different zoning designations, depending on the community, such as "light industrial" or "heavy industrial."

COMMERCIAL LAND USE CATEGORY

A commercial site would include sites with the following characteristics:

1. The primary activity at the property is and will continue to be commercial in nature (e.g., retail, warehouse, office/business space). This could include abandoned or inactive commercial properties as long as they fit both the definition of a commercial land use and one of the subcategory definitions described below.
2. The current zoning of the property is commercial, future zoning is anticipated to be commercial, or the current commercial use is a legal nonconforming use. This may include different zoning designations, depending on the community, such as "community commercial," "regional commercial," "retail," or "office-business."

Subcategory II: The following features characterize this commercial land use subcategory. Access to the public is reliably restricted, consistent with its use, by fences, security, or both. Affected surficial soils are located in unpaved or landscaped areas that are frequently contacted by worker populations such as groundskeepers, maintenance workers, or other employees whose primary duties are performed outdoors. If groundwater were relied on for drinking water, worker populations would receive half of their total exposure from on-site drinking water. This subcategory could include, but is not limited to, the following uses:

- large-scale commercial warehouse operations
- wholesale lumber yards
- building supply warehouses

The degree of exposure for such employees under subcategory II property is assumed to be equivalent to the exposures used to model outdoor activities in the development of the generic industrial criteria. As a result, a unique set of generic criteria has not been defined for this subcategory of commercial land use. Properties which fall into this subcategory should be addressed through the application of the generic industrial criteria or through a facility-specific risk assessment.

Subcategory III: A subcategory III commercial property is characterized by the following features. Access to the public is unrestricted, however, the general public's occupancy of the property is expected to be intermittent and significantly less in frequency and duration relative to the population working at the facility. Although some of the activities for both worker populations and the general public at a

subcategory III commercial property are conducted indoors, a significant component of their activity will likely be outdoors. Affected surficial soils are located in unpaved or landscaped areas that may be contacted frequently, primarily by the worker populations (as may be the cases at gas stations, auto dealerships, or building supply warehouses with unpaved or landscaped areas). If site groundwater were relied on for drinking water, worker populations would receive about half of their total exposure from the site. This subcategory could include, but is not limited to, the following uses:

- Retail gas stations
- Auto service stations
- Auto dealerships
- Retail warehouses selling the majority of their merchandise indoors but including some limited storage or stockpiling of materials in an outdoor yard (building supply, retail flower and garden shops not involving on site plant horticulture and excluding open air nurseries, tree farms, and sod farms which would fall into an agricultural land use).
- Repair and service establishments including but not limited to, lawn mower, boat, snowmobile, or small appliance repair shops that have small outdoor yards.
- Small warehouse operations

Subcategory IV: A subcategory IV commercial site is characterized by the following features. Access to the public is unrestricted, however, the general public's occupancy of the facility is intermittent in frequency and of short duration relative to the worker populations resident at the facility (i.e., the frequency and duration of general public occupancy at the property is typified by the time necessary to transact business at a retail establishment or to receive personal services). The predominant activities performed by both workers and the general public at this type of commercial property are conducted indoors. Affected surficial soils are located in unpaved or landscaped areas that are contacted by worker populations on an occasional basis, such as outdoor break or eating areas. General public contact with these areas is anticipated to be significantly less than the worker's contact, both in terms of frequency and duration. If groundwater were relied upon for drinking water, worker populations would receive one-half of their total exposure at the facility. This subcategory could include, but is not limited to, the following uses:

- Professional offices (lawyers, architects, engineers, real estate, insurance, etc.)
- Medical/dental offices and clinics (not including hospitals)
- Banks, credit unions, savings and loan institutions, etc.
- Publicly owned office buildings
- Any retail business whose principal activity is the sale of food or merchandise within and enclosed building
- Personal service establishments which perform services indoors (health clubs, barber/beauty salons, mortuaries, photographic studios, etc.).

EXHIBIT D

OPERATION AND MAINTENANCE PLAN FOR THE PROPERTY

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Appendix D

Operation and Maintenance Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

Prepared for:
Ford Motor Company
The Kingsford Products Company

Introduction	1
Objectives	1
Site Background	2
Performance and Compliance Monitoring Plan	2
Maintenance of the Surface Cover	2
Inspection	3
Erosion Prevention	3
Cover Effectiveness	4
Maintenance Schedule	4
Contingency Plan	5
Contingency Plan – Response	5
Contingency Plan – Procedures	5
Identification of Materials and Assessment of Possible Hazards	6
Assessment and Control Procedures	6
Reporting Requirements	6
Records Retainage	6
Operation and Maintenance Records	6
Reporting	7
Future Construction Activities	7

Table

- D-1. Facility Inspection Activities, Riverside Disposal Area, Ford/Kingsford Site, Kingsford, Michigan.

Figures

- D-1. Site Location, Ford/Kingsford Site, Kingsford, Michigan.
- D-2. Riverside Disposal Area Site Plan and Cover System Footprint, Kingsford, Michigan.

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Page 20 of 156 GL 695/20
NMJ Date 12/21/2009 Time 12:34:49

Attachment

- A. Example Inspection Forms, Ford/Kingsford Site, Kingsford, Michigan.

Introduction

ARCADIS on the behalf of Ford Motor Company and The Kingsford Products Company, prepared this document, which provides details on the operations and maintenance activities for the Riverside Disposal Area (RDA) cover system that is located adjacent to Evergreen Court in Kingsford, Michigan (Figures D-1 and D-2). Operation and Maintenance (O&M) activities are essential for preservation of the cover system remedy.

Objectives

The objectives of this O&M Plan are to:

- Describe procedures for maintenance and monitoring of the constructed soil and vegetative cover at the RDA.
- Identify contingency plans regarding failure of the cover system.

This plan is prepared to guide field personnel on maintenance procedures for the soil cover to maximize effectiveness of the remedy. Implementation of the plan will assist in achieving the following objectives:

- Promote drainage and minimize erosion or abrasion of the cover.
- Assure protection of human health and the environment.

Elements of this plan address the following:

- Site Background
- Performance and Compliance Monitoring Program
- Contingency Plan
- Reporting Requirements

Site Background

The RDA is located approximately 600 feet south of the western end of Pyle Drive and approximately 1,400 feet west of Westwood Avenue in the City of Kingsford, Dickinson County, Michigan (Figure D-1). The RDA is contained within property owned by the city of Kingsford. Although the RDA is zoned for residential use, it was an open field prior to construction of the cover system. The soil cover system is being constructed to accomplish the Remedial Objective of protection of human health and the environment from surface contact. The RDA cover system is comprised of fill, topsoil and covered by a vegetative layer. The cover thickness of the proposed cover system is 18 inches of fill and 12 inches of topsoil, while the area outside the proposed cover system is covered by 24 inches of fill and 6-inches of topsoil. The O&M activities focus on maintaining the constructed soil cover in good condition.

Performance and Compliance Monitoring Plan

Routine care of the surface cover provides a mechanism to inspect and repair minor surface disruptions as necessary. Maintenance of the cover system integrity as a whole, the barrier between waste material and the surface, is the measure of satisfactory performance. Prompt repair of minor surface issues adequately provides remedial protection while allowing for normal maintenance. The details of inspection and repair are described in the subsequent sections.

Maintenance of the Surface Cover

On-site care for the surface cover will include:

- Visual inspection of the site to identify disruptions of the surface cover such as cracking or desiccation.
- Monitoring for settlement, maintenance of the final cover depending on the results of inspection.
- Maintaining vegetation of the surface cover and adjacent areas.
- Inspection and erosion control prevention.

Table D-1 summarizes the specific O&M activities and frequencies for the RDA cover system.

Inspection

A designated property owner representative, who will perform and document the activities identified in this O&M Plan, will conduct on-site inspection activities. A site log book will be maintained containing all site visits, corrective action forms submitted, and any corrective actions taken. The appearance of the surface cover will be recorded on a standard inspection form. For each inspection, forms will be used to record findings, unusual conditions, and corrective action taken. Examples of the inspection forms are included in Attachment A. These example inspection forms may change in format throughout the O&M period; however the substance will remain the same. Conditions requiring corrective action will be rectified and the repair will be documented on a Corrective Action Form. Table D-1 summarizes the specific O&M inspection activities and frequencies.

Erosion Prevention

The cover system surface layer is vegetated with either grass or native plants. The edge of the cover is adjacent to Evergreen Court. Erosion control will entail the confirmed maintenance of these areas as required to prevent erosion.

The surface cover outfall, the adjacent stormwater pond and stormwater ditches must be clear of any debris or overgrown vegetation that may inhibit or block the flow of runoff, or of excessive siltation. These structures will be inspected quarterly the first year and semi-annually thereafter. In addition to the standard frequency, inspections may be conducted after extreme weather events (e.g., tornadoes, 10-year/24-hour precipitation events).

Inspections of the surface cover whether native vegetation or grass surface and its drainage features will include, but not be limited to the following: obstructions to flow; erosion; excessive siltation or debris; inadequate vegetation; and loose or missing riprap. Should any vegetated area show significant washout or gullying (greater than 4 inches), the eroded area will be filled when the weather conditions permit or within 30 days, whichever occurs first. If results of the inspection indicate that any drainage patterns have changed resulting in ponding or excessive run-off, the affected area will be appropriately repaired to re-establish correct flow direction. Accumulated sediment in the drainage system will be removed. If greater than 20 percent of the planned vegetated surface is devoid of vegetation, the area will be re-vegetated as weather conditions permit. If recreational surfaces show visible signs of breakdown, they will be repaired consistent with their design. Steps will be taken to verify that drainage pathways are maintained throughout the O&M period. Vegetation shall be mowed at

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Operation and Maintenance Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

least annually at the cover during the growing season. Appropriate fertilizer application suitable for the finished surface will be applied annually to maintain healthy vegetation and the intended surface barrier. Baiting for rodents and treatment for burrowing animals will also be administered if the need is observed during inspection. In the event that any of these occurrences are observed, the following will be implemented to repair the area in question. These actions may include:

- Regrading drainage ditches to clear obstructions and siltation.
- Filling to re-achieve design grades in eroded areas.
- Re-establishment of vegetation.
- Replacement of missing aggregate (where appropriate).
- Filling to eliminate eroded, cracked, or desiccated areas and to re-achieve the design grades.
- Filling or regrading problematic areas of settling to re-achieve elevations or promote surface drainage (as appropriate).

If erosion channels persist to appear in the same place several times, erosion mats and drainage swales will be utilized to prevent future events.

Cover Effectiveness

As stated previously, the purpose of the remedy is to prevent contact with waste material. The cover system provides this barrier and is therefore effective when appropriately maintained.

Maintenance Schedule

Inspections of the surface cover will be performed quarterly for the first year. After the first year, the inspection frequency may be reduced to semi-annually throughout the life of the project. Repair will be performed as necessary based on the observations reported during routine inspections of the surface cover. Annual inspection will take place for site benchmarks as indicated on Table D-1.

Contingency Plan

In the unlikely event that it is determined that there has been a release of waste to the environment and the surface cover has failed, specific actions are necessary. This section provides direction regarding this potential and is organized into two sections, Contingency Plan Response and Contingency Plan Procedures.

Contingency Plan – Response

The potential incident that might require a contingency plan response includes the release of waste that exceeds Direct Contact Criteria. The site cover is complete at grade and there are no slopes that might become unstable. In the event that greater than 2 and 1/2 feet of soil are removed, exposed soils may pose a threat to public health and safety. A contingency plan to prevent direct contact with the exposed soils would be set into place. The plan would include immediately closing off the area to the public and preventing erosion and off-site migration of exposed material.

Contingency Plan – Procedures

Should there be physical evidence that cover performance has failed, a determination will be made of the potential threat to public health and the environment. Any and all actions needed to secure, contain, and cleanup the release will be taken. In any instance of a reportable release/failure, the property owner will notify the Michigan Department of Environmental Quality (MDEQ). The time, date, and details of any incident that requires response implementation will be noted in the site log book. Within 15 days, a written report on the incident will be submitted to MDEQ. The report will include:

- Name, address and telephone of owner.
- Name and address of the site.
- Date, time, and type of incident.
- Name and quantity of material(s) involved.
- An assessment of actual or potential hazards to human health or the environment, where this is applicable.

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Operation and Maintenance Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Estimated quantity and disposition of recovered material that resulted from the incident.

Identification of Materials and Assessment of Possible Hazards

The materials that could potentially be released are impacted soils and waste material. The possible hazards associated with the soils are minimal but include risks from ingestion and dermal contact.

Assessment and Control Procedures

In the unusual event of a release, the appropriate containment procedures and repairs would be implemented immediately. If appropriate, the following steps will be taken:

- Sample, and analyze soil, surface water, or sediments potentially impacted by the release.
- Evaluate the data to determine whether waste constituents have entered the environment at levels above risk-based standards.

The property owner or their designee will take whatever measures are necessary to mitigate the release.

Reporting Requirements

Records Retainage

The property owner or their designee shall manage records. Records shall be maintained for a minimum of 3 years.

Operation and Maintenance Records

Operation and maintenance activities for the surface cover will be recorded in the appropriate logbook or computer system. Notations should be made when the system is inspected and maintained, engineering measurements are taken, and when corrective measures are implemented. As indicated, inspection forms are included in Attachment A of this report. Corrective action measures and re-inspection forms should be completed during the period that the corrective measures take place.

Reporting

Annual O&M reports will be prepared that will include at a minimum a discussion of the surface cover monitoring activities performed during the reporting period, incidences of noncompliance and corrective actions taken, maintenance performed that is other than preventative maintenance, key personnel changes, and coordination activities. Any proposed modifications to the configuration or operation of the surface cover will be included.

Future Construction Activities

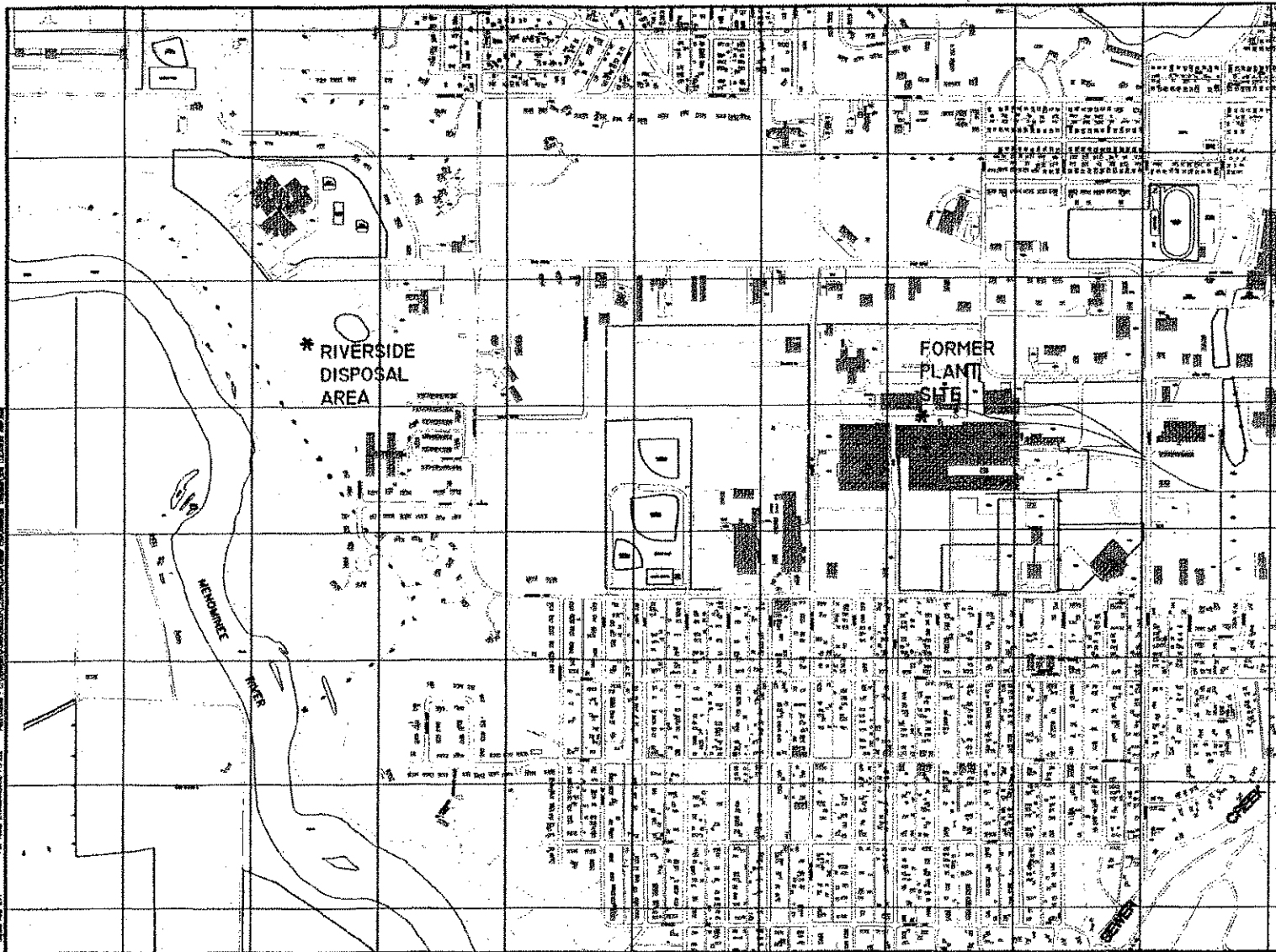
Any utility work or road construction through the RDA, or other subsurface activities that breaches the cover system will follow the Health and Safety Plan and the Waste Management Plan developed for the area. All workers involved with future utility work or road construction in the area will follow the Health and Safety Plan if there is the possibility of dermal contact with impacted soils/waste materials beneath the cover system. Any soils/waste materials that are excavated during future construction activities will need to be managed in accordance with the Waste Management Plan. After any future construction activities are complete, any portion of the cover system that was disturbed will need to be restored to their design thickness and seeded.

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Table D-1. Facility Inspection Activities, Riverside Disposal Area, Ford/Kingsford Site, Kingsford, Michigan.

Item	Types of Problems	Frequency of Inspection	Circumstance or Trigger Level (If applicable)	Corrective Action
Benchmark	Integrity of benchmark	Annually	Evidence of damage or movement	Repair or replace benchmark
Cover Soil/Grade	Slumping, cracking, dessication, damage, or buckling of surface	Quarterly for the first year, then semi-annually	Visual evidence of discontinuity of surface - by way of depressions or cracks	Evaluate and prepare corrective action plan and submit to MDEQ
	Rodents and burrowing animals	Quarterly for the first year, then semi-annually	Evidence of rodents or burrowing animals	Remove animals by acceptable means
Cover Perimeter Outlet/Drainage System	Excessive growth at cover perimeter (mowing required)	Quarterly for the first year, then semi-annually	Evidence of excessive growth which hinders visual inspection of cover	Mow vegetation
	Tree and scrub oak seedlings or other deep-rooted vegetation	Quarterly for the first year, then semi-annually	Evidence of growth	Remove unwanted vegetation
Cover Perimeter Outlet/Drainage System (continued)	Erosion, obstructions to flow, deterioration, excessive siltation, inadequate protective vegetation, loose or missing riprap	Quarterly for the first year, then semi-annually and after storm events (e.g., tornadoes, 10-year/24-hour precipitation events)	Any obstructions to flow; silt buildup in excess of 50% of design freeboard; greater than 20% of area devoid of vegetation	Remove obstruction and/or silt. Revegetate as required
	Standing water on soil cover	Quarterly for the first year, then semi-annually	Visual evidence of water or softening asphalt	Evaluate and prepare corrective action plan and submit to MDEQ

Page 28 of 156
 NJ Date 12/21/2009
 Time 12:34:49
 GL 695/28




- NOTES
1. HORIZONTAL DATA BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM. DATE OF PHOTOGRAPHY: 05/04/97. ARCADIS AERIAL SURVEY CORPORATION # 2009-3
 2. ACCURACIES NOT GUARANTEED IN OCEANOGRAPHIC AREAS SHOWN BY DOTTED CONTOURS AND UNCORRECTED ELEVATIONS

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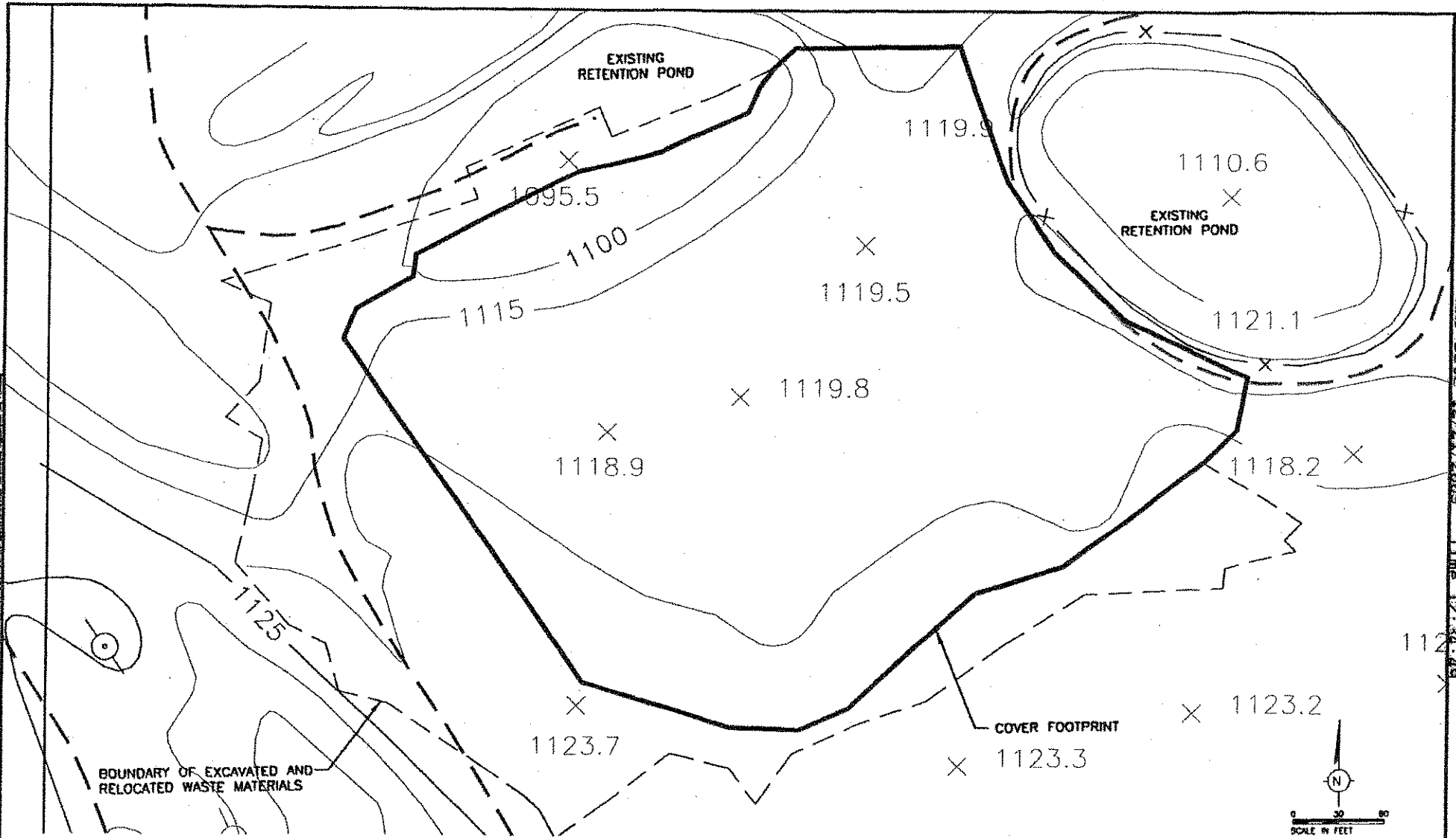
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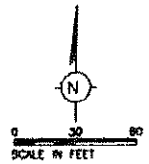


RIVERSIDE DISPOSAL AREA
 WASTE MANAGEMENT PLAN
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

DRAWN JMC	DATE 08/10/09	PROJECT MANAGER JMC	DEPARTMENT MANAGER JMC
SITE LOCATION MAP		LEAD DESIGN PROF. JMC	CHECKED JMC
		PROJECT NUMBER W00950.0010	FIGURE D-1



NJ Date 12/21/2009 Time 12:34:49



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NO.	DATE	REVISION DESCRIPTION	BY																					
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PROJECT MANAGER CC	DEPARTMENT MANAGER JC																							
LEAD DESIGN PROF. JC	CHECKED JC																							
PROJECT NUMBER M00860.001	DRAWING NUMBER D-2																							

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Attachment A

Example Inspection Forms

**Example Inspection Form
Final Cover
Riverside Disposal Area
Ford/Kingsford Site
(Page 1 of 2)**

Functional Group Assigned This Inspection Duty: _____

Inspector's Name: _____

Date of Inspection: _____

Time of Inspection: _____

Note: Perform this inspection on a quarterly basis for and after extreme weather events (e.g., tornadoes, 10-year/24-hour precipitation events) to inspect erosion.

Inspection Checklist

1. Cover: Walk the entire cover and perimeter.

- Are there any cracks or breaks in the soil cover? _____
- Are there any signs of uneven surfaces (depressions or bumps) or breakdown? _____
- Are there any signs of excessive erosion of cover or vegetated perimeter?

- Are there any signs of burrowing animals? _____

2. Settlement or subsidence.

- Are there any physical signs of settlement or subsidence? _____

Date of Inspection: _____

**Final Cover
Riverside Disposal Area
Ford/Kingsford Site
(Page 2 of 2)**

3. Stormwater Drainage Outlet

Walk the cover perimeter outlet.

- Is there evidence of erosion? _____
- Does silt accumulation prevent run-off? _____
- Are there signs of ponding? _____

4. Any deficiencies? _____

5. Inspect reference markers and permanent markers.

- Are the markers in need of repair? _____

6. Comments: _____

7. Corrective Action Required (Complete Corrective Action Form): _____

8. Inspector's Signature: _____

Send completed form to Ford/KPC for required records maintenance.

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Date of Inspection: _____

**Example Corrective Action Form
Riverside Disposal Area
Ford/Kingsford Site**

Report Number: _____

Date of Initial Inspection: _____

Name of Inspector: _____

Note: If Corrective Action cannot be completed within 30 days of the Initial Inspection Date, a Corrective Action Plan must be prepared and maintained in the operating record.

Corrective Action Work Order

Type of problem: _____

Required upgrade: _____

Corrective action assigned to: _____

Name

Date

Corrective Action Completion Report

Received on: _____ By: _____

Completed on: _____

Comments: _____

By: _____

Name

Date

Reinspection Report

Observations: _____

Comments: _____

Inspector: _____

Signature

Date

Send completed form to Ford/KPC for required records maintenance.

EXHIBIT E

WASTE MANAGEMENT PLAN FOR THE PROPERTY

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Appendix E

Waste Management Plan

**Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan**

**Prepared for:
Ford Motor Company
The Kingsford Products Company**

1. Introduction	1
1.1 Purpose and Scope	1
2. Background	3
2.1 Site Description	3
2.2 Interim Response Action Summary	3
3. IRAP Implementation	5
3.1 Excavation, Backfilling, and Grading	5
3.1.1 Clearing and Grubbing	5
3.1.2 Excavation and Backfilling	5
3.2 Solid Waste	5
3.2.1 Subsurface Soils	6
3.2.2 Waste Material	6
3.2.3 Verification Soil Sampling	6
3.3 Stormwater Management	7
3.3.1 Average Annual Rainfall	7
3.3.2 100-Year Storm Event	7
3.3.3 Retention Pond Characteristics	8
3.3.4 Retention Pond Analysis	8
3.4 Construction Stormwater, Sediment, and Erosion Control Practices	9
3.4.1 Silt Fences	9
3.4.2 Diversion Ditches	10
3.4.3 Check Dams	10
3.4.4 Sediment Ponds, Basins, and Dams	10
3.4.5 Temporary Construction Entrances	11
4. Future Work	12
4.1 Excavation, Backfilling, and Grading	12
4.1.1 Clearing and Grubbing	12

ARCADIS

Table of Contents

4.1.2	Excavation and Backfilling	12
4.2	Solid Waste	13
4.2.1	Waste Material	13
4.2.2	Verification Soil Sampling	13
4.3	Stormwater Management	14
4.4	Construction Stormwater, Sediment, and Erosion Control Practices	14
4.4.1	Silt Fences	15
4.4.2	Diversion Ditches	15
4.4.3	Check Dams	15
4.4.4	Temporary Construction Entrances	16
5.	Employee Training	18
6.	Emergency Response	19
6.1	Spill Prevention and Response	21
7.	Implementation	22
8.	WMP Approvals	23

Table

E6-1 Emergency Telephone Numbers and Directions to Dickinson County Memorial Hospital.

Figures

E2-1 Site Location Map, Riverside Disposal Area, Ford/Kingsford Site, Kingsford, Michigan.

E2-2 RDA Site Plan and Cover System Footprint, Riverside Disposal Area, Ford/Kingsford Site, Kingsford, Michigan.

E6-1 Route to Hospital, Riverside Disposal Area, Ford/Kingsford Site, Kingsford, Michigan.

Attachment

A Runoff Volume Calculations

1. Introduction

This Waste Management Plan (WMP) has been prepared for use in conjunction with implementation of the Interim Response Action Plan (IRAP) for the Riverside Disposal Area (RDA) at the Ford/Kingsford Site in Kingsford, Michigan. Waste generated at the RDA during the implementation of the IRAP and in future work conducted at the RDA will be handled in accordance with this plan. This document is organized to provide background information for the site, present the IRAP implementation waste management plan, followed by the approach for future waste management in the event that construction work that takes place after the IRAP construction has been completed. Future Work, Section 4, is presented stand-alone for ease of use. This WMP has been developed in compliance with the Public Act 451 of 1994. If any conditions or scope of work covered by the plan change, a site-specific addendum will be generated prior to the beginning of any work. All work will be performed in accordance with applicable federal, state, and local regulations.

1.1 Purpose and Scope

The objective of this WMP is to provide a framework for management of waste generated from the response activities at the RDA. It describes the methods and protocol that will be implemented for removal and disposal of waste, as set forth in the Natural Resource and Environmental Protection Act, Act 451 of 1994, Chapter 3 Waste Management and Part 91 Soil Erosion and Sedimentation Control. This document will also serve as a general WMP for intrusive activities (subsurface utility work, drilling, excavation, or construction) associated with any future work within the RDA. This WMP is to be used in conjunction with the site specific Construction Health and Safety Plan Guideline (CHASP) and the Operation and Maintenance Plan.

Elements of this plan address the following:

- Excavation, Filling, and Grading.
- Consolidation and Disposal of Waste.
- Stormwater, Sediment, and Erosion Control Practices.
- Safety, Health, and Emergency Response.
- Waste Management Team.

ARCADIS

Waste Management Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

The WMP defines the manner in which waste generated from the construction activities will be managed. Specifically, this plan addresses:

- Estimated volumes and types of waste generated.
- Locations of onsite areas where wastes will be stored.
- Stormwater management plan for average rainfall.
- Stormwater management plan for catastrophic event.
- Spill prevention.

ARCADIS

Waste Management
PlanInterim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

2. Background

2.1 Site Description

The City of Kingsford (City) is located in southwestern Dickinson County, in the western part of Michigan's Upper Peninsula. The city is bounded by the Menominee River on the west and south, and by the City of Iron Mountain on the north and east. A site location map is included as Figure E2-1. The RDA is located approximately 600 feet south of Pyle Drive in the northwest portion of the City. The RDA is contained within property owned by the City. Although the RDA is zoned for residential use, it is currently an open field and there are no structures located on the property. A site plan is included as Figure E2-2.

Investigations conducted by ARCADIS since 1997 focused on characterization of surface soils and a determination of the potential for the waste material to be a continuing release to groundwater. The CHASP contains a brief summary of site constituents with respect to Michigan residential soil criteria. The pathways that are important for purposes of management of soil directly under the constructed soil cover are exceedences for Residential and Commercial I Direct Contact Criteria; Residential and Commercial I Drinking Water Protection Criteria; Residential and Commercial I, Ambient Air, Particulate Soil Inhalation Criteria; and Residential and Commercial I Groundwater Surface Water Interface Protection Criteria.

2.2 Interim Response Action Summary

The primary focus of the Interim Response Action is to prevent direct contact and ambient air particulate exposure to impacted soils/waste materials, except under controlled conditions, and to allow the RDA to be used for City purposes.

The Interim Response Action for the RDA prevents direct contact and ambient air particulate exposure with impacted soils and underlying waste materials by construction of an engineered cover system and implementation of deed restrictions that maintain the integrity of the engineered cover system. Soil/wastes will be excavated from below the proposed Evergreen Court Street for placement in the RDA. Data collected at the RDA show that it is not a continuing source to groundwater, therefore the engineered cover system will consist of a permeable soil cover designed to prevent direct and ambient air contact with underlying materials. The deed restrictions will be written to allow the City to penetrate the cover system only under

Appendix E

Waste Management
Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

controlled, temporary conditions and under provisions that would restore the integrity of the cover system.

The following design elements will be used in preparing plans and specifications for implementation of the remedy:

- Soil and waste from below proposed Evergreen Court Street will be excavated and transported to the RDA for consolidation beneath the cover system.
- Common fill and topsoil will be at least 30-inches thick and cover the RDA delineated in Figure E2-2. Additional common fill may be placed as necessary to promote proper drainage.
- The topsoil will be seeded, fertilized, mulched, and tacked.
- Construction activity, present or future, must follow the site WMP and the site CHASP for the period specified in the restrictive covenant.

3. IRAP Implementation

3.1 Excavation, Backfilling, and Grading

3.1.1 Clearing and Grubbing

Clearing and grubbing will be performed on an incremental basis, only in areas of active construction. Proper sediment controls shall be implemented in all disturbed areas, as necessary, and disturbed areas shall be restored as soon as possible after construction is complete.

Any spoils encountered during clearing and grubbing activities will be stockpiled over the RDA and then consolidated beneath the cover system.

3.1.2 Excavation and Backfilling

Prior to excavation activities the appropriate stormwater controls must be chosen and utilized as described in Section 3.4 of this document. Proper sediment controls shall be implemented in disturbed areas, and disturbed areas shall be backfilled and restored as soon as practicable following completion of excavation. Temporary barriers will be constructed around the perimeter of the excavation. The barriers will be maintained during excavation and in the interim period between the completion of an excavation and backfilling to prevent surface runoff from entering the excavation. The excavation will not reach the groundwater depth of approximately 37 feet below land surface (ft bls).

Excavated materials from below the proposed Evergreen Court Street will be temporarily stockpiled within the RDA. Currently there is no vehicle traffic on the RDA. Stockpile locations will be selected by the construction contractor to facilitate access of construction vehicles to the excavation areas. Construction areas will be graded according to the design plans.

3.2 Solid Waste

Solid wastes will be removed from the planned excavation below proposed Evergreen Court Street (see Figure E2-2). Materials that are removed will be transferred to RDA where they will be consolidated and placed under the cover system. The following sections describe the methods that will be used to manage wastes generated from the Interim Response Action.

ARCADIS

Waste Management Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

3.2.1 Subsurface Soils

Waste materials, and overlying soils, will be excavated from below the proposed Evergreen Court Street that is located in the western portion of the RDA as shown on Figure E2-2. Approximately 4,250 cubic yards of soil/waste materials will be removed from this area based on the anticipated depths of the excavations. The area immediately east of the proposed Evergreen Court Street will be excavated to approximately 6 feet below land surface (ft bls). West of this excavation, the wastes pinch out to approximately 1 ft bls. The actual depth of the excavations will be based initially on visual indication that all waste has been removed from the pit followed by confirmatory soil sampling as described in Section 3.2.3. All excavated material will be consolidated in the RDA and placed beneath the cover system.

3.2.2 Waste Material

Waste material previously encountered within the RDA and an area along proposed Evergreen Court Street includes bricks, wood, charred wood, coal, metal, broken glass, and miscellaneous household items such as plastic trash bags, cloth, and vinyl flooring. If these objects are found during excavation activities, they will be consolidated into the RDA where they will be placed beneath the cover system. In the event that extracted waste material is not suitable for placement beneath the cover system, these materials will be transported to an appropriate off-site disposal facility.

3.2.3 Verification Soil Sampling

Confirmatory soil samples from waste excavation, such as the area along proposed Evergreen Court Street, will be collected from the base of the excavation to demonstrate adequate excavation according to Michigan Department of Environmental Quality (MDEQ) guidelines. Soil samples will be analyzed for analytical parameters that showed exceedences of the Residential Direct Contact Criteria during the Remedial Investigation (RI) activities. These constituents are 1,1,2,2-tetrachloroethene, antimony, arsenic, copper, and lead for Direct Contact Criteria. The samples will be submitted to the laboratory to determine if additional excavation is required. Soil samples will be collected according to the ARCADIS Quality Assurance Plan for the Ford/Kingsford Site and will be analyzed through an approved contract laboratory using Environmental Protection Agency (EPA) Analytical Methods 8260B (5035) for 1,1,2,2-tetrachloroethane.

Waste Management
PlanInterim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan**3.3 Stormwater Management**

ARCADIS will adhere to the requirements of the Clean Water Act (CWA) for protection of water quality at the site. Engineering controls will be established to prevent water runoff and run-on during excavation and construction activities. Containment systems will be deployed as necessary to prevent soils and sediments associated with excavation from reaching stormwater drainage points at the site.

3.3.1 Average Annual Rainfall

The primary focus of the IRAP is to prevent direct contact to impacted soils/waste materials. Data collected at the RDA show that impacted soil within the vadose zone is not a continuing source to groundwater, therefore the engineered cover system will consist of a permeable soil cover. Under average rainfall conditions, stormwater occurring during construction activities will be allowed to infiltrate through the cover system so stormwater collection will not be necessary. Stormwater will infiltrate over the 4-acre parcel or flow to two retention basins immediately adjoining the site. If sediment is carried over from the site property to the drainage basins, it will be recovered and placed beneath the cover system. The drainage plan for the cover area will maintain storm water flow to the basins.

3.3.2 100-Year Storm Event

In the case of catastrophic rainfall equivalent to a 100-year storm event, a stormwater containment plan will be activated as described in Section 6.0. The plan would be implemented to prevent offsite migration of sediments carried over by stormwater. Stormwater will be collected at two retention ponds located immediately adjacent to the property. Stormwater will settle within the pond, and infiltrate naturally through the soils. It may be necessary to clean out sediments from the retention basin once the stormwater is drained. If the storm occurs during the cover construction, with the possibility of impacted sediment, the sediment will be recovered from the ponds and placed beneath the soil cover.

The actual holding volume of the two ponds was calculated for comparison to the rainfall volume of a 100-year storm event. The expected rainfall volume of a 100-year storm was estimated based on climatic data for the expected amount of precipitation and the area of the surrounding land that drains into the RDA. These calculations are described in Sections 4.1.2.1 and 4.1.2.2. Erosion and sediment control practices that may be used as part of the stormwater containment plan are described in Section 3.4.

Waste Management
 Plan

Interim Response Action Plan
 Riverside Disposal Area
 Kingsford, Michigan

3.3.3 Retention Pond Characteristics

Two retention ponds are located adjacent to RDA (Figure E2-2). The east pond contributes a drainage area of 23.65 acres and the west pond contributes a drainage area of 8.36 acres. The land use of the drainage area consists of paved streets and driveways, minor residential, and predominately pasture or grassland in fair condition that drains by sheet flow directly into the retention ponds.

A review of the U.S. Department of Agriculture, Soil Conservation Service Soil Survey of Dickinson County revealed two soil types within the contributing drainage area. The soil types were identified as Pence fine sandy loam, Index Number 25B, with hydrologic soil group (HSG) "B" and Vilas loamy sand, Index Number 57B, with HSG "A."

3.3.4 Retention Pond Analysis

The drainage sub-basins of the two retention ponds were characterized based on the stormwater flow path and outfall. The soil type for the drainage sub-basin for the east retention pond includes approximately 40 percent of HSG "A" and approximately 60 percent of HSG "B." The western sub-basin soil type includes a HSG "A." Therefore, the composite curve number was determined to be 65 and 54 for the East and West sub-basins, respectively. For a conservative approach, scattered ponding in the area was not considered in the analyses.

The runoff volume (V) computations were determined for the 100-year/24-hour storm event using the Soil Conservation Service methodology. Per the MDEQ Land and Water Management Division, the amount of precipitation (P) that occurs in the two sub-basins in Dickinson County was determined to be 5.32 inches for Zone 1. These computations produced a rainfall volume of 3.67 acre-ft for the East sub-basin and 0.75 acre-ft for the West sub-basin. Runoff volume calculation spreadsheets and a contour map of the RDA are attached in Attachment A. Results of the analysis indicate that the East and West sub-basins are capable of holding the expected stormwater volume of 192,535 cubic feet (cf) per 24-hour period during a 100-year storm. The combined holding volume of the two sub-basins is approximately 468,652 cf. During a catastrophic storm event, the East sub-basin will be filled to 47 percent capacity and the West sub-basin will be filled to 25 percent capacity.

3.4 Construction Stormwater, Sediment, and Erosion Control Practices

Part 91 of Act 451 of 1994 requires a Soil and Sedimentation Control Permit prior to construction. Functional sediment and erosion controls must be constructed before commencing land disturbance activities. In individual construction areas, controls shall be constructed as soon as practicable after first disturbance of soils. Suggested erosion and sediment control practices include (but are not limited to):

- Sediment and erosion controls.
- Stormwater management practices.
- Sediment traps.
- Sediment ponds/retention ponds.

The sediment and erosion controls will consist of the following:

- Silt fence.
- Sediment ponds, basins, and dams.
- Diversion ditches.
- Check dams.
- Temporary construction entrances.

These controls are designed to prevent erosion of soils during construction activities and to protect stormwater quality after construction is complete. Controls are also in place to trap eroded material before it enters the proposed storm drainage system, and trap sediment before it leaves the site. All controls will be maintained in good condition and inspected periodically after beginning of a storm event. Each control is discussed in greater detail in the following subsections.

3.4.1 Silt Fences

Silt fences are used for sediment and erosion control during construction wherever runoff is expected in the form of sheet flow. Specifically, silt fences will be installed

Page 47 of 156
GL 695/47
NMJ Date 12/21/2009 Time 12:34:49

ARCADIS

Waste Management Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

around soil stockpiles, along the downslope perimeter of utility trenches, and along the downslope perimeters of construction areas. Silt fences decrease flow velocity and trap sediments where sheet flow conditions exist or where flow is through tiny rills that can be converted to sheet flow. Silt fences will not be used where flow is channelized. The silt fence shall be erected on relatively level ground a minimum distance of 5 feet from the toe of a slope. The bottom of the silt fences should be buried in the ground a minimum of 6 inches to prevent runoff from passing beneath the fence. Individual panels will be overlapped, and the ends of the silt fences will bend upslope to prevent water from flowing around the fence.

3.4.2 Diversion Ditches

Diversion ditches are used to carry sediment-laden runoff into a control structure or to carry clean runoff away from disturbed areas. The ditches provide permanent runoff control at the site. They are to be constructed on grade and act to intercept and transport channelized flows. Riprap check dams constructed along the lengths of the ditches on a regular spacing decrease flow velocity and facilitate settling-out of sediments by dissipating energy. Ditches that are to remain in place for longer than 30 days will be seeded and mulched. Sediment traps collect stormwater runoff from the diversion ditches for removal of soil particles prior to onsite discharge.

3.4.3 Check Dams

Check dams are constructed in diversion ditches to decrease flow velocity and facilitate settling-out of sediments by dissipating energy. The check dams provide runoff control during construction by causing sediment to settle out within the diversion ditches and by minimizing the amount of erosion by water flowing through the ditches. This minimizes the quantity of sediment being delivered to the sediment ponds. Temporary rock check dams may also be constructed in outlet channels to trap sediment that may enter the storm drainage system. A typical check dam is approximately 2-feet high and 2-feet wide at the top. The upslope riprap face of the check dams will be covered with 6 inches of washed stone.

3.4.4 Sediment Ponds, Basins, and Dams

Two existing retention ponds are located adjacent to the RDA as shown on Figure E2-2. Stormwater from the site and the immediate area flows to these ponds by gravity. The existing stormwater drainage system will be maintained after completion of

Waste Management
PlanInterim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

construction. Stormwater will infiltrate into the ground and remaining soils will settle out.

3.4.5 Temporary Construction Entrances

Temporary construction entrances will consist of gravel pads constructed of coarse aggregate (2- to 3-inch stone). The pads will be constructed in areas found to have relatively dry, firm soil to minimize the amount of soil or mud that adheres to the truck tires and undercarriages. In this way, the construction entrances will provide temporary soil stabilization during construction. Geotextile fabric shall be placed over the subgrade beneath the pads in wet areas. Truck and heavy equipment traffic will be routed over the pads, minimizing the tracking of soils around and off the site. Trucks will be decontaminated by steam cleaning prior to exiting the site if in contact with waste material as described in the site-specific CHASP Section 2.4.2 and summarized below.

Heavy equipment used in contaminated areas shall be decontaminated prior to moving to a clean location and before leaving the site. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris. Where possible, contaminated soil deposits will be removed and containerized (or placed below the soil cover).
- After removal of gross debris, the equipment will be steam cleaned using a high-pressure washer (i.e., Hotsy).
- After steam cleaning, the equipment will be allowed to dry and will be reinspected. Any remaining visible debris will be re-cleaned through additional pressure washing.

After debris is removed according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the closeout of the exclusion zone activities or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment will be inspected prior to release from the facility and inspection results will be documented in field logbooks. Decontamination wash water will be collected and sent to either the on-site water treatment system or an off-site permitted treatment/disposal system.

Waste Management
PlanInterim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

4. Future Work

Construction activities within the RDA that will penetrate the cover system will follow this WMP and the CHASP that was developed for the workers involved with construction activities where there is the possibility of dermal contact with impacted soils/waste materials beneath the cover system. Soils/waste materials that are excavated during future construction activities will be managed in accordance with this WMP. After future construction activities are complete, portions of the cover system that was disturbed will need to be restored to pre-construction condition. The disturbed area will be checked for settlement after construction activities. If settling has occurred, the cover system will be inspected for compliance with the specifications for the cover system. If the cover system does not meet the specifications, it will be re-constructed so that it does.

Maintenance activities, that involve penetrating the cover system, will be conducted in accordance with the site WMP and the CHASP. Any portion of the cover system, that is disturbed, will be re-covered with fill and topsoil, and then seeded and watered to establish vegetative growth or graveled and/or paved as appropriate. If at any time, impacted soils or wastes are generated from onsite activities, the WMP will be activated.

4.1 Excavation, Backfilling, and Grading

4.1.1 Clearing and Grubbing

Clearing and grubbing will be performed on an incremental basis, only in areas of active construction. Proper sediment controls shall be implemented in all disturbed areas, as necessary, and disturbed areas shall be restored as soon as possible after construction is complete. Any surface vegetation encountered during clearing and grubbing activities that occur after cover system construction will be managed as clean material as it does not have contact with waste materials.

4.1.2 Excavation and Backfilling

Prior to excavation activities the appropriate stormwater controls must be chosen and utilized as described in Sections 4.3 and 4.4 of this document. Proper sediment controls shall be implemented in disturbed areas, and disturbed areas shall be backfilled and restored as soon as practicable following completion of excavation. Temporary barriers will be constructed around the perimeter of the excavation. The

ARCADIS

Waste Management
PlanInterim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

barriers will be maintained during excavation and in the interim period between the completion of an excavation and backfilling to prevent surface runoff from entering the excavation. Excavated material from under the constructed cover system, (i.e., 30-inches below land surface), will be managed as in Section 4.2 Solid Waste.

Future construction will return the area to graded conditions associated with the designed cover so that drainage features and surface topography are restored.

4.2 Solid Waste

According to the IRAP, solid wastes will be removed from the planned excavation below proposed Evergreen Court Street (see Figure E2-2). Therefore, wastes are not anticipated in this area following IRAP implementation and should not be problematic in future construction. The following sections describe the methods that will be used to manage wastes generated from future activities that penetrate the cover system. The CHASP describes establishment of work zones, a decontamination area, and recommended work practices should construction activities involve waste material. Proper personnel, equipment, and material control and management are essential to minimize cross-contamination and protect human health and the environment.

4.2.1 Waste Material

Waste materials previously encountered within the RDA and an area along proposed Evergreen Court Street include bricks, wood, charred wood, coal, metal, broken glass, and miscellaneous household items such as plastic trash bags, cloth, and vinyl flooring. If these objects are found during excavation activities, they will be transported to an appropriate off-site disposal facility. Should future construction within the RDA require waste removal, confirmatory sampling will be necessary as referenced in the next section.

4.2.2 Verification Soil Sampling

Confirmatory soil samples from waste excavation will be collected from the base of the excavation to demonstrate adequate excavation according to MDEQ guidelines. Soil samples will be analyzed for analytical parameters that showed exceedences of the Residential Direct Contact Criteria during the RI activities. These constituents are 1,1,2,2-tetrachloroethene, antimony, arsenic, copper, and lead for Direct Contact Criteria. The samples will be submitted to the laboratory to determine if additional excavation is required.

Page 51 of 156
NYJ Date 12/21/2009
GL 695/51
Time 12:34:49

ARCADIS

Waste Management Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

Soil samples will be collected according to the ARCADIS Quality Assurance Plan for the Ford/Kingsford Site and will be analyzed through an approved contract laboratory using standard operating procedures published in SW-846 and EPA Methods for Chemical Analysis of Water and Wastes or standardized laboratory procedures.

4.3 Stormwater Management

Construction at the site is to be conducted according to the requirements of the CWA for protection of water quality at the site. Engineering controls will be established to prevent water runoff and run on during excavation and construction activities. Containment systems will be deployed as necessary to prevent soils and sediments associated with excavation from reaching stormwater drainage points at the site.

4.4 Construction Stormwater, Sediment, and Erosion Control Practices

Part 91 of Act 451 of 1994 requires a Soil and Sedimentation Control Permit prior to construction. Functional sediment and erosion controls must be constructed before commencing land disturbance activities. In individual construction areas, controls shall be constructed as soon as practicable after first disturbance of soils. Suggested erosion and sediment control practices include (but are not limited to):

- Sediment and erosion controls.
- Stormwater management practices.
- Sediment traps.

The sediment and erosion controls will consist of the following:

- Silt fence.
- Diversion ditches.
- Check dams.
- Temporary construction entrances.

These controls are designed to prevent erosion of soils during construction activities and to protect stormwater quality after construction is complete. Controls are also in

place to trap eroded material before it enters the proposed storm drainage system, and trap sediment before it leaves the site. All controls will be maintained in good condition and inspected periodically after beginning of a storm event. Each control is discussed in greater detail in the following subsections.

4.4.1 Silt Fences

Silt fences are used for sediment and erosion control during construction wherever runoff is expected in the form of sheet flow. Specifically, silt fences will be installed around soil stockpiles, along the downslope perimeter of utility trenches, and along the downslope perimeters of construction areas. Silt fences decrease flow velocity and trap sediments where sheet flow conditions exist or where flow is through tiny rills that can be converted to sheet flow. Silt fences will not be used where flow is channelized. The silt fence shall be erected on relatively level ground a minimum distance of 5 feet from the toe of a slope. The bottom of the silt fences should be buried in the ground a minimum of 6 inches to prevent runoff from passing beneath the fence. Individual panels will be overlapped, and the ends of the silt fences will bend upslope to prevent water from flowing around the fence.

4.4.2 Diversion Ditches

Diversion ditches are used to carry sediment-laden runoff into a control structure or to carry clean runoff away from disturbed areas. The ditches provide permanent runoff control at the site. They are to be constructed on grade and act to intercept and transport channelized flows. Riprap check dams constructed along the lengths of the ditches on a regular spacing decrease flow velocity and facilitate settling-out of sediments by dissipating energy. Ditches that are to remain in place for longer than 30 days will be seeded and mulched. Sediment traps collect stormwater runoff from the diversion ditches for removal of soil particles prior to onsite discharge.

4.4.3 Check Dams

Check dams are constructed in diversion ditches to decrease flow velocity and facilitate settling-out of sediments by dissipating energy. The check dams provide runoff control during construction by causing sediment to settle out within the diversion ditches and by minimizing the amount of erosion by water flowing through the ditches. This minimizes the quantity of sediment being delivered to the sediment ponds. Temporary rock check dams may also be constructed in outlet channels to trap sediment that may enter the storm drainage system. A typical check dam is approximately 2-feet high and

Appendix E

ARCADIS

Waste Management Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

2-feet wide at the top. The upslope riprap face of the check dams will be covered with 6 inches of washed stone.

4.4.4 Temporary Construction Entrances

Temporary construction entrances will consist of gravel pads constructed of coarse aggregate (2- to 3-inch stone). The pads will be constructed in areas found to have relatively dry, firm soil to minimize the amount of soil or mud that adheres to the truck tires and undercarriages. In this way, the construction entrances will provide temporary soil stabilization during construction. Geotextile fabric shall be placed over the subgrade beneath the pads in wet areas. Truck and heavy equipment traffic will be routed over the pads, minimizing the tracking of soils around and off the site. Trucks will be decontaminated by steam cleaning prior to exiting the site if in contact with waste material as described in the site-specific CHASP Section 2.4.2 and summarized below. The CHASP also describes establishment of work zones and a decontamination area should waste be encountered.

Heavy equipment used in contaminated areas shall be decontaminated prior to moving to a clean location and before leaving the site. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris. Where possible, contaminated soil deposits will be removed and containerized (or placed below the soil cover).
- After removal of gross debris, the equipment will be steam cleaned using a high-pressure washer (i.e., Hotsy).
- After steam cleaning, the equipment will be allowed to dry and will be reinspected. Any remaining visible debris will be re-cleaned through additional pressure washing.

After debris is removed according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the closeout of the exclusion zone activities or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment will be inspected prior to release from the facility and inspection results will be documented in field logbooks. Decontamination wash water

ARCADIS

Appendix E

Waste Management
Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

will be collected and sent to either the on-site water treatment system or an off-site permitted treatment/disposal system.

Waste Management
PlanInterim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

5. Employee Training

The employee-training program must inform project personnel of the components and objectives of the WMP, and the measures that will be implemented to ensure that these objectives are attained. Training will address each component of the plan, and will inform personnel as to why and how control practices are to be implemented. Topics will include, at a minimum, the following:

- Spill prevention and response.
- Good housekeeping practices.
- Equipment operations training.
- Material management practices.
- Inspection and maintenance of sediment and erosion control practices.

Certain employees will receive initial training at the start of construction and periodic refresher training thereafter. Hazardous material training is discussed in the CHASP for the site and is pertinent for personnel to be working with waste material.

Waste Management
PlanInterim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

6. Emergency Response

The CHASP generated for the IRAP implementation at the RDA contains a detailed emergency response procedure in Section 10.0 and is applicable to this WMP for both IRAP implementation and for future work. A list of emergency contacts and phone numbers is attached as Table D6-1 of the CHASP and a map showing the route from the site to Dickinson County Memorial Hospital is included as Figure E6-1 in the CHASP.

Should a spill or leak of a hazardous substance occur, the following procedures will be followed:

- Contact the National Response Center immediately at (800) 424-8802.
- Contact the Michigan Department of Environmental Quality/Regional EPA Office within 24 hours of discovery at (906) 875-6622.
- Contact the Breitung Fire Department immediately at (906) 774-7505.
- Contact the State Fire Marshall immediately at (517) 336-6604.
- For a release that goes beyond the boundary of the property, immediately contact the local emergency planning committee (LEPC) for the area affected (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). Submit a written report as soon as practicable after release to the state emergency response commission, in care of the MDEQ, Environmental Assistance Division, and to the LEPC.
- For an unpermitted release over a 24-hour period of a hazardous substance, contact the MDEQ, Environmental Response Division district office (or pollution emergency alerting system [PEAS] after hours) within 24 hours of discovery. From within Michigan, call 800-292-4706; from outside Michigan, call 517-373-7660.

Appendix E

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Waste Management
Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- For an incident involving transportation of hazardous materials that results in fire, death, injury, property damage, evacuation, highway closure or flight pattern alteration, contact the U.S. Department of Transportation (DOT) at 800-424-8802. Submit written report to DOT within 30 days of discovery.
- For a release that results in one death or the hospitalization of three or more persons, contact the Michigan Occupational Safety and Health Act Hotline at 800-858-0397 within 8 hours of the incident.
- For unpermitted release to the public sewer system, surface water or groundwater from an oil storage facility or on-land facility of a polluting material, contact PEAS as soon as practicable after detection (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). Submit written report within 10 days after release to the MDEQ, Waste Management Division chief.

For situations that involve materials other than fuel:

Where any amount of characteristic hazardous or listed hazardous waste (as defined in R 299.9203 "Hazardous Waste Rule 203"), has reached the surface water or groundwater,

or

A fire, explosion, or other release of hazardous waste or hazardous waste constituents occurs that could threaten human health or the environment.

or

A release of >1lb (or ≤1lb if not immediately cleaned up) hazardous waste to the environment from a tank system or associated secondary containment system.

- Immediately contact PEAS within 24 hours of discovery (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). If threat to human health or environment, call the National Response Center (800-424-8802). Written report may be required.

Waste Management Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- If liquid industrial waste spill could threaten public health, safety, welfare or the environment, or has reached surface water or groundwater, immediately call PEAS (from within Michigan call 800-292-4706; from outside Michigan call 517-373-7660). Submit written report within 30 days of incident to MDEQ, Waste Management Division district supervisor.

For situations that involve polychlorinated biphenols (PCBs):

- Where there is a spill of PCBs, contact the U.S. EPA Region V Toxic Program Section at 312-886-6003 as soon as possible after discovery, and within 24 hours.

In the event of a release, this WMP will be amended within 14 calendar days of the event to minimize the chance of event reoccurrence.

6.1 Spill Prevention and Response

To prevent or minimize the potential for stormwater and groundwater contamination at fueling areas, the following general practices for all near-term and future construction will be implemented:

- Leaks and spills shall be contained and cleaned-up as soon as possible using dry absorbent materials, and leaking equipment shall be removed from the site and repaired or replaced.
- Fuel drums, tanks, and containers shall be stored in a bermed area or in overpack containers, spill pallets, or similar containment devices with a capacity of 110 percent of the volume of stored fuel.
- Overfill prevention devices will be installed on all fuel pumps and tanks.

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Appendix E

Waste Management
Plan

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

7. Implementation

Implementation of this WMP during construction will be the responsibility of the Waste Management Team as provided by the construction Contractor. Waste Management Team members shall be properly trained, as discussed in Section 5.0 of this document. A list of objectives and implementation procedures will be developed for each construction task, along with a preliminary task completion schedule. The Waste Management Team shall also be responsible for ensuring stormwater and sediment and erosion control practices are in place at the appropriate time.

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Table E6-1. Emergency Phone Numbers and Directions to Dickinson County Memorial Hospital.

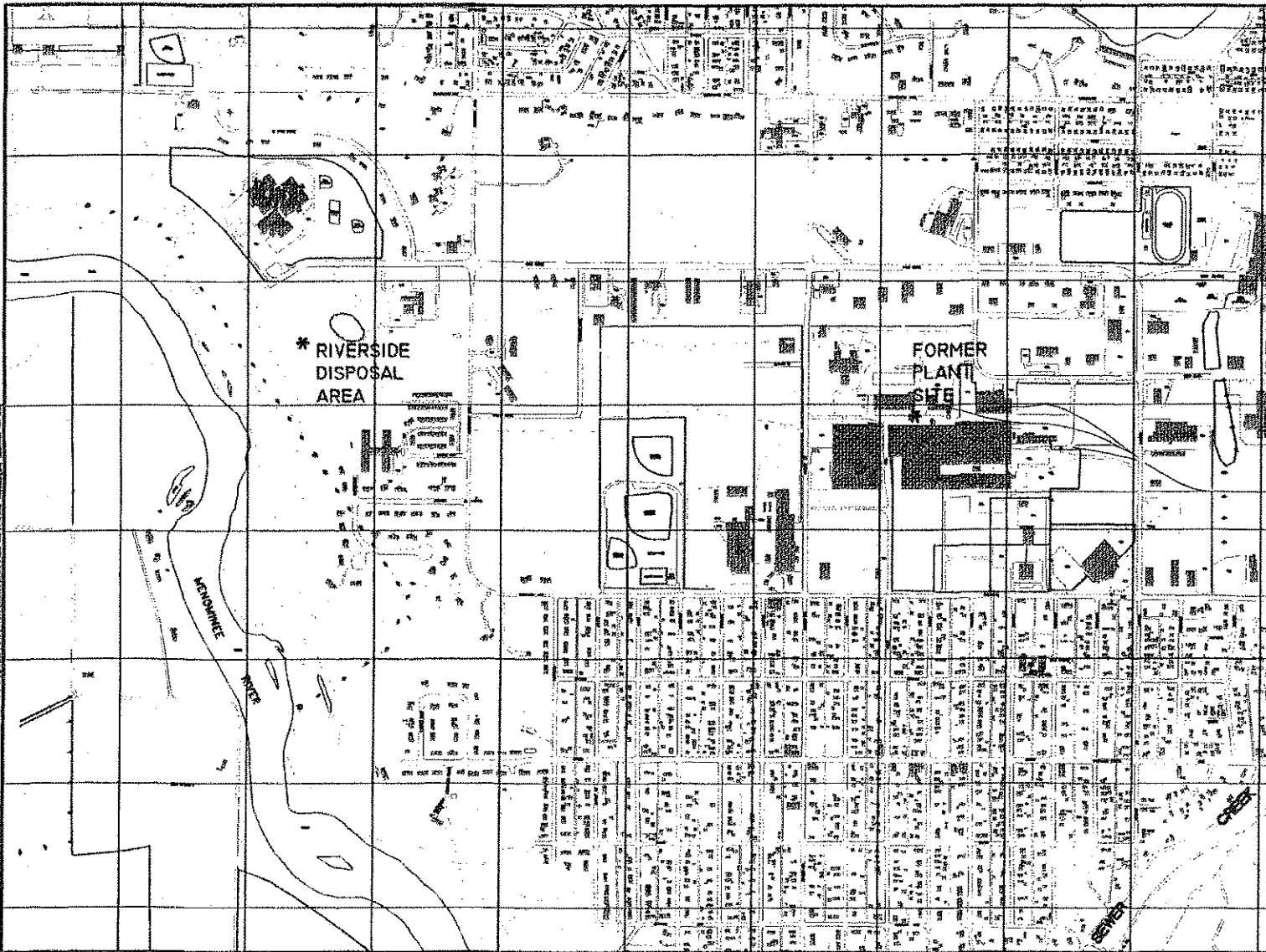
Area Code	
	906
Police Emergency	911
Police Non-Emergency	774-2525
Fire Emergency	911
Fire Non-Emergency	774-1265
Ambulance	911
Beacon Ambulance Service	779-5050
Rescue Squad	911
Dickinson County Sheriff	774-6262
Hospital Emergency	779-4555
Hospital Non-Emergency	774-1313
Poison Control Center	1 (800) 562-9781
Toxic Substances Center for Disease Control (CDC)	1 (404) 452-4100
CDC Hotline	1 (202) 554-1404 1 (404) 329-2888
Contractor Project Manager	Insert Contact Numbers
Client Contacts	
Ford Motor Company David Miller	1 (313) 322-3761
Kingsford Products Company Daniel Musgrove	1 (708) 728-4328
Contractor Corporate Health & Safety	Insert Contact Numbers
Diggers Hotline	1 (800) 482-7171

Dickinson County Memorial Hospital - South US Highway 2, Iron Mountain, Michigan

Directions to Hospital:

(Refer to Figure E6-1)

East on Breitung Avenue to Hydraulic Falls Road. North (left) on Hydraulic Falls Road to US Highway 2 (Stephenson Avenue). South (right) on US Highway 2 for approximately 1 mile to Dickinson Memorial Hospital.




- NOTES
1. HORIZONTAL DATUM BASED ON MICHIGAN STATE PLUMBING CORPORATE SYSTEM.
 DATE OF PHOTOGRAPH: 08/04/07
 AIRBORNE PHOTO SURVEY CORPORATION # 2004-13
 2. ACCURACIES NOT GUARANTEED IN OBTAINED AREAS SHOWN BY DASHED CONTOURS AND UNDERLINED ELEVATIONS

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 Project: WASTE MANAGEMENT PLAN FOR THE FORD/KINGSFORD SITE
 Date: 12/21/2009
 Drawn by: NMJ
 Checked by: RL
 Project Manager: RL
 Department Manager: RL
 Project Number: W100950.0010
 Figure: E-1

NO.	DATE	REVISION DESCRIPTION	BY

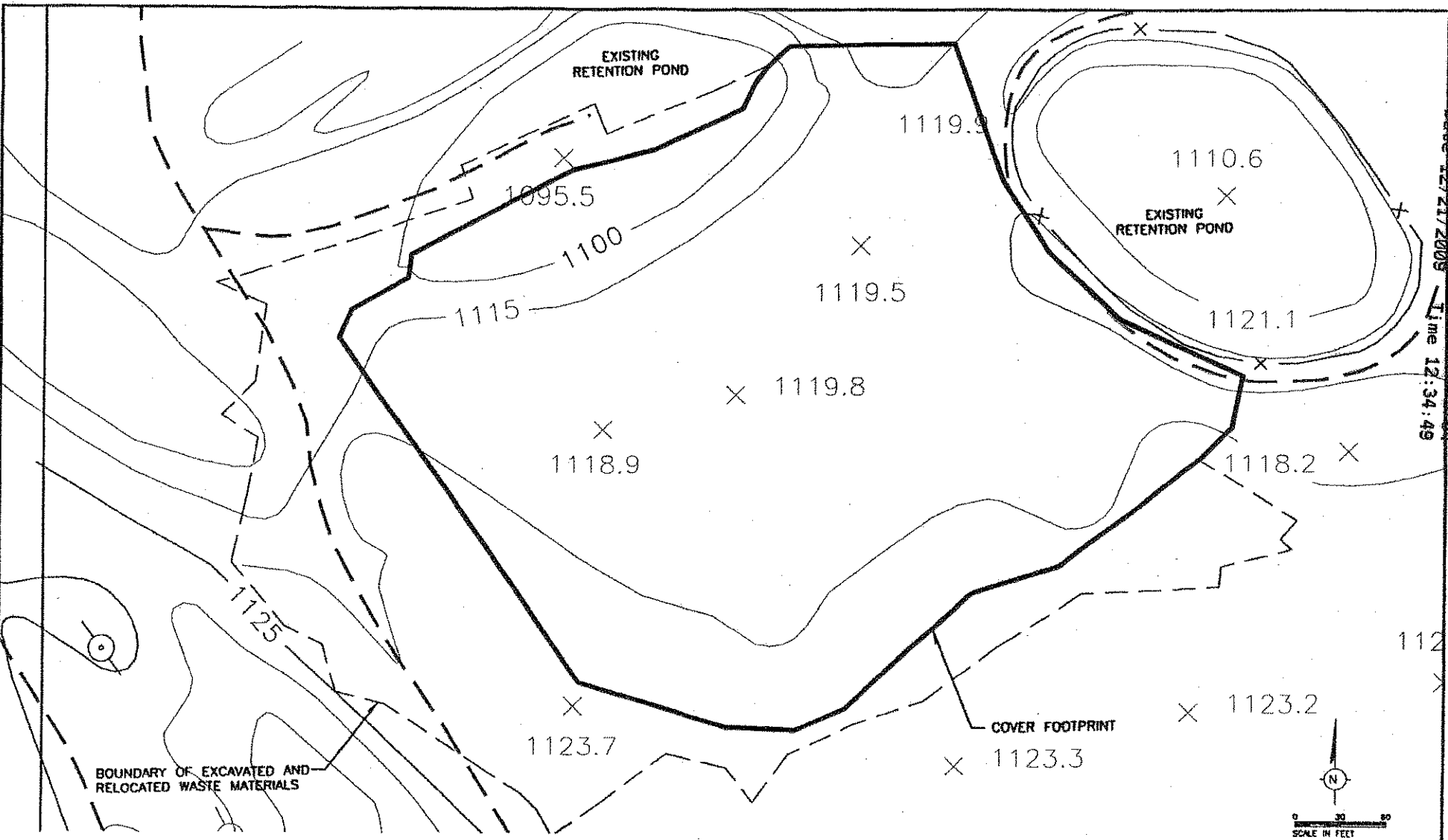
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 2000 Westborough Road, Suite 100
 Farmington Hills, MI 48334-1000
 Tel: 248.850.1000 Fax: 248.850.1000



RIVERSIDE DISPOSAL AREA
 WASTE MANAGEMENT PLAN
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

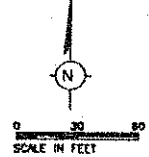
DRAWN NMJ	DATE 12/21/09	PROJECT MANAGER RL	DEPARTMENT MANAGER RL
SITE LOCATION MAP		LEAD DESIGN PROF. RL	CHECKED BY RL
		PROJECT NUMBER W100950.0010	FIGURE E-1

MHI Date: 12/21/2009 Time: 12:34:49
 SI 692/64

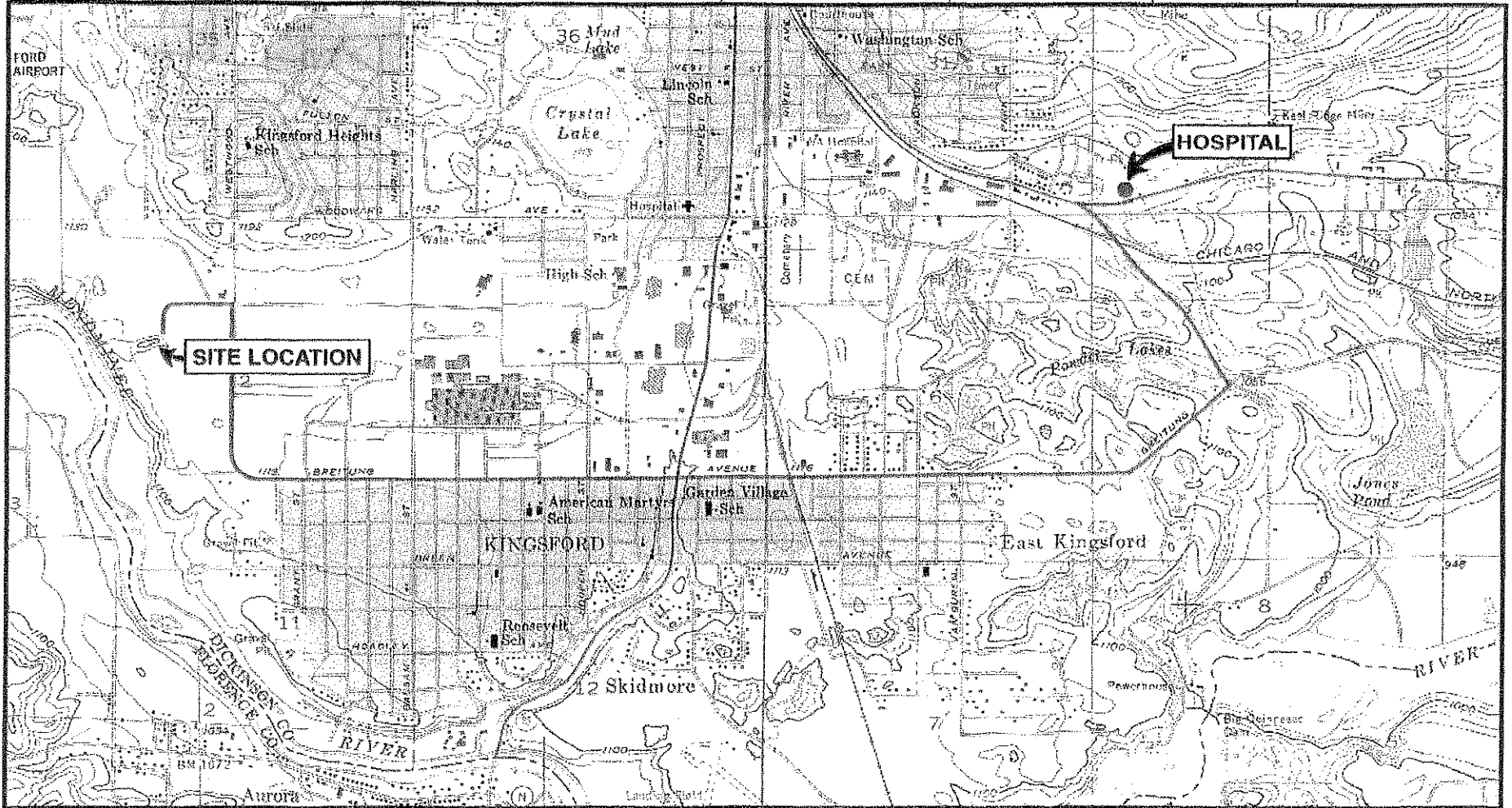


BOUNDARY OF EXCAVATED AND RELOCATED WASTE MATERIALS

COVER FOOTPRINT

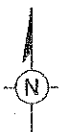
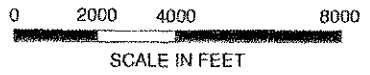


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					COVER SYSTEM FOOTPRINT	LEAD DESIGN PROJ.: <u>BE</u> CHECKED: <u>BE</u> PROJECT NUMBER: <u>W00860.001</u> DRAWING NUMBER: <u>E-2</u>



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICH.-WIS. Quadrangle, 1955, Photorevised 1982

Route to Hospital: Pyle Drive to Westwood Avenue. Right (south) to Breitung Avenue. East on Breitung Avenue to Hydraulic Falls Road. North on Hydraulic Falls Road to U.S. Highway 2 (Stephenson Avenue). South on U.S. Highway 2 to Dickinson County Memorial Hospital.
Hospital Address: 1721 Stephenson Avenue, Iron Mountain, Michigan.



ROUTE TO HOSPITAL

WASTE MANAGEMENT PLAN
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE
E6-1

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Attachment A

Runoff Volume Calculations

I. EAST SUB-BASIN

Weighted SCS Curve Number Calculations

Land Use	Soil Name	Hyd. Grp.	Soil Map No.	Area (ac)	CN	Weighted CN
Pavement	Pence fine sandy loam	B	25B	1.42	98	5.88
Pavement	Vilas loamy sand	A	57B	0.94	98	3.90
Residential	Pence fine sandy loam	B	25B	1.00	70	2.96
Residential	Vilas loamy sand	A	57B	0.66	54	1.51
Grass	Pence fine sandy loam	B	25B	11.78	69	34.37
Grass	Vilas loamy sand	A	57B	<u>7.85</u>	49	<u>16.26</u>
				23.65		64.88

Total contributing drainage area, (A) = 23.65 ac

Weighted Curve Number (CN) = 64.88

100-Year, 24-Hour Rainfall Depth (P) = 5.32 in. See attached figure

SCS Runoff Volume Calculations

Potential Storage Abstraction (S) = $1000/CN - 10$ = 5.413

Runoff Depth (Q) = $(P - 0.2S)^2 / (P + 0.8S)$ = 1.86 in

Weighted Rational Coefficient

C = inches runoff / inches rainfall = Q / P = 0.35

100-Year, 24-Hour Rainfall Volume

Runoff Volume (V) = A x Q = 3.67 ac-ft

II. WEST SUB-BASIN

Weighted SCS Curve Number Calculations

Land Use	Soil Name	Hyd. Grp.	Soil Map No.	Area (ac)	CN	Weighted CN
Pavement	Vilas loamy sand	A	57B	0.84	98	9.85
Residential	Vilas loamy sand	A	57B	0.00	54	0.00
Grass	Vilas loamy sand	A	57B	<u>7.52</u>	49	<u>44.08</u>
				8.36		53.92

Total contributing drainage area, (A) = 8.36 ac

Weighted Curve Number (CN) = 53.92

100-Year, 24-Hour Rainfall Depth (P) = 5.32 in. See attached figure

SCS Runoff Volume Calculations

Potential Storage Abstraction (S) = $1000/CN - 10$ = 8.545

Runoff Depth (Q) = $(P - 0.2S)^2 / (P + 0.8S)$ = 1.07 in

Weighted Rational Coefficient

C = inches runoff / inches rainfall = Q / P = 0.20

100-Year, 24-Hour Rainfall Volume

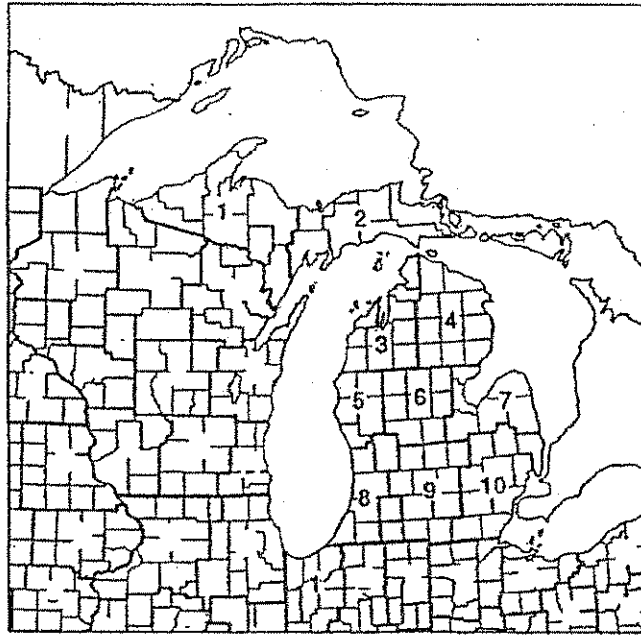
Runoff Volume (V) = A x Q = 0.75 ac-ft

Runoff curve numbers for hydrologic soil-cover complexes

(AMC-II conditions)

Land use	Treatment or practice	Hydrologic condition	Hydrologic soil group			
			A	B	C	D
Fallow	Straight row		77	86	91	94
Row crops	Straight row	Poor	72	81	88	91
	"	Good	67	78	85	89
	Contoured	Poor	70	79	84	88
	"	Good	65	75	82	86
	" and terraced	Poor	66	74	80	82
	" " "	Good	62	71	78	81
Small grain	Straight row	Poor	65	76	84	88
	"	Good	63	75	83	87
	Contoured	Poor	63	74	82	85
	"	Good	61	73	81	84
	" and terraced	Poor	61	72	79	82
	" " "	Good	59	70	78	81
Close-seeded legumes or rotation meadow	Straight row	Poor	66	77	85	89
	"	Good	58	72	81	85
	Contoured	Poor	64	75	83	85
	"	Good	55	69	78	83
	" and terraced	Poor	63	73	80	83
	" " "	Good	51	67	76	80
Pasture or range		Poor	68	79	86	89
		Fair	49	69	79	84
		Good	39	61	74	80
	Contoured	Poor	47	67	81	88
	"	Fair	25	59	75	83
	"	Good	6	35	70	79
Meadow			30	58	71	78
Woods		Poor	45	66	77	83
		Fair	36	60	73	79
		Good	25	55	70	77
Residential	? acre or less lot size		77	85	90	92
	¼ acre		61	75	83	87
	1/3 acre		57	72	81	86
	½ acre		54	70	80	85
	1 acre		51	68	79	84
Open spaces (parks, golf courses, cemeteries, etc.)	Good condition: Grass cover > 75% of area		39	61	74	80
	Fair condition: " " 50-75% of area		49	69	79	84
Commercial or business area (85% impervious)			89	92	94	95
Industrial district (72% impervious)			81	88	91	93
Farmsteads			59	74	82	86
Paved areas (roads, driveways, parking lots, roofs)			98	98	98	98
Water surfaces (lakes, ponds, reservoirs, etc.)			100	100	100	100
Swamp	At least 1/3 is open water		85	85	85	85
Swamp	Vegetated		78	78	78	78

Climatic Zones for Michigan.



Rainfall amounts corresponding to the climatic zones in Table 3.1 from the Rainfall Frequency Atlas of the Midwest, Huff and Angel (1992)

Zone	Rainfall frequencies, 24-hour duration (rainfall in inches)					
	2-year	5-year	10-year	25-year	50-year	100-year
1	2.39	3.00	3.48	4.17	4.73	5.32
2	2.09	2.71	3.19	3.87	4.44	5.03
3	2.09	2.70	3.21	3.89	4.47	5.08
4	2.11	2.62	3.04	3.60	4.06	4.53
5	2.28	3.00	3.60	4.48	5.24	6.07
6	2.27	2.85	3.34	4.15	4.84	5.62
7	2.14	2.65	3.05	3.56	3.97	4.40
8	2.37	3.00	3.52	4.45	5.27	6.15
9	2.42	2.98	3.43	4.09	4.63	5.20
10	2.26	2.75	3.13	3.60	3.98	4.36

EXHIBIT F

HEALTH AND SAFETY PLAN GUIDELINE FOR THE PROPERTY

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Appendix F

Construction Health and Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

Prepared for:
Ford Motor Company
The Kingsford Products Company

ARCADIS

Table of Contents

1.	Introduction	1
2.	Contractor Organization and Responsibilities	3
2.1	Organizational Structure	3
2.2	Record Keeping Requirements	4
2.3	Training	5
2.4	Health and Safety Meeting	7
2.5	Health Monitoring and Surveillance	7
3.	Background	10
3.1	Site Description	10
3.2	Site History	10
3.3	Interim Response Action Summary	10
4.	Chemical Constituent Descriptions	12
5.	Potential Exposure Pathways and Hazard Evaluation	18
5.1	Chemical Hazards	18
5.2	Physical Hazards	19
5.2.1	Flammability and Explosivity of Vapors	19
5.2.2	Construction Explosive Hazards	19
5.2.3	Noise Exposure	19
5.2.4	Heat/Cold Stress	19
5.2.5	Lacerations and Contusions (Cuts and Bruises)	20
5.2.6	Insect and Wildlife Hazards	20
5.2.7	Lifting Hazards	20
5.2.8	Packaging and Shipping Hazards	20
5.3	Field Activities/Physical Hazards	21
5.3.1	Hazard Analysis: Excavation	21
5.3.2	Hazard Analysis: Restoring the 30-inch Protective Cover	22
5.3.3	Hazard Analysis: Collecting Soil Samples for Laboratory Analysis	22

5.3.4	Hazard Analysis: Geotechnical Sampling as Required During Construction	23
6.	Personnel Protection Program	24
6.1	Level D Protection	24
6.2	Level D Modified Protection	25
6.3	Level C Protection	25
6.4	Decontamination Procedures	27
6.4.1	Level D Decontamination Procedures	27
6.4.2	Level C Decontamination Procedures	27
6.5	Heat Stress Control and Monitoring	29
6.6	Cold Stress Control and Monitoring	30
7.	Air Monitoring	33
7.1	Air Monitoring	33
7.2	Perimeter Monitoring	33
7.3	Organic Vapor Monitoring	34
7.4	Combustible Gas/Oxygen Monitoring	35
8.	Site Control	36
8.1	Site Preparation	36
8.2	Work Zones	37
8.2.1	Exclusion Zone	37
8.2.2	Contaminant Reduction Zone	37
8.2.3	Support Zone	38
8.3	General Work Rules	38
8.3.1	Overhead Utilities	39
8.3.2	Inclement Weather	39
8.3.3	Manual Lifting	40
8.3.4	Portable Ladders	40
8.3.5	Heavy Equipment Safety	41

ARCADIS

Table of Contents

8.3.6	Driver Safety	42
8.3.7	Power and Hand Tools	42
8.3.8	Hand Protection	42
8.3.9	Lockout/Tagout	43
8.3.10	Traffic Control	43
8.3.11	Material Storage	43
8.3.12	Fire Prevention	43
8.3.13	Inspections	43
8.4	Site Security	44
8.5	Site Visitors	44
8.6	Disposal of Material	45
9.	Engineering Controls	46
10.	Emergency Procedures	47
10.1	Emergency Phone Numbers and Hospital Location	47
10.2	Personnel Injury in the Exclusion Zone	47
10.3	Personnel Injury in the Support Zone	47
10.4	Fire/Explosion Emergency Procedures	48
10.4.1	Emergency Procedures	48
10.4.2	Emergency Medical Care	49

Tables

- F4-1. Chemical Constituents of Potential Concern, Exposure Limits, and Properties, Riverside Disposal Area, Kingsford, Michigan.
- F6-1. Signs and Symptoms of Chemical Exposure and Heat Stress that Indicate Potential Medical Emergencies, Riverside Disposal Area, Kingsford, Michigan.
- F7-1. Action Levels, Riverside Disposal Area, Kingsford, Michigan.
- F10-1. Emergency Phone Numbers and Directions to Dickinson Country Memorial Hospital, Riverside Disposal Area, Kingsford, Michigan.

Figures

- F2-1. Project Health and Safety Organization and Reporting, Riverside Disposal Area, Kingsford, Michigan.
- F2-2. Health and Safety Meeting Form, , Riverside Disposal Area, Kingsford, Michigan.
- F2-3. Sample Field Team Review Sheet, Riverside Disposal Area, Kingsford, Michigan.
- F2-4. Sample Visitor Log and Review of Site Health and Safety Plan, Riverside Disposal Area, Kingsford, Michigan.
- F2-5. Sample Emergency Medical Data Sheet, Riverside Disposal Area, Kingsford, Michigan.
- F2-6. Sample Emergency Report Form, Riverside Disposal Area, Kingsford, Michigan.
- F2-7. CHASP Approvals, Riverside Disposal Area, Kingsford, Michigan.
- F3-1. Site Location, Riverside Disposal Area, Kingsford, Michigan.
- F3-2. Riverside Disposal Area Map, Kingsford, Michigan.
- F3-3. Waste Excavation and Relocation Plan, Riverside Disposal Area, Kingsford, Michigan.
- F6-1. Minimum Decontamination Layout; Level D Protection, Riverside Disposal Area, Kingsford, Michigan.
- F6-2. Minimum Decontamination Layout; Level C Protection, Riverside Disposal Area, Kingsford, Michigan.
- F10-1. Route to Hospital, Riverside Disposal Area, Kingsford, Michigan.

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Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

1. Introduction

This Construction Health and Safety Plan Guideline (CHASP) has been prepared for use in conjunction with an Interim Response Action Plan (IRAP) for the Riverside Disposal Area (RDA) at the Ford/Kingsford Site in Kingsford, Michigan. This document presents requirements that must be incorporated into a contractor generated Construction Health & Safety Plan (Contractor CHASP) when conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. The Contractor will generate the Contractor CHASP as part of their work for the identified site conditions, scope of work, and necessary personnel in accordance with the guidelines presented here. The contractors may include additional content consistent with their own corporate health and safety guidelines or procedures. The responsibility of the development, implementation, and enforcement of the Contractor CHASP lies solely with the Contractor, not Ford or KPC.

The elements of the CHASP are based upon the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (October 1985) and the Michigan Occupational Safety and Health Act and its Rules. These guidelines have been supplemented by information obtained during site visits. All reasonable precautions will be taken by the selected Contractor and its subcontractors to protect the safety and health of workers and the general public. All work will be performed in accordance with applicable federal, state, and local regulations.

The objective of this CHASP is to structure and maintain safe working conditions at the site and to develop a plan of action in the case of a site emergency during field activities. The safety organization and procedures have been established based on an analysis of potential hazards, and personnel protection measures have been selected in response to these potential hazards.

Elements of this plan address the following:

- Project Organization.
- Site History and Project Description.
- Training.
- Potential Hazards of Site Contaminants.

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Appendix F

Construction Health
And Safety Plan
Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Activity Hazard Analysis.
- Safety Considerations for Site Operations.
- Protective Equipment.
- Monitoring Requirements.
- Site Control Zones and Communication.
- Medical Surveillance.
- Decontamination and Waste Disposal.
- Emergency Response Plan.

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Appendix F

Construction Health
And Safety Plan
Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

2. Contractor Organization and Responsibilities

The Contractor will be responsible for its employees and their adherence to the Contractor CHASP during construction activities that have the potential to disturb the cover system and expose personnel to the waste material below the cover. The Contractor CHASP will adhere to the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (October 1985 and March 1989) prepared by the National Institute for Occupational Safety and Health (NIOSH), Occupational Safety and Health Administration (OSHA), US Coast Guard (USCG), and US Environmental Protection Agency (USEPA). The Contractor CHASP will also adhere to Michigan Occupational Safety and Health Act and its Rules. Trained staff will supervise the work in accordance with the health and safety requirements described herein, the current edition of the Michigan regulations for hazardous waste operations and all applicable federal, state, and local health and safety regulations.

2.1 Organizational Structure

Proper planning and careful Contractor CHASP implementation is essential to carrying out the proposed construction activities at the site. An organizational structure detailing personnel requirements and responsibilities is presented in this section. The organizational structure defines the chain of command and identifies the person responsible for directing activities related to the project. Necessary personnel for project implementation will be identified as well as their general functions and responsibilities. This structure also identifies lines of authority, responsibility, and communication among the project team and indicates the person(s) responsible for communicating with the emergency response community. A typical organization chart is shown on Figure F2-1.

An overall project manager (PM) and a project superintendent (PS) and Site Safety Officer (SSO) will be called out by the Contractor in the plan, and an alternate project manager and project superintendent will be identified. Their responsibilities include:

- Having the authority to direct all activities.
- Ensuring the implementation of the Contractor CHASP and effective loss control principles.
- Ensuring that safe work rules and practices are enforced.

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Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Performing on-site inspections to make certain the Contractor CHASP is being followed.
- Implementing corrective actions following audits, inspections, incident investigations, etc.
- Ensuring that resources are available for all health and safety requirements.
- Assigning trained and qualified personnel to project tasks.
- Providing the appropriate monitoring and safety equipment necessary for implementing the Contractor CHASP.

The PM and PS have the ability to authorize the following safety-related suspensions:

- Temporary suspension of field activities if the health and safety of personnel are endangered.
- Temporary suspension of an individual from field activities for infraction of the Contractor CHASP.

The PM and PS will have ready access to occupational health and safety professionals, including an industrial hygienist.

2.2 Record Keeping Requirements

The PS shall ensure that all health and safety record keeping requirements mandated by Rule 408.22101 et seq., Rule 324.52101 et seq. under the Michigan Occupational Safety and Health Act, and any other applicable standards are met. An administrative area will be designated for maintenance of such records including Michigan Occupational Safety and Health Act (MIOSHA) certifications, exposure monitoring records, training certificates, and health and safety field logbooks. Additional records to be kept, when applicable, may include the following:

- Daily Health and Safety Meeting Form (Figure F2-2).
- Field Team Review Sheet (Figure F2-3).

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Appendix F

Construction Health
And Safety Plan
Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Visitor's log and Contractor CHASP sign-off (Figure F2-4).
- Qualification and testing for respirator use and fit test.
- Emergency Medical Data Sheets (Figure F2-5).
- Calibration logs as described in Section 7.3.
- Monitoring logs for VOCs, oxygen levels, particulates, and any other monitored parameter.
- Perimeter monitoring charts, data, and calculation sheets.
- PPE log for levels of protection greater than Level D with date, type of PPE, time and duration of PPE use.
- Exposure and incident reports.
- Emergency Report Form (Figure F2-6).
- Work stoppage and work re-start reports.
- Copies of the Contractor CHASP with appropriate signatures, CHASP Approvals (Figure F2-7).

2.3 Training

It will be the responsibility of the PM, PS and SSO to ensure that properly trained personnel are assigned to each work task. Members of the project team performing tasks that could potentially result in exposure to waste materials will have satisfied the training requirements of Rule 325.52101 et seq. (MIOSHA regulation of hazardous waste site activities). MIOSHA certificates for these members should be current and available. These employees will also be subject to appropriate medical surveillance in accordance with Rule 325.52101 et seq. Site-specific training will be provided as necessary for those workers, including subcontractors, and will include a discussion of the following topics:

- Names of all health and safety related personnel and alternates.

ARCADIS

Construction Health
And Safety Plan
Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Health and safety organization.
- Locations where Contractor CHASP will be stored.
- Nature of anticipated hazards.
- Recognition and guidance of hazards at the site.
- Safe use of engineering controls and equipment on the site.
- Hazard communication.
- Exposure risk.
- Safe work practices.
- PPE to be used.
- Personnel and equipment decontamination procedure.
- Air monitoring.
- Emergency procedures and on-site First Aid Station and Procedures.
- Rules and regulations for vehicle use.
- Safe use of field equipment.
- Handling, storage, and transportation of hazardous materials.
- Employee rights and responsibilities.

Additionally, field personnel will be responsible for knowing and understanding the information contained in the Contractor CHASP. Attendees shall also sign a Field Team Review Sheet stating that they have been trained in, understand, and agree to comply with the provisions of the Contractor CHASP. Anyone refusing to sign the form will be prohibited from working at the site.

**Construction Health
And Safety Plan
Guideline**Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

When a new employee has been assigned to the site, the PS and SSO must present a similar briefing before the new employee participates in any field activities. All new employees must sign the Field Team Review Sheet after receiving training and before beginning fieldwork.

2.4 Health and Safety Meeting

Prior to initiating site work, site personnel will be required to attend an orientation session given by the PS and SSO as outlined in Figure F2-2. This session will take place at the site prior to the start of work and may include, but is not limited to, the following topics:

- Site history.
- Scope of fieldwork.
- Specific hazards (toxicological data, heat stress/exposure, other physical hazards).
- Hazard recognition.
- Standard operation procedures and injury prevention, including no smoking and no hand-to-mouth contact within the exclusion zones or prior to completing decontamination.
- Decontamination (personnel and equipment).
- Emergency procedures.
- Potential respirator use.

Field personnel must attend this meeting, the minutes of which shall be documented in the site logbook and maintained as indicated in Section 2. In addition, a safety meeting will be conducted before each work day.

2.5 Health Monitoring and Surveillance

A health monitoring and surveillance program will be established to verify that the worker is physically fit to perform the necessary tasks. The monitoring program will

**Construction Health
And Safety Plan
Guideline**

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

be performed in accordance with MIOSHA requirements. An initial screening of the worker will be performed in accordance with OSHA 29 CFR 1910 guidelines prior to site placement to document current level of health and ability to wear protective gear. The initial health screening should focus on examination of the kidneys, heart, and lungs, and should include the following physical examinations:

1. Height, weight, temperature, pulse respiration, and blood pressure.
2. Head, nose, and throat.
3. Eyes. Including vision tests that measure refraction, depth perception, and color vision.
4. Ears. Requirements for this test are listed in 29 CFR 1910.95.
5. Chest (heart and lungs), including pulmonary function and electrocardiogram (EKG) testing.
6. Peripheral vascular system.
7. Abdomen and rectum (including hernia exam).
8. Spine and other components of the musculoskeletal system.
9. Genitourinary system.
10. Skin.
11. Nervous system.

The following tests should also be performed during the pre-employment examination:

- Blood (including complete blood count with differential, comprehensive metabolic panel, cadmium, mercury, and serum PCBs).
- Urine.
- Chest X-rays.

Periodic medical exams should also be part of the Contractor's Corporate Medical Monitoring Program in accordance with 29 CFR 1910. Annual exams are acceptable; however, more frequent examinations may be necessary depending on the types of

ARCADIS

Appendix F

Construction Health
And Safety Plan
Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

chemicals the worker has been exposed to, the duration of the assignment, and the potential or actual exposure levels.

In addition, testing is necessary to confirm that the worker is capable of completing the work tasks while wearing protective equipment. Medical records for each team must be maintained on-site as stated in Section 2.2 to include the following information:

- Qualification statement for hazardous waste work.
- Qualification for respirator use.
- Respirator fit test results.
- Emergency Medical Data Sheet (Figure F2-5).

The Contractor will provide in the Contractor CHASP the components of their active medical monitoring program, including a detailed plan of health signs and symptoms to be monitored throughout the workday. A record of these monitoring reports should be maintained on site along with each worker's health history record.

3. Background

3.1 Site Description

The City of Kingsford is located in southwestern Dickinson County, in the western part of Michigan's Upper Peninsula. The city is bounded by the Menominee River on the west and south, and by the City of Iron Mountain on the north and east. The Riverside Disposal Area (RDA) is located south of Pyle Drive in the northwest portion of the city as shown on Figure F3-1. The study area for the Ford/Kingsford site is shown on Figure F3-2.

3.2 Site History

Air photo interpretation of the area known as the Riverside Disposal Area, indicates a gravel pit/waste disposal area has been present since 1938. Filling and waste disposal in this area occurred until at least the 1970s. The waste disposed at the Riverside Disposal Area included wood debris associated with operations of the former Ford and KPC plant, which ceased operations in 1961. In addition to the debris associated with the former plant, other municipal and industrial wastes have been disposed here. Historical investigations have detected the presence of VOCs, SVOCs, and heavy metals in soil within the area of the RDA.

3.3 Interim Response Action Summary

The primary focus of the Interim Response Action was to prevent direct contact to impacted soils/waste materials, except under controlled conditions, and allow future use of the Riverside Disposal Area.

The interim response action for the Riverside Disposal Area included construction of an engineered cover system to prevent direct contact with impacted soils and underlying waste. The engineered cover system consists of a permeable soil cover designed to prevent ponding of surface water. The following elements are part of the cover system:

- A common fill layer ranging from 18 to 24 inches in thickness. The thickness of the common fill layer depended on the location within the waste area. Eighteen-inches of common fill is present in the cover area and 24-inches is present over the remaining portions of the waste area. Additional common fill may be present as necessary to promote proper drainage.

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- A layer of 6 to 12 inches of topsoil or topsoil/sand mixture. The thickness of the topsoil or topsoil/sand mixture depends on the location in the waste area. The cover area presently has 12 inches of a topsoil/sand mixture and remaining portions of the waste area presently has 6 inches of topsoil. This makes a minimum of 30 inches of cover material over the entire waste area.
- The topsoil or topsoil/sand mixture was seeded, fertilized, mulched, and tacked with the appropriate vegetation for the surface use.

The cover comprises an area of approximately 123,500 square feet centered over the RDA. Waste materials previously located within the right-of-way of the extension of Evergreen Court as well as in the utility corridor have been excavated and consolidated with existing wastes beneath the cover system (Figure F3-3). Future construction activities in these right-of-ways and utility corridors are not anticipated to encounter waste materials and will not require implementation of this health and safety plan.

**Construction Health
And Safety Plan
Guideline**Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

ARCADIS

4. Chemical Constituent Descriptions

Laboratory analytical data compiled for soil samples within the RDA indicate that low levels of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and heavy metals have been detected in samples at concentrations above background levels. Any chemical constituent detected in the soil or waste material at the RDA facility is listed below. Exposure limits, explosive limits (if applicable), and potential exposure routes for these chemical constituents of potential concern are listed in Table F4-1. Monitoring and Contractor designation of action levels will be discussed in Section 7.

VOCs:

- Acetone
- Benzene
- 1,2-dichloroethene
- Ethylbenzene
- Methyl chloride
- Naphthalene
- 1,1,2,2-Tetrachloroethane
- Tetrachloroethene
- Toluene
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- Xylenes (total)

Appendix F

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

ARCADIS

SVOCs:

- Aldrin
- Anthracene
- Aroclor 1248
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(k)fluoranthene
- BHC (alpha)
- BHC (gamma)
- Bis(2-ethylhexyl)phthalate
- 2-Butanone
- Butylbenzene phthalate
- Carbon sulfide
- Chlordane (alpha)
- Chlordane (gamma)
- Cholesterol
- Chrysene
- Cis-1,2-dichloroethene

ARCADIS

- 4-4'DDD
- 4-4'DDE
- Dibenzofuran
- Dieldrin
- Diethyl phthalate
- Di-n-butyl phthalate
- 2,4-Dimethylphenol
- Endosulfan II
- Endrin
- Endrin aldehyde
- Endrin ketone
- Fluoranthene
- Fluorene
- Heptachlor
- Heptachlor Epoxy
- 2-Hexanone
- Ideno(1,2,3-cd)pyrene
- Isopropylbenzene
- Isopropyltoluene
- Methoxychlor

Appendix F

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

Page 89 of 156
NMJ Date 12/21/2009
GL 695/89
Time 12:34:49

ARCADIS

Appendix F

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- 2-Methylnaphthalene
- 2-Methyl 2-pentanone
- 2-Methylphenol
- 4-Methylphenol
- Naphthalene
- N-Butylbenzene
- N-nitrosodiphenylamine
- N-Propylbenzene
- Phenanthrene
- Phenol
- Pyrene
- Sec-butylbenzene
- 1,2,4-Trichlorobenzene
- Trichloroethene

Metals:

- Aluminum
- Antimony
- Arsenic
- Barium
- Beryllium

ARCADIS

Appendix F

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Cadmium
- Calcium
- Chromium
- Cobalt
- Copper
- Cyanide
- Iron
- Lead
- Magnesium
- Manganese
- Mercury
- Molybdenum
- Nickel
- Potassium
- Selenium
- Silver

- Sodium
- Thallium
- Titanium

Page 91 of 156
NMJ Date 12/21/2009

GL 695/91
Time 12:34:49

Appendix F

ARCADIS

Construction Health
And Safety Plan
Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Vanadium
- Zinc

In addition, the presence of potentially explosive concentrations of methane gas exists throughout the site. Since methane gas is lighter than air, it will rise into the vadose zone in the absence of silt or clay layers, or become trapped below these layers. Historical investigations have shown the prevalence of methane gas in an area adjacent to RDA is trapped below silt layers at a depth of 70 feet. Provisions must be included in the Contractor CHASP for occurrence of methane gas in the vadose zone.

**Construction Health
And Safety Plan
Guideline**

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

5. Potential Exposure Pathways and Hazard Evaluation

Attention will be given to protecting on-site personnel from the physical and chemical hazards that may be encountered during construction activities that have the potential to disturb the cover system and expose personnel to the waste material below the cover. Potential exposure pathways, physical hazards, and hazards due to typical construction activities that may be necessary in the area and have the potential to disturb the cover will be discussed in this section. An evaluation of identified potential hazards is based on site history, previously completed field activities, and the typical construction activities that may be required.

5.1 Chemical Hazards

Exposure pathways have been identified according to the NIOSH (National Institute for Occupational Safety and Health) Pocket Guide to Hazardous Chemicals (1997). These exposure pathways and other chemical hazards that may affect the health and safety of the on-site personnel are listed below.

The following potential exposure and chemical hazard pathways may be encountered during fieldwork at the site:

- Ingestion of affected surface soils or material.
- Dermal contact with affected particles, vapors, or gases.
- Inhalation of particles, vapors or gases.
- Dispersal of dust/particulates.
- Contact with contaminated storm water during construction.

These exposure pathways will be minimized by following the protocol for the designated working level of protection as described in Section 6.0 (Personnel Protection Program). Toxicological data for the major constituents detected at the site are listed in Table F4-1.

Page 93 of 156
NMJ Date 12/21/2009

GL 695/93
Time 12:34:49

ARCADIS

Appendix F

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

5.2 Physical Hazards

Field personnel may be exposed to physical hazards during this project. Physical hazards that may be encountered are:

- Explosive Hazards.
- Noise.
- Heat/cold stress.
- Lacerations and contusions.
- Lifting hazards.

General considerations are discussed below; specific comments are presented in Section 5.3.

5.2.1 Flammability and Explosivity of Vapors

Flammable and explosive methane vapors are known to be present, at depth, adjacent to the site. Frequent air monitoring for methane gas will be conducted during the field activities at the site, as well as measuring the lower explosive limit and oxygen concentrations within the breathing zone.

5.2.2 Construction Explosive Hazards

Other explosive hazards associated with construction activities include storage of vehicle fuel and calibration gases for measuring devices.

5.2.3 Noise Exposure

Construction crews may be exposed to loud noise levels from construction equipment. Hearing protection may be necessary.

5.2.4 Heat/Cold Stress

Workers may be required to wear protective clothing which insulates the body. A hazard may exist if workers wear protective clothing in temperatures exceeding 90°F.

In addition to heat stress, exposure to temperatures at or below freezing may result in frostbite and/or hypothermia. A monitoring program will be in place during use of protective gear.

5.2.5 Lacerations and Contusions (Cuts and Bruises)

Earthwork and excavation activities usually involve contact with moving machinery and physical objects. If the field team is cut or bruised during this project, the PS will be prepared to deal with cuts and bruises and a first aid kit will be present during all site operations.

5.2.6 Insect and Wildlife Hazards

If construction activities require workers to enter areas of overgrown vegetation, potential exposure to insect bites and ticks exist. Workers will pay special attention to the presence of wildlife and inspect themselves at the end of each field day. The first aid kit will contain medications for potential insect bites.

5.2.7 Lifting Hazards

Construction activities may involve heavy lifting. Field team members should be trained in the proper methods to lift heavy objects and cautioned against lifting objects that are too heavy for one person to handle safely.

5.2.8 Packaging and Shipping Hazards

Any samples collected from the site will be transported to subcontracted laboratories in compliance with Department of Transportation (DOT) regulations. The instructions given below will be followed to comply with DOT regulations and reduce the potential for sample breakage during transport.

- Appropriate packaging materials will be placed into shipping containers.
- The shipping containers will be classified and secured according to appropriate DOT regulations, and other relevant regulations.

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

5.3 Field Activities/Physical Hazards

Listed below are potential construction activities that may be performed following implementation of the IRAP as described in Section 3.3.

5.3.1 Hazard Analysis: Excavation

A 30-inch thick permeable soil cover exists over waste areas at the RDA. Should excavation to depths greater than 24 inches be necessary in the cover area, these construction activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Exposure to explosive vapors.
- Inhalation of vapors.
- Inhalation of dust particles.
- Dermal contact with chemical constituents in the affected soil or waste material present below the 30-inch protective cover.

Physical Hazards:

- Being hit by equipment.
- Being struck by falling objects.
- Exposure to loud noise.
- Exposure to extreme outside temperatures.

In addition, should excavations greater than 4 feet be required, field personnel could be exposed to confined space conditions. Any excavation greater than 4 feet will follow the procedures identified by the OSHA Construction Code 29 CFR 1926 for excavation sloping/shoring/benching.

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

5.3.2 Hazard Analysis: Restoring the 30-inch Protective Cover

Following disturbance of the cover system, construction activities will need to be conducted to repair/restore the 30-inch thick protective cover. These activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Exposure to explosive vapors.
- Inhalation of vapors.
- Inhalation of dust particles.
- Dermal contact with chemical constituents in the affected soil or waste material.

Physical Hazards:

- Being hit by equipment.
- Being struck by falling objects.
- Exposure to loud noise.
- Exposure to extreme outside temperatures.

5.3.3 Hazard Analysis: Collecting Soil Samples for Laboratory Analysis

A 30-inch thick permeable soil cover exists over waste areas at the RDA. Should it be necessary to collect soil samples at depths greater than 30 inches in the cover area, these activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Inhalation of particulates.
- Dermal contact with chemical constituents in the affected soil or waste material.

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

After the samples have been collected in sampling jars, the samples will be properly packaged to protect shipping personnel from potential exposure to constituents. There is no particular hazard in performing the packaging operation, yet if this operation is not done properly, unsuspecting individuals may be exposed if the containers leak or break. Preservation of water samples may involve the use of acids or bases to adjust sample pH. Precautions will be taken to avoid contact with these reagents.

5.3.4 Hazard Analysis: Geotechnical Sampling as Required During Construction

A 30-inch thick permeable soil cover exists over waste areas at the RDA. Should geotechnical borings/samples be required at depths greater than 24 inches in the cover area, these construction activities may expose field personnel to the chemical and physical hazards listed below:

Chemical Hazards:

- Inhalation of particulates.
- Dermal contact with chemical constituents in the affected soil or waste material.

Physical Hazards:

- Falling objects.
- Exposure to loud noise.
- Exposure to extreme outside temperatures.

**Construction Health
And Safety Plan
Guideline**

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

6. Personnel Protection Program

A Personnel Protection Program will be established in the Contractor CHASP to be maintained for personnel working at the site and conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. The Personnel Protection Program will provide necessary health and safety training to the contractor personnel assigned to perform or oversee work, health and safety, security, administrative duties, or any other related functions at the site. Site safety meetings will be held before work begins each day or as specified by the PS. Separate protocol will be followed for site visitors as described in a later section.

Personnel shall wear personal protective equipment (PPE) during any of the following conditions: (1) field activities involving the potential for exposure to contaminants, (2) site activities that may generate vapors, gases, particulates, mists, or aerosols, or (3) direct contaminant contact with skin. The type of required PPE is categorized by a level of protection as described below. Any respiratory protection plan implemented during on-site activities will be done in accordance with 29 CFR Part 1910.134.

The levels of protection and the equipment utilized are defined as follows:

6.1 Level D Protection

The following PPE shall be considered typical Level D protection:

- Coveralls.
- Leather or chemical-resistant boots with a steel toe and shank.
- Work gloves.
- Safety glasses, chemical splash goggles, or face shield (as determined by the PS).
- Hard hat.
- Hearing protection (as determined by the PS).
- Outer latex disposable boots (optional).

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

6.2 Level D Modified Protection

Level D Modified protection shall be used when an increased need for dermal protection is recognized but respiratory protection is not indicated. The following equipment shall be used for Level D Modified protection:

- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard).
- Disposable nitrile or butyl outer gloves (glove selection will be based on the site-specific contaminant hazard).
- Nitrile or latex inner gloves (glove selection will be based on the site-specific contaminant hazard).
- Polyvinyl chloride (PVC) boots (chemical-resistant) with a steel toe and shank.
- Hard hat.
- Hearing protection (as determined by the PS).
- Latex outer booties (optional).
- Safety glasses, chemical splash goggles or face shield (as determined by the PS).

6.3 Level C Protection

The following PPE shall be considered Level C protection:

- Full-face piece air-purifying cartridge respirator with organic vapor/high-efficiency particulate filter cartridges (as site conditions warrant, a different APR cartridge may be specified in site specific addenda).
- Chemical-resistant clothing (Tyvek coveralls for particulate hazard or Saranex coveralls or rubber outer gear for liquid hazard).

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Disposable nitrile or butyl outer gloves (glove selection will be based on the site-specific contaminant hazard).
- Nitrile or latex inner gloves (glove selection will be based on the site-specific contaminant hazard).
- Polyvinyl chloride (PVC) boots (chemical-resistant) with a steel toe and shank.
- Hard hat.
- Hearing protection (as required).
- Latex outer booties (optional).
- Two-way radio communications.

The use of a full-face piece air-purifying respirator is approved only if the following applies:

- Substances are identified and their concentrations measured.
- Substances have adequate warning properties.
- Individual passes a qualitative fit test for the assigned respirator.
- An appropriate cartridge is selected based on the hazard.

It is particularly important that the air monitoring is effectively implemented when personnel are wearing Level C protection. No changes to the specified level of protection shall be made without the approval of the PS.

Verbal communication on site may be impeded by background noise caused by heavy equipment or the use of PPE. Accordingly, hand held radios shall be made available. If radios are not available, all individuals shall remain within sight of the project leader and hand signals shall be used between personnel within the work zone. Communications requirements shall be reviewed during the site safety meetings.

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

The following hand signals shall be used in the event of an emergency where audible communication is not possible:

<u>Hand Signal</u>	<u>Meaning</u>
Hand gripping throat	Out of air, cannot breath
Gripping partner's wrist or both hands on waist	Leave area now, no debate
Hands on top of head	Need assistance
Thumbs Up	OK, I'm all right, I understand
Thumbs Down	No, Negative

6.4 Decontamination Procedures

It is the responsibility of the PS to make certain that all personnel and pieces of equipment leaving the site are properly decontaminated according to the procedures outlined in this section. All personnel exiting controlled work zones must follow decontamination procedures. Only during an emergency evacuation will personnel be allowed to leave the site before decontamination.

6.4.1 Level D Decontamination Procedures

The general decontamination procedures for workers in Level D conditions are illustrated on Figure F6-1. Gloves and outer boot covers will be washed and rinsed, if required. Steel-toed boots will also be scrubbed with decontamination solution, if required. Outer garments and Tyvek will be removed and deposited in plastic bags once they exit the hotline and prior to exiting the contamination control line. Hands and face will be washed as soon as possible.

6.4.2 Level C Decontamination Procedures

A sample decontamination procedure for workers wearing Level C Protection is illustrated on Figure F6-2. Equipment used in the exclusion zone (tools, sampling devices and containers, monitoring instruments, radios, clip boards, etc.) will be deposited on plastic drop cloths or in different containers with plastic liners.

ARCADIS

Construction Health
And Safety Plan
GuidelineInterim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

Segregation at the drop reduces the probability of cross-contamination. Various size containers, plastic liners, and plastic drop cloths will be required for this task. Outer boots and gloves will be cleaned with the proper decontamination solution (hexane or methanol) and detergent/water. The outer gloves and boots will be rinsed and the rinse water should be contained in plastic bucket. Boots, gloves, and outer garments are removed followed by removal of respirator. Once the respirator is cleaned for storage or placed in an appropriate container, inner gloves may be removed. Workers will wash hands and face as soon as possible.

If a worker leaves the exclusion zone to change a respirator cartridge, it is not necessary to proceed through the entire contamination reduction zone. Once the worker's cartridge is exchanged, the outer glove and boot covers are donned with joints taped, the worker may return to the exclusion zone.

At a minimum, disposable items (e.g., Tyvek coveralls, inner gloves, and latex overboots) will be changed on a daily basis. Decontamination solutions will be changed daily or as conditions require.

Small equipment shall be protected from contamination by draping, masking, or otherwise covering as much of the instrument as possible with plastic, without hindering the operation of the unit. Contaminated equipment will be taken from the drop area and the protective coverings removed and disposed in the appropriate containers. Any dirt or obvious contamination will be brushed or wiped with a disposable paper wipe. As necessary, air monitoring equipment will be placed in clear plastic bags that allow reading of the scale and operation of the knobs. The sensors or probes can be partially wrapped, keeping the sensor tip and discharge port clear.

To prevent trans-location of contaminants and inadvertent exposures to personnel, heavy equipment used in contaminated areas shall be decontaminated prior to moving to a new location and before leaving the facility. When decontaminating equipment, the following requirements will be implemented:

- The equipment will be inspected for gross debris. Where possible, contaminated soil deposits will be removed and containerized.
- After removal of gross debris, the equipment will be steam cleaned using a high-pressure washer (i.e., Hotsy).

**Construction Health
And Safety Plan
Guideline**Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- After steam cleaning, the equipment will be allowed to dry and will be reinspected. Any remaining visible debris will be re-cleaned through additional pressure washing.
- After all debris is removed according to the above procedure, the equipment will be released from the decontamination pad for use as necessary in other areas of the site. At the close-out of the exclusion zone activities or when a piece of equipment is to be demobilized from the project, the equipment will be given a final decontamination. Equipment wash rinsate will be containerized for proper disposal.

Inspections of equipment for release from the facility will be completed by the PM or PS. Inspections will consist of visual observations, wipe sampling and cleaning solution analysis. Inspection results will be documented in field logbooks.

The stockpile areas will be cleaned using a hot water, high-pressure washer. Decontamination wash water will be collected and sent to either the on-site water treatment system or an off-site permitted treatment/disposal system.

6.5 Heat Stress Control and Monitoring

The PS will set work and break schedules depending on how heavy the workload is and the outside temperature. Generally, workers conducting activities in protective clothing need to break in the shade at least 10 minutes out of every hour during temperatures elevated above 90 degrees Fahrenheit (°F). Rest time will also include fluid replacement with electrolytes.

During conditions where the temperature, humidity, and solar radiation are high and the air movement is low, the following procedures will be implemented to prevent heat stress injury:

- Provide disposable cups and water. Urge workers to drink water regularly. Monitor for signs of heat stress.
- Make certain that adequate shelter is available to protect personnel against heat. If possible, set up a rest area in the shade.
- Workloads and/or duration of physical exertion will be less during the first days of exposure to heat and should be gradually increased to allow acclimatization.

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Heavy work will be scheduled during the cooler periods of the day (e.g., early morning), as possible.
- Alternate work and rest periods will be scheduled in heat stress conditions; in moderately hot conditions.

At the PS's discretion, monitoring activities for heat stress will be performed when workers are using protective clothing in elevated temperatures. Observation of the field team for signs and symptoms of heat stress which include:

1. pale, clammy skin progressing to hot, dry and red skin.
2. profuse perspiration.
3. cramps.
4. dizziness.
5. headaches.
6. nausea.
7. fainting.

Heat stress monitoring should be done at the discretion of the PS, when temperatures are greater than 90 °F or workers exhibit any indication of heat stress. Signs and symptoms of heat stress are summarized in Table F6-1.

6.6 Cold Stress Control and Monitoring

Persons working outdoors in temperatures at or below freezing or with increased wind chill may experience two types of cold weather-related injuries: frostbite and hypothermia. Ambient air temperature and the velocity of the wind are the two factors that influence the development of a cold weather-related injury.

Frostbite is a cold weather-related injury. Areas of the body which have high surface-area-to-volume ratios such as fingers, toes and ears, are most susceptible to frostbite. Frostbite of the extremities can be categorized into three types:

Page 105 of 156
NMJ Date 12/21/2009
GL 695/105
Time 12:34:49

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- **Frost nip or incipient frostbite:** This is characterized by skin blanching or whitening.
- **Superficial frostbite:** In this case, the skin has a waxy or white appearance and is firm to the touch, but the tissue beneath is resilient.
- **Deep frostbite:** When this occurs, the tissues are cold, pale and solid. Deep frostbite is an extremely serious injury.

Hypothermia is the second type of cold weather-related injury. Systemic hypothermia is caused by exposure to freezing or rapidly dropping temperatures. Its symptoms are usually exhibited in five stages: 1) shivering; 2) apathy, listlessness, sleepiness, and sometimes rapid cooling of the body to less than 95°F; 3) unconsciousness, glassy stare, slow pulse, and slow respiratory rate; 4) freezing of the extremities; and 5) death.

The term "wind chill" is used to describe the chilling effect of moving air in combination with low temperature. For instance, an air temperature of 10°F with a wind of 15 miles per hour (mph) is the equivalent in chilling effect of air at -18°F. As a general rule, the greatest incremental increase in wind chill occurs when a wind of 5 mph increases to 10 mph. Because of the effects of wind chill, there is a greater danger from cold-related injuries on cold, windy days, than on cold days where there is little or no wind.

Water conducts heat 240 times faster than air. Therefore, the body cools more quickly when damp or wet. Site personnel may become wet from: decontamination water, contact with on-site water (e.g., ponds, streams, etc.), precipitation or perspiration. Care should be taken to minimize the possibility of workers becoming damp or wet and if workers do become damp or wet, efforts should be made to minimize the time that the worker is exposed to the cold. If clothing beneath the personal protective clothing becomes damp, the PS will assess site specific weather conditions to determine if it is appropriate for site workers to remove protective clothing outdoors.

In general, the PS shall follow these procedures to reduce cold stress:

- Install heaters in the support zone and/or trailers to provide a warming area for site personnel if necessary.
- Rotate shifts of workers.

ARCADIS

- Schedule work and rest periods.
- Monitor workers' physical conditions.

Appendix F

Construction Health
And Safety Plan
Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

Page 107 of 156
NMJ Date 12/21/2009

GL 695/107
Time 12:34:49

**Construction Health
And Safety Plan
Guideline**Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan**7. Air Monitoring**

Air quality monitoring will be conducted for the identification and quantification of potential airborne contaminants when construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover are performed. Both direct-reading instruments and laboratory analysis of air samples may be used for air monitoring activities. Monitoring of methane gas, oxygen, and explosive levels in the breathing zone will be emphasized. General on-site monitoring will include visual inspection of the site to look for places where vapors may gather such as confined spaces, low-lying areas, and wind barriers such as hills or tall buildings.

7.1 Air Monitoring

Standard monitoring instruments that may be used for monitoring site conditions include combustible gas indicators (CGI), photo-ionization detectors (PID), flame ionization detectors (FID), oxygen meters, colorimetric indicator tubes, and organic vapor monitors (OVA). A MIE Data-RAM, or equivalent unit, can be used to monitor total suspended particulates. The contractor will identify specific monitoring instruments in their CHASP.

Upwind vapor levels and work zone levels should be obtained prior to initiation of activities, and should be repeated at pre-specified time intervals. An initial monitoring frequency of once per hour can be used. Once site conditions are characterized, monitoring frequency may be decreased to a frequency specified in the Contractor CHASP Monitoring Plan. Site monitoring should also be completed when site conditions change, for instance, when work begins on a different portion of the site, a different contaminant is being handled, or a different type of operation is begun.

7.2 Perimeter Monitoring

A plan for perimeter monitoring should be incorporated into the Contractor CHASP to be implemented only if on-site monitoring of activities indicate the presence of hazardous vapors. This will be used to ensure that airborne contaminants are not migrating beyond the site boundaries at concentrations harmful to human health. Initially, perimeter monitoring may be limited to particulates. If action levels for onsite monitoring with regard to particulates, VOCs, or SVOCs are exceeded, an evaluation

**Construction Health
And Safety Plan
Guideline**

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

ARCADIS

will be made as to the extent of these impacts. If such impacts are determined to extend to the perimeter of the exclusion zone, perimeter monitoring will be expanded to analysis of VOCs and SVOCs, and engineering controls implemented.

7.3 Organic Vapor Monitoring

Air quality in the breathing zone will be evaluated by collecting readings of organic vapor levels. Air monitoring readings will be collected periodically as specified in the Contractor CHASP and at the discretion of the PS. Observation of wind direction during investigation activities will be emphasized. The contractor will select the most suitable instrument for air monitoring purpose, considering the presence of methane in the atmosphere. A flame-ionized vapor analyzer requires methane filtration for an actual organic vapor reading, while a photo-ionization detector does not detect methane. To prevent confusion among work groups working at multiple locations, a single set of action levels for organic vapors will be used.

Based on the list of chemicals of concern provided in Table F4-1, the Contractor will select hazardous chemicals that require monitoring. A plan will be presented that will include the identification and quantification of the selected constituents prior to the beginning of construction activities. Draeger gas detectors can be used for gas identification and quantification. Following initial detection of gases, the Contractor CHASP will provide levels of organic vapors at which specified actions will be required. The plan will call out specific concentrations at which field personnel will change to a higher level of PPE, or at which engineering controls will be implemented. Typical action levels are provided in Table F7-1.

The PS must be responsible for monitoring, calibrating, and maintaining the instruments. Calibrations and maintenance for all instruments should be completed in accordance to the manufacturer's recommendations. Calibrations should be recorded and the following information should be recorded in the calibration logbook to be maintained according to Section 2:

- Instrument and instrument serial number.
- Calibrant gas and lot number.
- Initial reading.
- Final Reading.

Page 109 of 156
NMJ Date 12/21/2009

GL 695/109
Time 12:34:49

ARCADIS

Appendix F

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Any adjustments or maintenance.
- Name of the person performing the adjustments or maintenance.
- Date and time.

7.4 Combustible Gas/Oxygen Monitoring

The PS shall ensure that combustible gas indicator/oxygen levels (CGI/O₂) are measured prior to entry into open excavations, sumps, confined spaces, or other sites/conditions where a flammable, combustible, or oxygen-deficient atmosphere may be present. To ensure accurate measurements, the O₂ concentration should be measured before the lower explosive limit (LEL) concentration. The Contractor will present a schedule for CGI/O₂ monitoring based on known methane issues and the constituent of concern list in Table F4-1.

Action levels for LEL and O₂ will be identified in the Contractor CHASP. When used, CGI/O₂ meters must be maintained and calibrated before use in accordance with manufacturers' instructions.

ARCADIS

**Construction Health
And Safety Plan
Guideline**

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

8. Site Control

The purpose of site control is to minimize potential contamination of workers, protect the public from the site's hazards, and prevent vandalism when performing construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. Site control is essential in emergency situations. A plan for site control will include established work zones, site preparation, use of the buddy system, established and enforced decontamination procedures for personnel and equipment, site security measures, communication networks, and safe work practices.

8.1 Site Preparation

Prior to commencement of construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover, the site must be prepared for cleanup activities. Site preparation can also be hazardous and the following steps should be taken, where necessary:

- Construct roadways to provide ease of access and a sound roadbed for heavy equipment and vehicles.
- Arrange traffic flow patterns to ensure safe and efficient operations.
- Eliminate physical hazards from the work area as much as possible, including:
 - Ignition sources in flammable hazard area.
 - Exposed underground electrical wiring and low overhead wiring that may entangle equipment.
 - Sharp or protruding edges, such as glass, nails, and torn metal which can puncture protective clothing and equipment and inflict puncture wounds.
 - Debris, holes, loose steps or flooring, protruding objects, slippery surfaces, or unsecured railings, which can cause falls, slips, and trips.
 - Unsecured objects, such as bricks and gas cylinders, near the edges of elevated surfaces such as rooftops and scaffolding, which may dislodge and fall on workers.

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Construct operation pads for mobile facilities and temporary structures.
- Construct loading docks, processing and staging areas, and decontamination pads.
- Provide adequate illumination for work activities. Equip temporary lights with guards to prevent accidental contact.
- Install all wiring and electrical equipment in accordance with the applicable code.

8.2 Work Zones

Prevention of exposure to and spread of constituents by activities at the site will be achieved through the establishment of work zones. Three work zones will be used including: 1) Exclusion Zone; 2) Contaminant Reduction Zone; and 3) Support Zone. Flagging will be used to delineate each of these three zones.

8.2.1 Exclusion Zone

The Exclusion Zone is the area where all earthwork and clearing activities are conducted and where chemical constituents and physical hazards are potentially present. Only properly trained individuals who are wearing appropriate personal protection equipment will be allowed to enter and work in this zone. Level D protection will be required for workers in this zone. The size of the Exclusion Zone incorporates the entire area where the cover system will potentially be disturbed and adequate space for movement of heavy equipment. Personnel in the Exclusion Zone should remain within sight of the PS or have radio communication with the PS.

8.2.2 Contaminant Reduction Zone

The Contaminant Reduction Zone (CRZ) is a transitional area between the Exclusion Zone and the clean area. The CRZ contains a corridor that leads from the Exclusion Zone to the Support Zone. This corridor may contain wash buckets, solid waste disposal containers, brushes, and equipment drop tarps. All decontamination activities will occur in the contaminant reduction corridor. The CRZ has a decreasing level of contamination, moving outward. The outer boundary of the CRZ is called the contamination control line, which separates the possibly low contamination area from the clean support zone. The CRZ is also the area where equipment resupply takes

**Construction Health
And Safety Plan
Guideline**

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

ARCADIS

place, samples are prepared prior to transport to laboratory, where rest area(s) are designated for workers (including portable toilet facilities, bench/chair, liquids and shade), and storage of emergency response equipment.

8.2.3 Support Zone

The Support Zone is the area where the field team will be when not performing site work. This area is to be used for meal breaks, eating, clean equipment storage, and staging. This zone will be located in an unaffected area and as far upwind from the exclusion zone as practical. The support zone is also the location for administrative personnel and office equipment. A portable first aid and eye wash station and toilets will be located here.

8.3 General Work Rules

Fieldwork will be conducted only during daylight hours unless adequate artificial lighting is provided. The "buddy" system will be observed at all times when site personnel are required to wear respiratory protection.

Entry into and exit from the continuous work area, exclusion zones, and contamination reduction zone will be permitted only through designated access points, except during an emergency or as authorized by the PS. Personnel entering the exclusion zone must be wearing the required minimum protective clothing as specified in Section 6.0 and they must exit these areas via the Decontamination Station.

Hands and face must be thoroughly washed as soon as possible after leaving the work area and before eating or drinking. No excessive facial hair, which interferes with a satisfactory fit of the mask-to-face seal, is allowed on personnel required to wear respiratory protective equipment. The PS will determine if facial hair presents such interference.

Personnel assigned for on-site activities must be adequately trained and briefed on anticipated hazards, instruction on handling hazardous materials, if applicable, instruction on harmful plants, animals or insects, if applicable, equipment to be worn, safety practices to be followed, emergency procedures, and communications. Daily safety meetings will be held with field personnel prior to the start of work.

Field activities will comply with OSHA 28 CFR Parts 1926/1910 Safety and Health Standards for the Constructive Industry. Regular inspections of the site, materials and

Page 113 of 156
NMJ Date 12/21/2009 GL 695/113
Time 12:34:49

Construction Health
 And Safety Plan
 Guideline

Interim Response Action Plan
 Riverside Disposal Area
 Kingsford, Michigan

equipment will be made by the SHSO to certify compliance with Subpart C (29 CFR Part 1926.20) General Safety and Health Provisions. The Contractor CHASP shall be available on the site for inspection.

8.3.1 Overhead Utilities

Any overhead wire shall be considered an energized line unless the person owning that line or the electrical utility authorities verify and provide documentation that it is not an energized line and that it has been visibly grounded.

A person shall be designated to observe excavation or other equipment and to give timely warning of all operations where it is difficult for the operator to maintain the desired clearance by visual means. Parameters for minimum clearance from energized overhead lines are presented in the following table. The only acceptable method of proving inactive or de-energized state is through an effectively implemented and documented control of a hazardous energy program. Electricity in all structures shall be considered to be on until proven inactive.

Minimum Clearance From Energized Overhead Electric Lines	
Nominal System Voltage (Kilovolts)	Minimum Required Clearance (feet)
0 – 50	10
51 – 100	12
101 – 200	15
201 – 300	20
301 – 500	25
501 – 750	35
751 – 1000	45

8.3.2 Inclement Weather

Natural phenomena, e.g., heat or cold, rain, snow, ice, and lightning, can affect work activities and increase risk. Additionally, extremes in temperature and moisture could affect the function of monitoring instrumentation and PPE. It is the responsibility of the SHSO to recognize weather conditions and adjust site activities accordingly.

**Construction Health
And Safety Plan
Guideline**

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

8.3.3 Manual Lifting

Personnel performing material handling shall abide by the following guidelines:

- **DO** design manual lifting and lowering out of the task and workplace. If manual lifting must be accomplished, perform it between knuckle and shoulder height.
- **DO** be in good physical shape. If you are not used to lifting and vigorous exercise, do not attempt to do difficult lifting or lowering tasks.
- **DO** think before acting. Place material conveniently within reach. Have handling aids available. Make sure sufficient space is cleared.
- **DO** get the load close to your body. Test the weight before trying to move it. If it is too bulky or heavy, get a mechanical lifting aid or somebody else to help, or both. Place your feet close to the load. Stand in a stable position with the feet pointing in the direction of movement. Lift mostly by straightening the legs.
- **DO NOT** twist the back or bend sideways.
- **DO NOT** lift or lower awkwardly.
- **DO NOT** hesitate to get mechanical help or help from another person.
- **DO NOT** continue lifting when the load is not of a manageable weight.

8.3.4 Portable Ladders

All portable ladders shall be used for their designated purposes only, and shall be constructed, maintained, and used in accordance with American National Standards Institute standards A-14.1 and A-14.2, OSHA 29 CFR Part 1926 Subpart X, and manufacturers' instructions. Before use, each ladder shall be inspected to verify that all parts are in good condition and all components function properly. Defective ladders shall be tagged "do not use" by the SHSO.

In general, personnel shall follow these guidelines when using portable ladders:

Page 115 of 156 GL 695/115
NMJ Date 12/21/2009 Time 12:34:49

Construction Health
And Safety Plan
GuidelineInterim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Set ladders on flat, firm surfaces.
- Contact both handrails of a straight ladder with the upper support.
- To prevent slippage of a straight ladder, use another person to hold the ladder in place or tie the ladder securely to the upper support.
- Retain a ratio of 4 to 1 regarding the height of extension related to the distance of the bottom of the ladder to the well or vertical plane (1 foot out for every 4 feet up).
- Extend the handrails of a straight ladder at least 36 inches above the upper support.
- Do not use metal ladders around electrical conductors.
- Do not allow a second person to use the same ladder that you are using.
- Do not stand on the top two rungs of ladder or within 3 feet of the top of the ladder.
- Position the ladder so that no more than half of your body extends beyond either handrail during the work activity.

Review ladder raising and usage techniques as applicable under the guidance of the PS.

8.3.5 Heavy Equipment Safety

Heavy equipment can present a variety of hazards. In general, the SHSO shall observe the following procedures:

- Require subcontractors to provide equipment that meets the requirements of all relevant OSHA standards.
- Inspect equipment before use. At a minimum, guarding, hydraulics, hoisting, rigging, and overall condition should be reviewed. Correct deficiencies before equipment is used.

**Construction Health
And Safety Plan
Guideline**

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

ARCADIS

- Verify operator qualifications before beginning work.
- Conduct noise monitoring to ensure that personnel are adequately protected.
- Equip all equipment with operational backup alarms and a fire extinguisher.
- Review copies of all pertinent inspections before the start of work.
- Investigate any safety and health concerns arising during the course of work.

8.3.6 Driver Safety

During the performance of this work, all personnel using project vehicles shall possess a valid driver's license, passes any necessary permit, and obey all posted speed limits, traffic signs, and traffic signals.

8.3.7 Power and Hand Tools

Personnel shall use power and hand tools in accordance with the following procedures:

- Use tools only after being trained.
- Maintain tools in good condition and inspect them prior to use.
- Use electrical tools that are double-insulated or have a ground plug.
- Use tools for their intended purpose only.
- Remove unsafe tools from service.

8.3.8 Hand Protection

In addition to required PPE, field personnel shall wear protective gloves as needed when handling materials or performing other work that could result in hand injury.

Construction Health
And Safety Plan
GuidelineInterim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

8.3.9 Lockout/Tagout

In accordance with 29 CFR Part 1910.147, the site personnel shall use lockout/tagout procedures as necessary to control employee exposure to hazardous energy sources, particularly underground and aboveground utilities and services. Subcontractors shall present their lockout/tagout procedures to the PHSM.

8.3.10 Traffic Control

The PS shall coordinate all activities impacting base traffic. Unauthorized vehicles shall be controlled through the use of barricades, cones, or other warning devices.

8.3.11 Material Storage

A strategy for storage of flammable and combustible liquids, compressed gasses, and corrosives shall be presented in the Contractor CHASP.

8.3.12 Fire Prevention

To prevent the occurrence of fires on the project, the following will be completed in accordance with 29 CFR Part 1926.151:

- Electrical installations shall meet the requirements of Rule 408.41701 et seq. of the Michigan Occupational Safety and Health Act 29 CFR Part 1926, Subpart K.
- Potential sources of fire ignition shall be located away from fuel sources.
- Flammable and combustible liquids and compressed gasses shall be stored in accordance with the Construction Waste Management Plan.
- Fire extinguishers will be provided for the job-site in accordance with applicable portions of Rule 408.41851 and Rule 408.41852.

8.3.13 Inspections

Contractor will be prepared for health and safety inspections by Michigan Department of Consumer and Industry Services, Construction Safety Division or any other county or city official with authoritative power.

8.4 Site Security

The Contractor CHASP will also call out a plan to maintain site security. Site security measures are necessary during and after normal working hours to:

- Prevent exposure of unauthorized, unprotected people to the site hazards.
- Prevent vandalism and increased hazards of persons trying to dispose other waste on the site.
- Prevent theft.
- Avoid interference with safe working practices.

Security protocol provided in the Contractor CHASP will include the following provisions:

- Assign the responsibility of enforcing security measures to a person who acknowledges that responsibility.
- An identification system to identify authorized persons as well as the limitations to their approved activities.
- Post signs around the perimeter of the site.
- Secure equipment for overnight storage.
- All site visitors must be approved, signed in, and given the proper PPE.

8.5 Site Visitors

Visitors to the site will be instructed to stay outside of the barricaded or exclusion zone and remain within the support zone during the extent of their stay. Visitors will be cautioned to avoid skin contact with potentially contaminated surfaces. During visitation, hand-to-mouth transfers will be reduced with special warnings not to eat, drink, smoke, or chew gum or tobacco. The use of alcohol during site visitation is prohibited.

Authorized visitors requiring observation of the work in the exclusion zone must read the Contractor CHASP and sign a form stating that they have read and understand the

ARCADIS

Appendix F

Construction Health
And Safety Plan
Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

safety protocol and will abide by it (Figure F2-4). All visitors entering the exclusion zone must wear appropriate personal protective gear. The Contractor CHASP should specify how site visitors will be controlled and what protective gear will be provided. Access to the site by visitors shall be restricted as follows:

- All site visitors must notify the PS or his/her designee before obtaining access to a support zone.
- Site visitors entering controlled work zones will be strictly limited. The PS must approve entry and the visitor must demonstrate medical and training clearance to enter a controlled work zone and must be given site-specific training.
- All site visitor access must be clearly documented, and visitors must comply with all provisions of the Contractor CHASP.

8.6 Disposal of Material

Disposal of materials generated on-site should be in accordance with the Waste Management Plan (WMP) developed for the IRAP.

9. Engineering Controls

A variety of external measures can be used to influence site conditions to prevent them from becoming hazardous or to reduce the risk of harm to human health when conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. At a minimum, the following measures, or engineering controls, will be included in the Contractor CHASP.

1. Water sprayers will be used to control excessive dust conditions. The CHASP will state at what levels dust suppression will be used.
2. An oxygen analyzer will be used to monitor oxygen content in the air within the exclusion zone. If levels reduce to 19.5 percent oxygen or less in the breathing zone, work will be temporarily halted and industrial fans will be used for forced ventilation of the work area. Work cannot commence until oxygen levels in the breathing zone have normalized. In the event that oxygen concentrations increase to 23% or greater, work will be halted, but no ventilation will be applied. The work area will be allowed to ventilate naturally.
3. Ventilation of methane from the subsurface will be performed as described in the IRAP design.

Additional engineering control measures may be added to the Contractor CHASP where appropriate.

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

10. Emergency Procedures

On-site personnel will use the following standard emergency procedures when conducting construction activities that could potentially disturb the cover system and expose personnel to waste materials present below the cover. The PS will be notified of any on-site emergencies and be responsible for ensuring that the appropriate procedures are followed. An emergency report (Figure F2-6) will be completed and submitted to the site PS for each instance of employee injury or possible exposure.

10.1 Emergency Phone Numbers and Hospital Location

Emergency phone numbers (Table F10-1) will be posted at a conspicuous place in the support zone. Directions to Dickinson County Memorial Hospital are given in Table F10-1 and a map with the route to the hospital is presented as Figure F10-1. The PS will be responsible for making sure that all field personnel are familiar with the location of the hospital, and know where the emergency phone list and directions to the hospital are located.

10.2 Personnel Injury in the Exclusion Zone

In the event of an injury in the exclusion zone, all site personnel will assemble at the decontamination line. The PS will evaluate the nature of the injury and the affected person will be decontaminated to the extent possible prior to movement to the support zone. Appropriate first aid will be initiated, and contact will be made with the Dickinson County Memorial Hospital for an ambulance (if required) (Table F10-1). No person will re-enter the exclusion zone until the cause of injury or symptoms are determined. An injury report will be created and submitted to the established authority for action (Figure F2-6).

10.3 Personnel Injury in the Support Zone

Upon notification of an injury in the support zone, the PM and PS will assess the nature of the injury. If the cause of the injury or loss of the injured person does not affect the performance of site personnel, operations may continue, and the appropriate first aid and necessary follow-up, as stated above, will be initiated. An injury report will be created and submitted to the established authority for action (Figure F2-6). Approved first aid kits will be kept in appropriate places on the work site. The PS will be responsible for making sure personnel are familiar with the first aid kit locations. The PS will also be responsible for the maintenance of the first aid kits.

ARCADIS

Construction Health
And Safety Plan
GuidelineInterim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan**10.4 Fire/Explosion Emergency Procedures**

The threat of fire/explosion on this work site is considered high because of reported concentrations of methane gas in the subsurface. In addition, fire hazards exist in the following activities:

- Equipment refueling.
- High pressure water cleaning, fuel storage, and refueling.
- Presence of solvent contamination.

The PS will check to see that each vehicle fire extinguisher is appropriate for the fire hazard present at this site. Generally, Type A, B, and C extinguishers are appropriate. The field team will be prepared to fight small fires with extinguishers. In the event of a large fire, the field team will contact the appropriate authorities and report the fire.

10.4.1 Emergency Procedures

In an emergency, the PS (or alternate PS) will assume total control and decision making on site. In the event of a chemical spill, the release reporting procedures as detailed in the Waste Management Plan will be followed and the PS will attempt to containerize the material. In the event of a fire or explosion, the PS will take the following actions:

- Notification of site personnel and appropriate authorities.
- Shutdown site activities.
- Account for site workers at decontamination corridor.
- Evacuate the site, if necessary.

Methane in the gas state is a dangerous fire and explosion hazard when exposed to heat or flame. Care will be taken to eliminate sources of potential ignition, such as smoking, and non-explosion-proof electrical and internal combustion equipment. The use of flame devices such as cutting torches or welding equipment will only be done with approval of the PS after combustible gas (gc) monitoring. In the event of a small

Page 123 of 156
NMJ Date 12/21/2009GL 695/123
Time 12:34:49

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

methane fire, the field team will be prepared to control the fire using CO₂ or dry chemical.

Upon notification of an on-site fire or explosion, all site personnel shall assemble at the decontamination line. The fire department shall be alerted by calling 911 for response services. All site personnel will be moved a safe distance from the involved area.

If PPE worn by personnel fails or is otherwise altered in such a manner that the level of protection is affected, the workplace must be vacated. The person affected shall immediately leave the work zone. Re-entry shall not be permitted until the equipment has been repaired or replaced.

Field personnel must notify the PS when any on-site equipment fails to operate properly. The PS shall determine the effect of this failure on continuing operations on-site. If the failure affects the safety of personnel or prevents completion of assigned tasks, all personnel shall leave the work zone until the situation is evaluated and appropriate actions taken.

In all situations, when an onsite emergency results in evacuation, personnel shall not re-enter until:

1. The conditions resulting in emergency have been corrected.
2. The hazards have been reassessed.
3. The CHASP has been reviewed.
4. Site personnel have been briefed on any changes in the CHASP.

10.4.2 Emergency Medical Care

The following describes emergency procedures when it is suspected that a person has suffered from chemical exposure.

Dickinson County Memorial Hospital (Phone # 779-4555) will be contacted in an emergency. The hospital is located at 1721 Stephenson Avenue, Iron Mountain, Michigan, and a map of the route and alternate routes is attached as Figure F10-1. A local ambulance service is available by calling 911. First-aid equipment (including a first-aid kit, emergency eye wash and emergency shower) will be available on site.

ARCADIS

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

Skin Contact

1. Flush with water.
2. Remove clothing, if necessary.
3. Wash and rinse affected area for at least 20 minutes. Decontaminate and provide appropriate medical attention.

Inhalation

1. Move person away from area.
2. Administer CPR as needed.
3. Decontaminate and transport to hospital for medical attention (Figure F10-1).

Ingestion

1. Decontaminate and transport to hospital for medical attention.

Eye Contact

1. Irrigate with water for at least 15 minutes.
2. Decontaminate and transport to hospital for medical attention (Figure F10-1).

In the event of a serious accident/injury, the PS shall make an immediate telephone report to the PM outlining all details of the accident/injury and action(s) taken. This reporting procedure will be accomplished using the Contractor's Accident/Incident Report. The report shall include at a minimum the following information:

- Chronological history of the incident.
- Facts concerning the incident and when they became available.
- Title and names of personnel involved.

Page 125 of 156
NMJ Date 12/21/2009
GL 695/125
Time 12:34:49

ARCADIS

Appendix F

Construction Health And Safety Plan Guideline

Interim Response Action Plan
Riverside Disposal Area
Kingsford, Michigan

- Actions (decisions made and by whom) orders given (to whom, by whom, and when) action taken (who did what, when, where, and how).
- Possible exposure(s) of site personnel.
- History of all injuries or illnesses during or as a result of the emergency.

In the event of a spill of hazardous materials on site, the PS shall control the spill and proceed to absorb and containerize the material. In addition, the PS may conduct air monitoring to characterize exposure hazards from the incident.

Tables

Table F4-1. Chemical Constituents of Potential Concern, Exposure Limits, and Properties, Riverside Disposal Area, Kingford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
ORGANICS					
VOCs					
Acetone	250 ppm	2500 ppm	Inh, Ing, Con	9.69 eV	12.8%/2.5%
Benzene ¹	CA (0.1 ppm)	CA (500 ppm)	Inh, Abs, Ing, Con	9.24 eV	7.8%/1.2%
1,2-Dichloroethene	None	None			
Ethylbenzene	100 ppm	800 ppm	Inh, Ing, Con	8.76 eV	6.7%/0.8%
Methane	None	None	Asphyxiant		15%/5.3%
Naphthalene	10 ppm	250 ppm	Inh, Abs, Ing, Con	8.12 eV	5.9%/0.9%
1,1,2,2-Tetrachloroethane	CA 1 ppm	100 ppm	Inh, Abs, Ing, Con	11.10 eV	ND/ND
Toluene	100 ppm	500 ppm	Inh, Abs, Ing, Con	8.82 eV	7.1%/1.1%
1,2,4-Trichlorobenzene	C 5 ppm	ND	Inh, Abs, Ing, Con	ND	6.6%/302 degF
Trichloroethene (also called Trichloroethylene)	25 ppm	CA (1,000 ppm)	Inh, Abs, Ing, Con	9.45 eV	10.5%/8%
1,2,4-Trimethylbenzene	25 ppm	ND	Inh, Ing, Con	8.27 eV	6.4%/0.9%
1,3,5-Trimethylbenzene	25 ppm	NA	Inh, Ing, Con	8.39 eV	ND/ND
m-Xylene	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.56 eV	7.0%/1.1%
o-Xylene	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.56 eV	6.7%/0.9%
p-Xylene	100 ppm	900 ppm	Inh, Abs, Ing, Con	8.44 eV	7.0%/1.1%
SVOCs					
Acenaphthalene	None	None			
Anthracene	None	None			
Benzo(a)anthracene	None	None			
Benzo(a)pyrene	CA- 0.1 ppm	CA- 80 ppm	Inh, Con	varies	varies
Benzo(b)fluoranthene	None	None			
Benzo(g,h,i)perylene	None	None			
Benzo(k)fluoranthene	None	None			
Bis(2-ethylhexyl) phthalate	None	None			
2-Butanone	200 ppm	3000 ppm	Inh, Ing, Con	9.54 eV	11.4%/1.4%
Butylbenzene phthalate	None	None			
Carbon sulfide	None	None			
Chrysene	CA- 0.1 ppm	CA- 80 ppm	Inh, Con	varies	varies

Footnotes on Page 4.

Page 128 of 156
 NJ Date 12/21/2009
 Time 12:34:49
 GL 695/128

ARCADIS

Table F4-1. Chemical Constituents of Potential Concern, Exposure Limits, and Properties, Riverside Disposal Area, Kingford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
<u>SVOCs (continued)</u>					
Cis-1,2-dichloroethene	None	None			
2,4-Dimethylphenol	None	None			ND/ND
Di-n-butyl phthalate	5 ppm	4000 ppm	Inh, Ing, Con	ND	
Fluoranthene	0.5 ppm	50 ppm	Inh, Abs, Ing, Con	ND	ND/ND
Fluorene	None	None			
2-Hexanone	1.0 ppm	1600 ppm	Inh, Abs, Ing, Con	9.34 eV	8%/ND
Ideno(1,2,3-cd)pyrene	None	None			
Isopropylbenzene	None	None			
Isopropyltoluene	None	None			
Methylene chloride	CA - ND OSHA = 25 ppm	CA 2300 ppm	Inh, Abs, Ing, Con	11.32 eV	23%/13%
2-Methylnaphthalene	None	None	Ing		ND/ND
2-Methylphenol	None	None			
4-Methylphenol	2.3 ppm	250 ppm	Inh, Abs, Ing, Con	8.97 eV	ND/1.1%
2-Methyl 2-pentanone	None	None			
N-butylbenzene	None	None			
N-nitrosodiphenylamine	CA- ND	CA- ND	Inh, Abs, Ing, Con	8.69 eV	ND/ND
N-propylbenzene	None	None			
Naphthalene	10 ppm	250 ppm	Inh, Abs, Ing, Con	8.12 eV	5.9%/0.9%
Phenanthrene	None	None			
Phenol	5 ppm	250 ppm	Inh, Abs, Ing, Con	8.50 eV	8.6%/1.6%
Pyrene	None	None			
Sec-butylbenzene	None	None			
Tetrachloroethene	None	None			
Trichloroethene	CA - ND	CA 1000 ppm	Inh, Abs, Ing, Con	9.45 eV	10.5%/8.5%
<u>Pesticides and Non-VOCs</u>					
Aldrin	CA (0.25 ppm)	CA 25 ppm	Inh, Abs, Ing, Con	ND	NA/NA
Aroclor 1248	None	None			
BHC (alpha)	None	None	full name?		
BHC (gamma)	None	None	full name?		

Footnotes on Page 4.

Table F4-1. Chemical Constituents of Potential Concern, Exposure Limits, and Properties, Riverside Disposal Area, Kingford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ionization Potential	UEL/LEL
<u>Pesticides and Non-VOCs (continued)</u>					
4-4' DDD			full name?		
4-4' DDE			full name?		
Chlordane (alpha)	CA (0.5 ppm)	CA (100 ppm)	Inh, Abs, Ing, Con	ND	NA/NA
Chlordane (gamma)	CA (0.5 ppm)	CA (100 ppm)	Inh, Abs, Ing, Con	ND	NA/NA
Cholesterol	None	None			
Dibenzofuran	None	None			
Dieldrin	CA (0.25 ppm)	CA (50 ppm)	Inh, Abs, Ing, Con	ND	NA/NA
Diethyl phthalate	5 ppm	ND	Inh, Ing, Con	ND	NA/0.7%
Endosulfan II	0.1 ppm	ND	Inh, Abs, Ing, Con	ND	NA/NA
Endrin	0.1 ppm	2 ppm	Inh, Abs, Ing, Con	ND	NA/NA
Endrin aldehyde	None	None			
Endrin ketone	None	None			
Heptachlor epoxy**	CA (0.5 ppm)	CA (35 ppm)	Inh, Abs, Ing, Con	ND	NA/NA
Methoxychlor	CA - ND OSHA = 15 ppm	CA (5000 ppm)	Inh, Ing	ND	NA/NA
<u>Inorganics (Metals)</u>					
Aluminum	2.0 ppm	ND	Inh, Ing, Con	Varies	NA/NA
Antimony	0.5 ppm	50 ppm	Inh, Ing, Con	NA	NA/NA
Arsenic	0.002 ppm	5 ppm	Inh, Abs, Ing, Con	NA	NA/NA
Barium	0.5 ppm	50 ppm	Inh, Ing, Con	NA	NA/NA
Beryllium	CA- 0.0005 ppm	4 ppm	Inh, Con	NA	NA/NA
Cadmium	CA- 0.005 ppm (OSHA)	9 ppm	Inh, Ing	NA	NA/NA
Calcium	None	None			
Chromium	0.5 ppm	25 ppm	Inh, Ing, Con	NA	NA/NA
Cobalt	0.05 ppm	20 ppm	Inh, Ing, Con	NA	NA/NA
Copper	1.0 ppm	100 ppm	Inh, Ing, Con	NA	NA/NA
Iron	5.0 ppm	ND	Inh	NA	NA/NA
Lead	0.05 ppm	100 ppm	Inh, Ing, Con	NA	NA/NA

Page 130 of 156
NMJ Date 12/21/2009

GL 695/130
Time 12:34:49

Footnotes on Page 4.

ARCADIS

Table F4-1. Chemical Constituents of Potential Concern, Exposure Limits, and Properties, Riverside Disposal Area, Kingford, Michigan.

	OSHA PEL	IDLH	Potential Exposure Route	Ioniation Potential	UEL/LEL
Inorganics (Metals) (continued)					
Magnesium	15.0 ppm	750 ppm	Inh, Con	NA	NA/NA
Manganese	1 ppm	500 ppm	Inh, Ing, Con	NA	NA/NA
Mercury	0.5 ppm (vapor) 0.1 ppm (other)	10 ppm	Inh, Abs, Ing, Con	NA	
Molybdenum	5.0 ppm	1000 ppm	Inh, Ing, Con	NA	NA/NA
Nickel	0.015 ppm	10 ppm	Inh, Ing, Con	NA	NA/NA
Potassium	None	None			
Selenium	0.2 ppm	1.0 ppm	Inh, Ing, Con	NA	NA/NA
Silver	0.01 ppm	10 ppm	Inh, Ing, Con	NA	NA/NA
Sodium	None	None			
Thallium	0.1 ppm	15 ppm	Inh, Abs, Ing, Con	NA	
Titanium	CA - ND (15 ppm OSHA)	5000 ppm	Inh	NA	
Vanadium	OSHA = C 0.5 ppm	35 ppm	Inh, Ing, Con	NA	NA/NA
Zinc	5 ppm	500 ppm	Inh	NA	
UEL	Upper Explosive Limit.				
LEL	Lower Explosive Limit.				
PEL	Based on 8 Hour Time-Weighted Averaged.				
ppm	Part Per Million = mg/L.				
ppb	Parts Per Billion = µg/L.				
PCBs	Polychlorinated biphenyls.				
Abs	Skin Absorption.				
Ing	Ingestion				
Con	Skin and/or Eye Contact				
Inh	Inhalation				
NA	Not Applicable				
ND	Not Determined				
eV	Electron Volts				

OSHA level of protection criteria is listed when NIOSH exposure limit is not specified.

¹ Level of protection criteria for benzene obtained from OSHA 29 CFR 1910.1028/Benzene/Z/Toxic and Hazardous Substances.

IDLH Immediately Dangerous to Life or Health. In the event of respirator failure, one could escape within 30 minutes without

Table F4-1. Chemical Constituents of Potential Concern, Exposure Limits, and Properties, Riverside Disposal Area, Kingford, Michigan.

CA	experiencing any irreversible health effects. NIOSH has recommended the substance be treated as a potential human carcinogen. IDLH not listed. Level of protection criteria should be the lowest detectable concentration.
*	Eye protection is also necessary.
**	Listed as Heptachlor
From:	<ul style="list-style-type: none">- NIOSH Pocket Guide to Chemical Hazards.- Groundwater Chemicals Desk Reference Montgomery and Welkom.- Dangerous Properties of Industrial Chemicals, Sat and Lewis.

Page 132 of 156
NJ Date 12/21/2009
GL 695/132
Time 12:34:49

ARCADIS

Table F6-1. Signs and Symptoms of Chemical Exposure and Heat Stress that Indicate Potential Medical Emergencies, Riverside Disposal Area, Kingsford, Michigan.

Type of Hazard	Signs and Symptoms
<u>Chemical Hazard</u>	<ul style="list-style-type: none"> Behavioral changes Breathing difficulties Changes in complexion or skin color Coordination difficulties Coughing Dizziness Diarhea Fatigue and/or weakness Irritability Irritation of eyes, nose, respiratory tract, skin, or throat Headache Light-headedness Nausea Sneezing Sweating Tearing Tightness in the chest
<u>Heat Exhaustion</u>	<ul style="list-style-type: none"> Clammy skin Confusion Dizziness Fainting Fatigue Heat Rash Light-headedness Nausea Profuse sweating Slurred speech Weak pulse
<u>Heat Stroke</u> (may be fatal)	<ul style="list-style-type: none"> Confusion Convulsions Hot skin, high temperature (yet may feel chilled) Incoherent speech Staggering gait Sweating stops (yet residual sweat may be present) Unconsciousness

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Table F7-1. Action Levels, Riverside Disposal Area, Kingsford, Michigan.

Instrument	Reading	Action
PID	< 10 ppm or = 10 ppm	Level D
	>10 ppm, <50 ppm	Level C
	>50 ppm	Stop Work
MIE Miniram	<1.0 mg/m ³	Continue work
	>1.0 mg/m ³ < 2.5 mg/m ³	Level C or implement dust suppression
	>2.5 mg/m ³	Stop work
Combustible Gas Indicator	<20% or = 20% LEL	Continue Work
	>20% LEL	Stop Work. Allow to ventilate
Oxygen Analyzer	<19.5% or = 19.5%	Stop work, raise oxygen content with forced ventilation
	> 23% or = 23%	Stop work, allow area to ventilate

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Table F10-1. Emergency Phone Numbers and Directions to Dickinson County Memorial Hospital, Riverside Disposal Area, Kingsford, Michigan.

Site Area Code	906
Police Emergency	911
Police Non-Emergency	774-2525
Fire Emergency	911
Fire Non-Emergency	774-1265
Ambulance	911
Beacon Ambulance Service	779-5050
Rescue Squad	911
Dickinson County Sheriff	774-6262
Hospital Emergency	779-4555
Hospital Non-Emergency	774-1313
Poison Control Center	1 (800) 562-9781
Toxic Substances Center for Disease Control (CDC)	1 (404) 452-4100
CDC Hotline	1 (202) 554-1404
	1 (404) 329-2888
Contractor Project Manager Mike Stevens	1 (763) 479-1797
Client Contacts	
Ford Motor Company David Miller	1 (313) 322-3761
Kingsford Products Company Daniel Musgrove	1 (708) 728-4328
Contractor Corporate Health & Safety Mike Stevens	1 (763) 479-1797
Diggers Hotline	1 (800) 482-7171

Dickinson County Memorial Hospital - South US Highway 2, Iron Mountain, Michigan

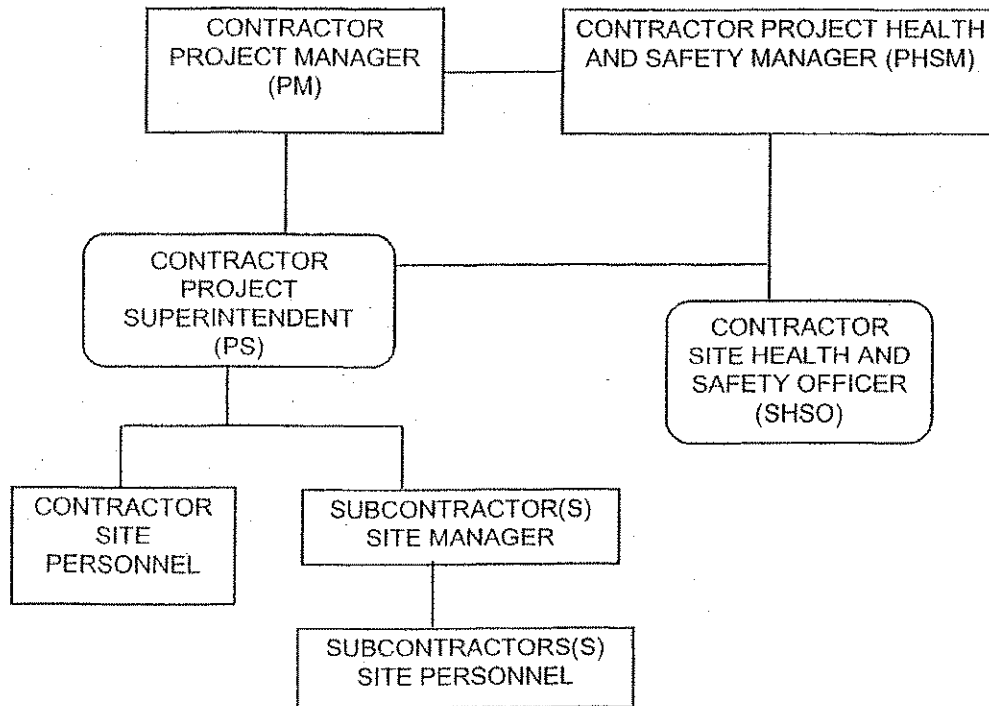
Directions to Hospital: (Figure E10-1)

East on Breitung Avenue to Hydraulic Falls Road. North (left) on Hydraulic Falls Road to US Highway 2 (Stephenson Avenue). South (right) on US Highway 2 for approximately 1 mile to Dickinson Memorial Hospital.

Figures

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Figure F2-1. Project Health and Safety Organization and Reporting, Riverside Disposal Area, Ford/Kingsford Site, Kingsford, Michigan.



Page 137 of 156
NMJ Date 12/21/2009
GL 695/137
Time 12:34:49

ARCADIS

Figure F2-2. Sample Daily Health and Safety Meeting Form, Riverside Disposal Area, Kingsford, Michigan.

SITE _____ CITY, STATE _____
WORK LOCATION AT SITE _____
PREPARED BY _____
PROJECT MANAGER _____
TYPE OF WORK _____

SAFETY TOPICS PRESENTED

CHEMICAL HAZARDS AND EXPOSURE ROUTES _____

PHYSICAL HAZARDS AT SITE AND HAZARDS RELATED TO TYPE OF WORK _____

PROTECTIVE CLOTHING/MONITORING EQUIPMENT REQUIRED _____

_____ STEEL TOE BOOTS	_____ GLOVES (SPECIFIC TYPE)
_____ HARD HAT	_____ TYVEK
_____ SAFETY GLASSES/GOGGLES	_____ RESPIRATOR (Specify Cartridge Selection)
_____ SPECIAL EQUIPMENT	_____

EMERGENCY INFORMATION

AMBULANCE/PARAMEDIC PHONE () _____ HOSPITAL () _____
ROUTE TO HOSPITAL (Attach Map if Necessary) _____

ATTENDEES

MEETING GIVEN BY	DATE	TIME
SIGNATURES _____	_____	_____
_____	_____	_____
_____	_____	_____

ARCADIS

Figure F2-5. Sample Emergency Medical Data Sheet, Riverside Disposal Area, Kingsford, Michigan.

Project: _____

Name: _____ Home Telephone _____

Address: _____

Age: _____ Height: _____ Weight: _____ Blood Type: _____

Emergency Contact: _____

Drugs or other allergies: _____

Particular sensitivities. _____

Do you wear contacts? _____

Provide checklist of previous illnesses. _____

Have you ever had any previous exposures to hazardous chemicals? Please Detail.

What medications are you currently using? _____

Do you have any medical restrictions? Please detail. _____

Name, address, and phone number of personal physician. _____

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Figure F2-6. Sample Emergency Report Form, Riverside Disposal Area, Kingsford, Michigan.

1. DATE _____
2. TIME OF ACCIDENT _____
CLIMATIC CONDITIONS _____
3. ON-SITE COORDINATOR _____
4. EMPLOYEE INJURED _____
5. COMPANY AFFILIATION _____
6. SOCIAL SECURITY NUMBER _____
7. INSURANCE COMPANY _____
8. NUMBER OF WORKERS AT SITE _____
NAMES OF WORKERS _____ COMPANY AFFILIATION _____

9. CIRCUMSTANCES OF THE INJURY/EMERGENCY ACTION _____

10. EMERGENCY ACTIONS TAKEN _____

11. WAS FIRST AID PROVIDED? _____

12. WAS AN EMERGENCY PHONE CALL MADE TO THE PROJECT
SAFETY OFFICER? _____
IF SO, TIME: _____
13. AMBULANCE SERVICE USED _____
14. HOSPITAL USED _____
15. ATTENDING PHYSICIAN _____
16. COMPANY REPRESENTATIVE CONTACTED _____
17. CONTRACTOR REPRESENTATIVE CONTACTED _____

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Figure F2-7. CHASP Approvals, Riverside Disposal Area, Kingsford, Michigan.

By their signature, the undersigned certify that this CHASP is approved and will be utilized for operations to be conducted under this plan.

Contractor Project Manager

Date

Contractor Project Superintendent

Date

Contractor PHSM

Date

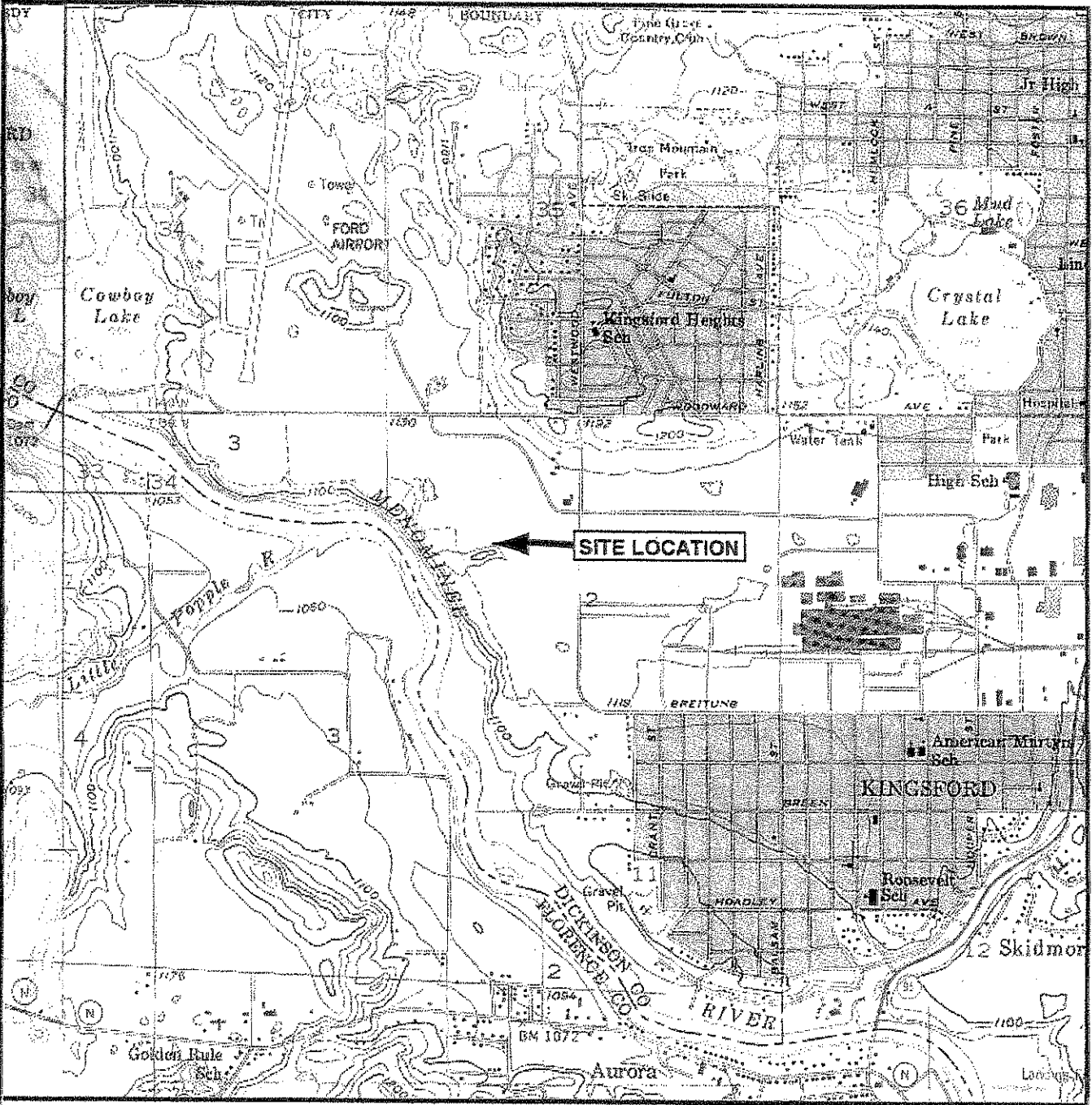
Owner

Date

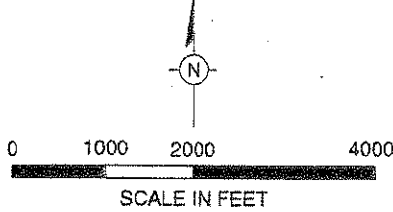
Contractor Occupational Safety and
Health Representative

Date

APPROVED: _____
 CHECKED: BE _____
 FILE NO.: GRAPHICSRDA_RAP _____
 DRAWING: SITE_LOC2.AI
 PN: FORD\W10637\KINGSFOR
 DWG DATE: 26 JUN 02



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982



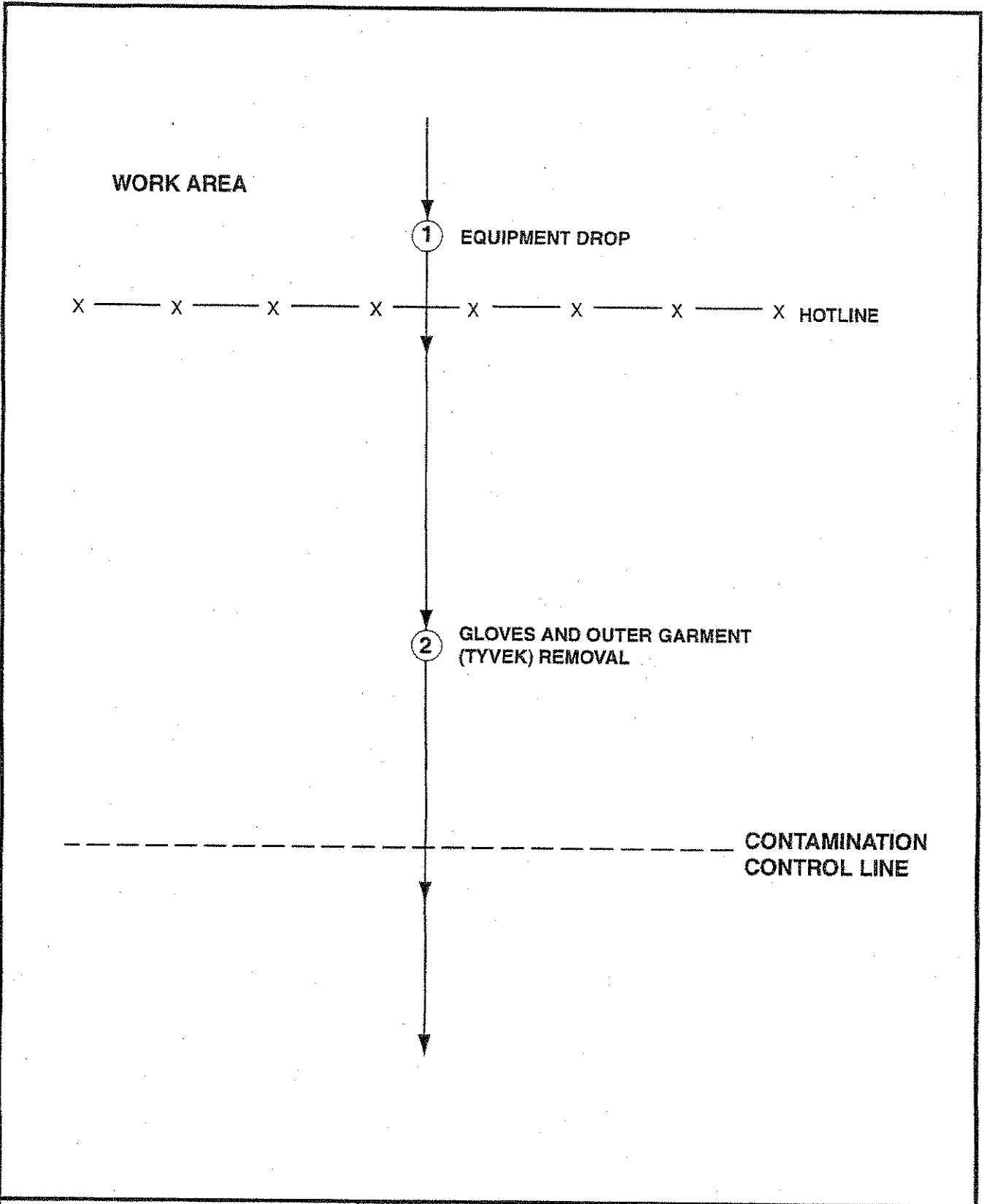
SITE LOCATION MAP

HEALTH AND SAFETY PLAN
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE

F3-1

DWG DATE: 26JUN02 | FILE NO.: GRAPHICSRDA_PAP | DRAWING: MOD_D2.A1 | CHECKED: KMILBNIK | APPROVED: | DRAFTER: ELS



**MINIMUM DECONTAMINATION LAYOUT
LEVEL D PROTECTION**

HEALTH AND SAFETY PLAN
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE
F6-1

DRAFTER: ELS

APPROVED:

CHECKED: KMLBNIK

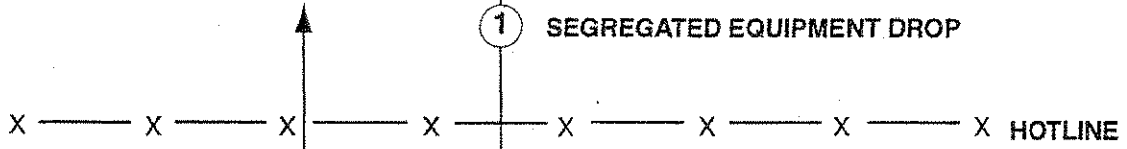
DRAWING: LEVEL_C_B2A1

FILE NO.: GRAPHICS\IRDA_RAP

PN: FORD\W10637\KINGSFOR

DWG DATE: 26 JUN 02

EXCLUSION ZONE



① SEGREGATED EQUIPMENT DROP

② OUTER GARMENT, BOOTS, AND GLOVES WASH AND RINSE

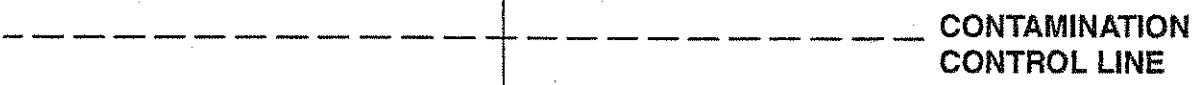
CARTRIDGE CHANGE
 NEW OUTER BOOTS
 AND GLOVES DONNED

④ ——— ③
 OUTER BOOT AND
 GLOVE REMOVAL

⑤ BOOTS, GLOVES, AND
 OUTER GARMENT REMOVAL

**CONTAMINATION
 REDUCTION ZONE**

⑥ LEVEL C - FACE PIECE REMOVAL
 LEVEL B - SCBA REMOVAL



⑦ FIELD WASH

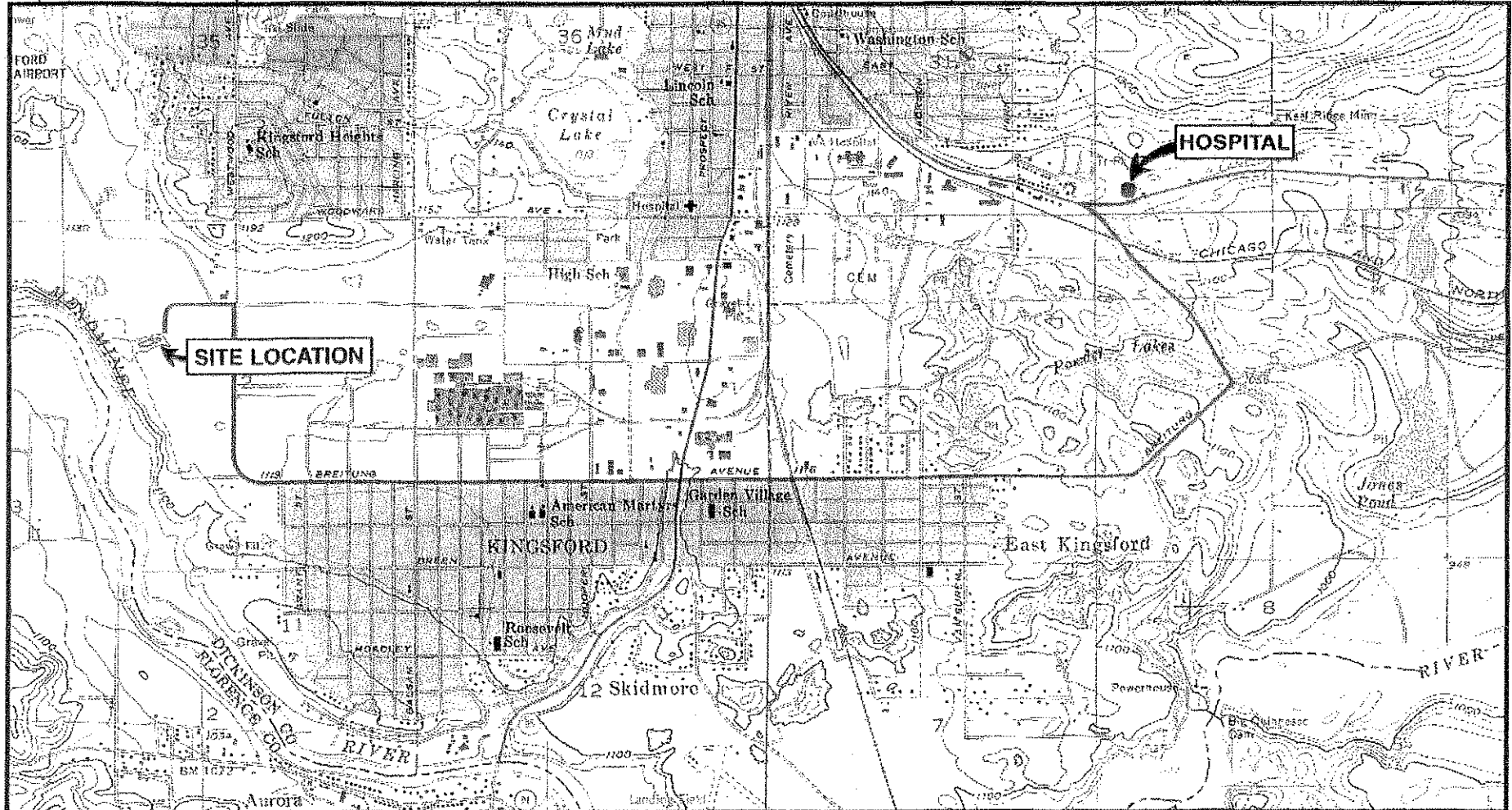
SUPPORT ZONE



**MINIMUM DECONTAMINATION LAYOUT
 LEVEL C AND LEVEL B PROTECTION**

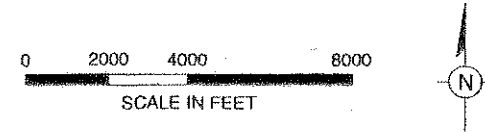
HEALTH AND SAFETY PLAN
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE
F6-2



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICH.-WIS. Quadrangle, 1955, Photorevised 1982

Route to Hospital: Pyle Drive to Westwood Avenue. Right (south) to Breitung Avenue. East on Breitung Avenue to Hydraulic Falls Road. North on Hydraulic Falls Road to U.S. Highway 2 (Stephenson Avenue). South on U.S. Highway 2 to Dickinson County Memorial Hospital.
Hospital Address: 1721 Stephenson Avenue, Iron Mountain, Michigan.



ROUTE TO HOSPITAL

HEALTH AND SAFETY PLAN
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE

F10-1

EXHIBIT G

PERMANENT MARKER DETAILS



Infrastructure, buildings, environment, communications

ARCADIS G&M, Inc.
126 North Jefferson Street
Suite 400
Milwaukee
Wisconsin 53202
Tel 414 276 7742
Fax 414 276 7603
www.arcadis-us.com

Chris Austin
Michigan Department of Environmental Quality
1420 US 2 West
Crystal Falls, MI 49920

Subject:
Permanent Marker and Signage Details, Interim Response Action Plan, Riverside
Disposal Area, Ford/Kingsford Site, Kingsford, Michigan.

ENVIRONMENT

Dear Mr. Austin:

Date:
6 June 2002

As discussed during our June 3, 2002 telephone conversation, please find enclosed the revised figures depicting the locations and details of the permanent markers, and details of the notification signs required for the engineered cover at the subject site. Following installation of the permanent markers, the exact Northings and Eastings will be surveyed and the legal description will be finalized and appropriately sealed by a State of Michigan licensed land surveyor.

Contact:
Ric Studebaker

Phone:
414 277 6225

We trust this information will meet your needs. If you have any questions, or require any further information, please contact the undersigned.

Email:
rstudebaker@arcadis-us.com

Sincerely,

Our ref:
WI000950.0011.00001

ARCADIS G&M, Inc.

Richard L. Studebaker, Jr.
Senior Engineer

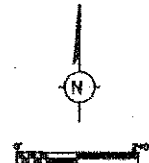
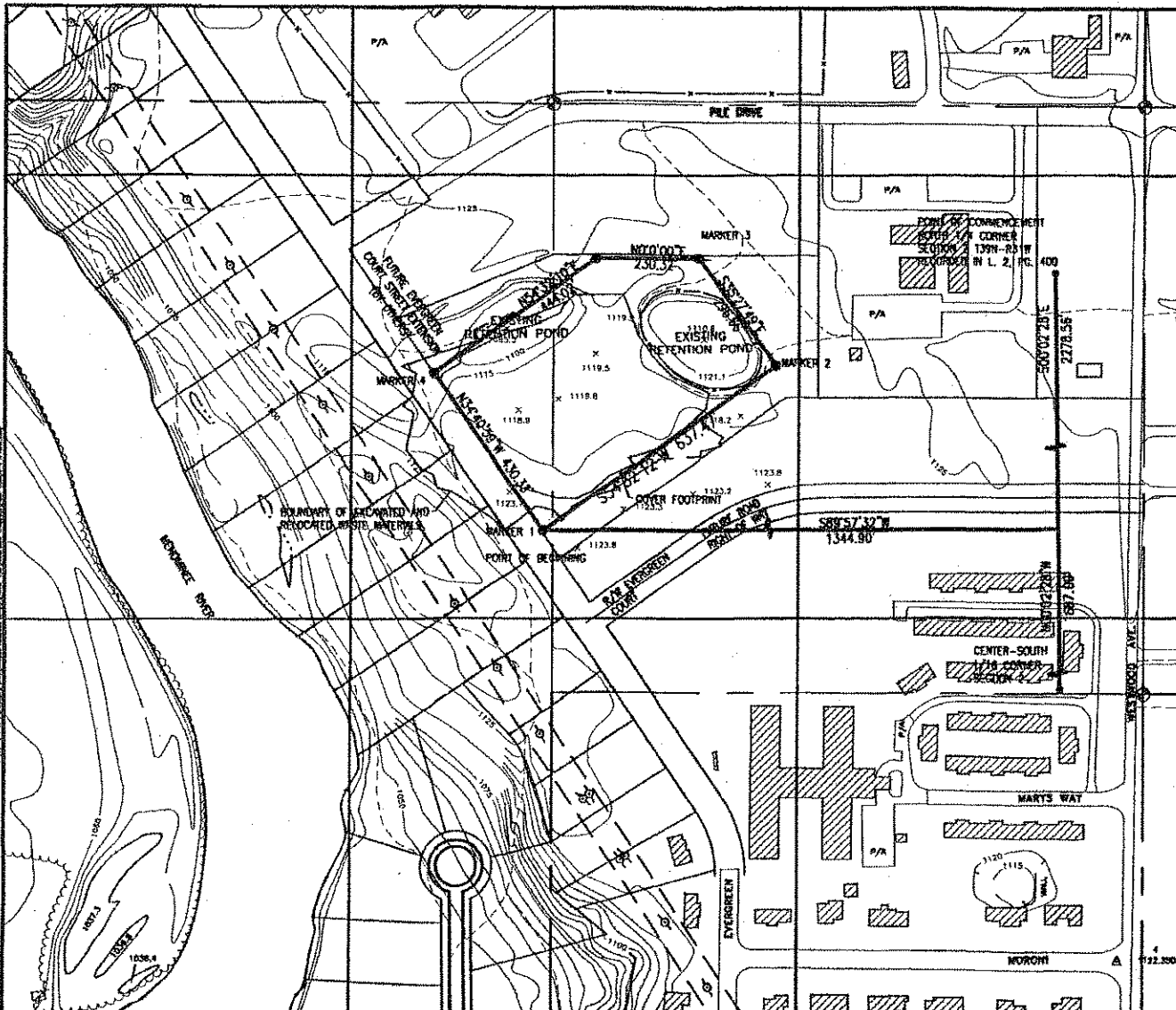
Enclosure

Copies:
David Miller
Dan Musgrove

Page 151 of 156
NMJ Date 12/21/2009
GL 695/151
Time 12:34:49

Part of a bigger picture

2 6 1 - 6/6/02



A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF THE NORTHWEST QUARTER OF SECTION 2 TOWNSHIP 39 NORTH, RANGE 31 WEST, CITY OF KINGSFORD, COUNTY OF DICKINSON, STATE OF MICHIGAN DESCRIBED AS:

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 2; THENCE $90^{\circ}02'23''$ E, 2278.56' ALONG THE NORTH-SOUTH 1/4 LINE OF SECTION 2; THENCE $89^{\circ}57'32''$ W, 1344.90' TO A POINT 0.57' NORTHEAST OF THE NORTHEAST RIGHT-OF-WAY LINE OF EVERGREEN COURT BEING THE POINT OF BEGINNING; THENCE $N54^{\circ}49'59''$ W, 430.33' PARALLEL TO THE NORTHEAST RIGHT-OF-WAY LINE; THENCE $N54^{\circ}32'18''$ E, 444.02'; THENCE $N50^{\circ}00'00''$ E, 230.32'; THENCE $E35^{\circ}27'49''$ E, 296.66'; THENCE $S54^{\circ}32'12''$ W, 637.47' TO THE POINT OF BEGINNING CONTAINING 5.9803 ACRES AND SUBJECT TO RESTRICTIONS, RESERVATIONS, RIGHTS-OF-WAY AND EASEMENTS OF RECORD.

ALL PROFESSIONAL ENGINEERING SERVICES
 PERFORMED BY THIS OFFICE HAVE BEEN
 PERFORMED FOR ARCADIS GERAGHTY & MILLER,
 INC. BY CIVIL, INC. A FLORIDA CORPORATION
 QUALIFIED TO PERFORM SUCH SERVICES IN THE
 STATE OF MICHIGAN.

DRAWING CONFIDENTIAL: THIS DRAWING
 AND ALL INFORMATION CONTAINED HEREON IS
 AND SHALL REMAIN THE PROPERTY OF ARCADIS
 GERAGHTY & MILLER, INC. IN AN AGREEMENT OF
 PROFESSIONAL SERVICE, THE AGREEMENT SHALL
 NOT BE USED IN WHOLE OR IN PART WITHOUT
 THE FULL WRITTEN AND SIGNED WRITTEN CON-
 SENT OF ARCADIS GERAGHTY & MILLER, INC.

NO.	DATE	REVISION DESCRIPTION	BY

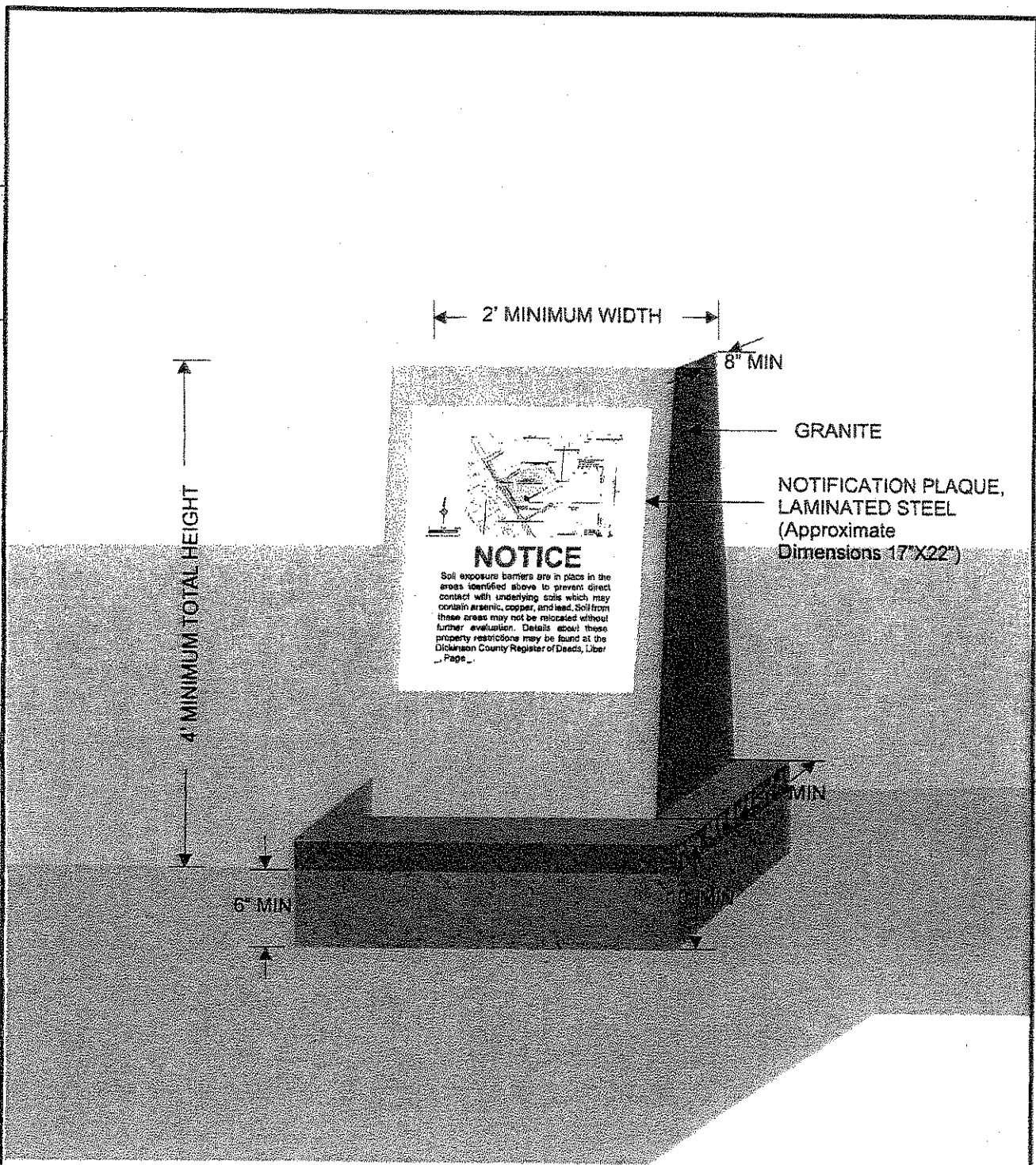
ARCADIS GERAGHTY & MILLER

7600 Northway
 Tampa, Florida 33634
 Tel: 813-289-1001 Fax: 813-289-2299

RIVERSIDE DISPOSAL AREA
 FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

DRAWN	DATE	PROJECT MANAGER	DEPARTMENT MANAGER
CEJ	02/18/09	EC	BR
LEGAL DESCRIPTION		LEAD DESIGN PROJ.	CHECKED
RDA COVER FOOTPRINT		PROJECT NUMBER	TITLE
		W00925.0011	G1

DWG DATE: 08MAY02 | IPN: WID1025VRDAISOCCER FIELD/CONSTRUCTION REPORT/FINAL FIGURES | DRAWING MARKER DESIGN-FINAL CDR | CHECKED: BZ | APPROVED: RS | DRAFTER: DKN

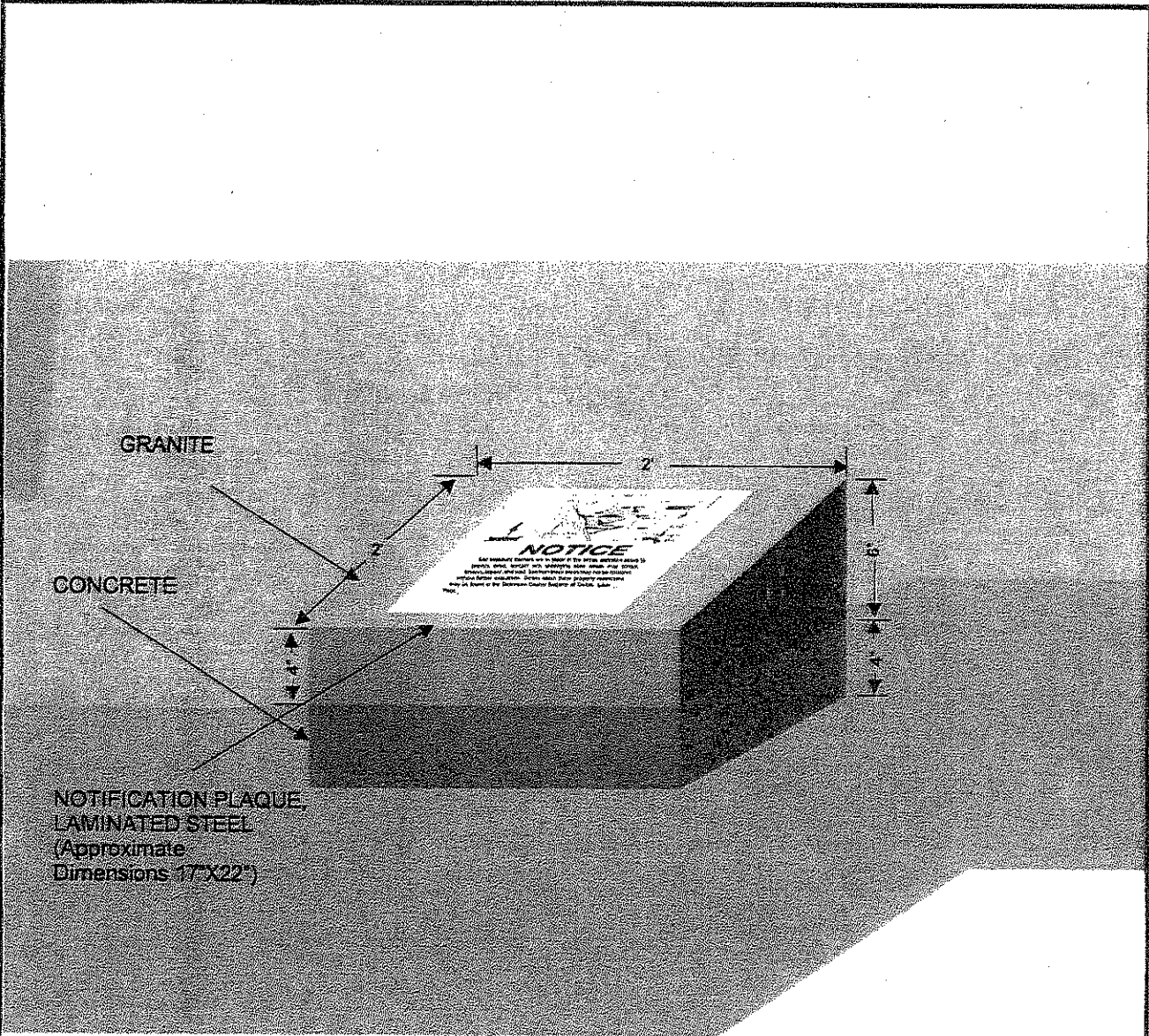


NOT TO SCALE



PERMANENT MARKER DESIGN
Page 153 of 156 GL 695/153
NMJ Date 12/21/2009 Time 12:34:49
FORD/KINGSFORD SITE
KINGSFORD, MICHIGAN

FIGURE
2



GRANITE

CONCRETE

NOTIFICATION PLAQUE
 LAMINATED STEEL
 (Approximate
 Dimensions 17"X22")

NOT TO SCALE

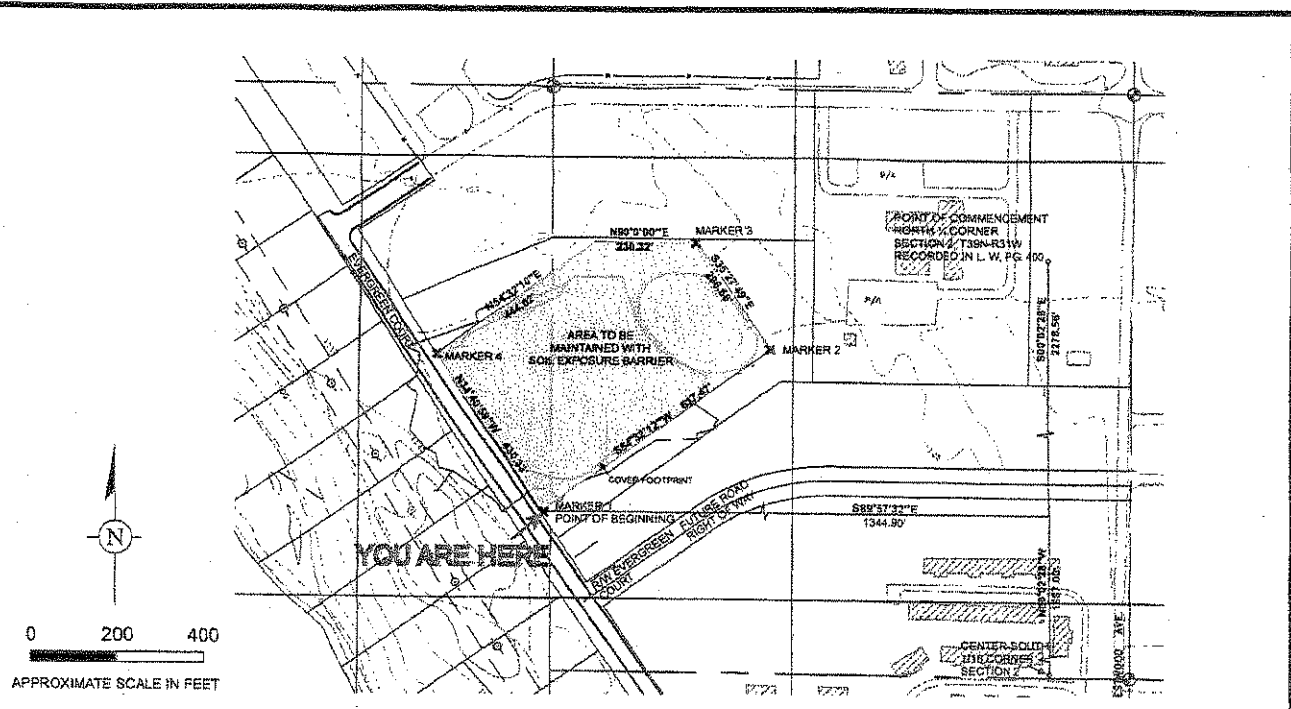


SMALL MARKER DESIGN

FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE
 2A

GL 695/155 Time 12:34:49
 PN: W101025RDAISOCER FIELD CONSTRUCTION REPORT FINAL FIGURES MARKER DISPLAY FINAL 1.CDR
 DRAFTER: DKN
 APPROVED: RS
 CHECKED: BZ



NOTICE

Soil exposure barriers are in place in the areas identified above to prevent direct contact with underlying soils which may contain arsenic, copper, and lead. Soil from these areas may not be relocated without further evaluation. Details about these property restrictions may be found at the Dickinson County Register of Deeds, Liber __, Page __.



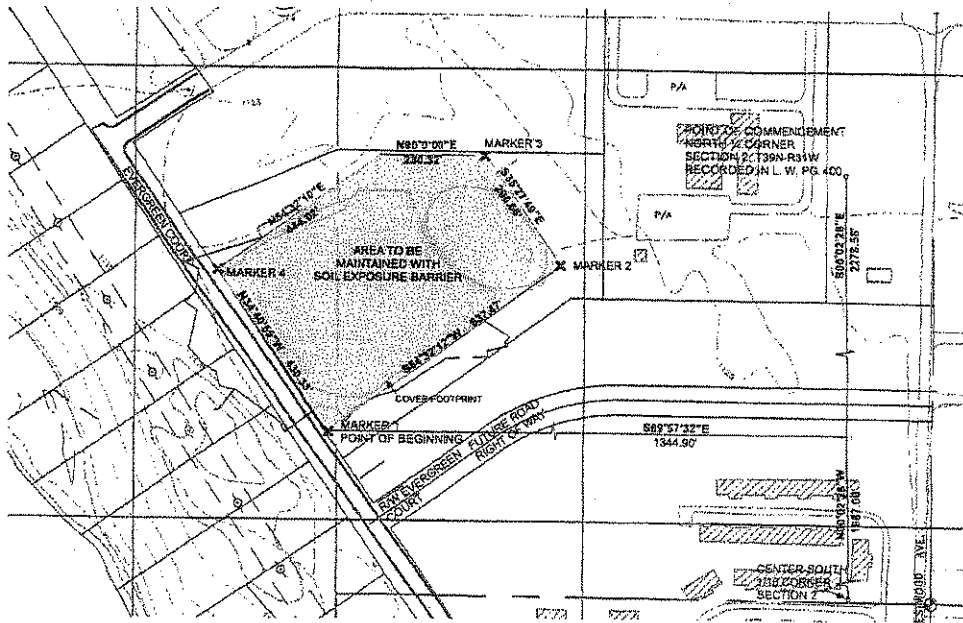
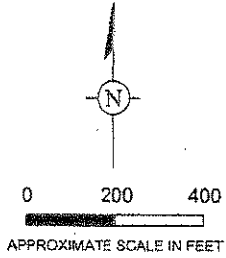
NOTIFICATION SIGN DISPLAY

FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE

3

DWG DATE: 08MAY02 | PN: WID10251RDAISOCCER FIELD CONSTRUCTION REPORT/FINAL FIGURES/MARKER DISPLAY/FINAL2.CDR | CHECKED: BZ | APPROVED: RS | DRAFTER: DKN



NOTICE

Soil exposure barriers are in place in the areas identified above to prevent direct contact with underlying soils which may contain arsenic, copper, and lead. Soil from these areas may not be relocated without further evaluation. Details about these property restrictions may be found at the Dickinson County Register of Deeds, Liber __, Page __.



NOTIFICATION SIGN DISPLAY

FORD/KINGSFORD SITE
 KINGSFORD, MICHIGAN

FIGURE

3A

Appendix B

Access Agreements



**Access Agreement**

This Access Agreement ("Agreement") is entered into on this 11th day of November, by and between Stella B. Engman, holding a life estate in the Property, as defined below, and Elaine Thomas, holding a vested remainder in the Property, as defined below (together, the "Property Owners"), Ford Motor Company ("Ford") and the Kingsford Products Company ("KPC").

The Property Owners and Ford/KPC agree as follows:

- A. The Property Owners are the owners of land located at 120 Lawrence Street, Kingsford, Dickinson County, Michigan (the "Property"). The Property Owners warrant that no other person or entity owns any interest in the Property. The legal description of the property is included as Exhibit A.
- B. In 2005, Ford/KPC installed at the Property an extraction well, related underground piping and a shed and power drop used to operate and maintain the well, piping, and other related equipment (collectively, the "Equipment") (see Figure 1). The Property Owner has allowed Ford/KPC access to the Property to use, maintain and monitor the Equipment.
- C. The Property Owners agree for the sum of [REDACTED] to be paid by Ford/KPC to the Property Owners collectively within 60 days of execution of this Access Agreement, to give Ford/KPC, the Michigan Department of Natural Resources and the Environment ("MDNRE"), and each of their respective agents, consultants, employees and contractors, the right to continue to use the Property, at reasonable times and in a reasonable manner to access, operate, maintain, monitor, remove, modify, replace or relocate the Equipment or to install additional equipment, including, but not limited to, a passive vent or portable trailer, as may be necessary or warranted to meet the requirements of the Consent Judgment entered into by Ford and KPC with the MDNRE in Case No. 07-1427-CE. The Property Owner also agrees to not tamper with any such equipment installed on the property by Ford/KPC or the MDNRE.
- D. The Property Owner shall notify Ford/KPC in writing prior to any transfer of any interest in the Property and shall provide the transferee with a copy of this Agreement prior to the conveyance.
- E. This Agreement shall be construed as a covenant running with the land. It shall be recorded with the Dickinson County Register of Deeds and shall be binding on the Property Owner and any successors holding any interest in the Property.
- F. Ford/KPC may terminate this Agreement whenever they determine that it is no longer necessary or warranted to enter the Property. Upon termination, Ford/KPC shall be responsible for proper abandonment of below ground pipes and removal of any of its equipment on the surface of the Property in accordance with applicable law.

IN WITNESS WHEREOF, this Agreement has been executed the day and year first above written.

Dolly Cook

8P

Dickinson County

Page 1 of 8

GL 718/281

NMJ Date 11/22/2010

Time 10:57:00

THE KINGSFORD PRODUCTS COMPANY LLC

By: *Angela C. Hilt*

Name: Angela C. Hilt

Its: VP-Corporate Secretary & Assoc. General Counsel

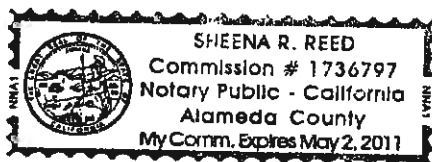
The Kingsford Products Company LLC:

State of California

County of Alameda

Subscribed and sworn to (or affirmed) before me on this 11th day of November, 2010, by Angela Hilt, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person~~s~~ who appeared before me.

(seal)



Signature *Sheena R. Reed*

Drafted by and when recorded return to:

Tammy L. Helminski
Dickinson Wright PLLC
500 Woodward Ave. Ste. 4000
Detroit, Michigan 48226

EXHIBIT A

Legal Description of Property Subject to the Access Agreement

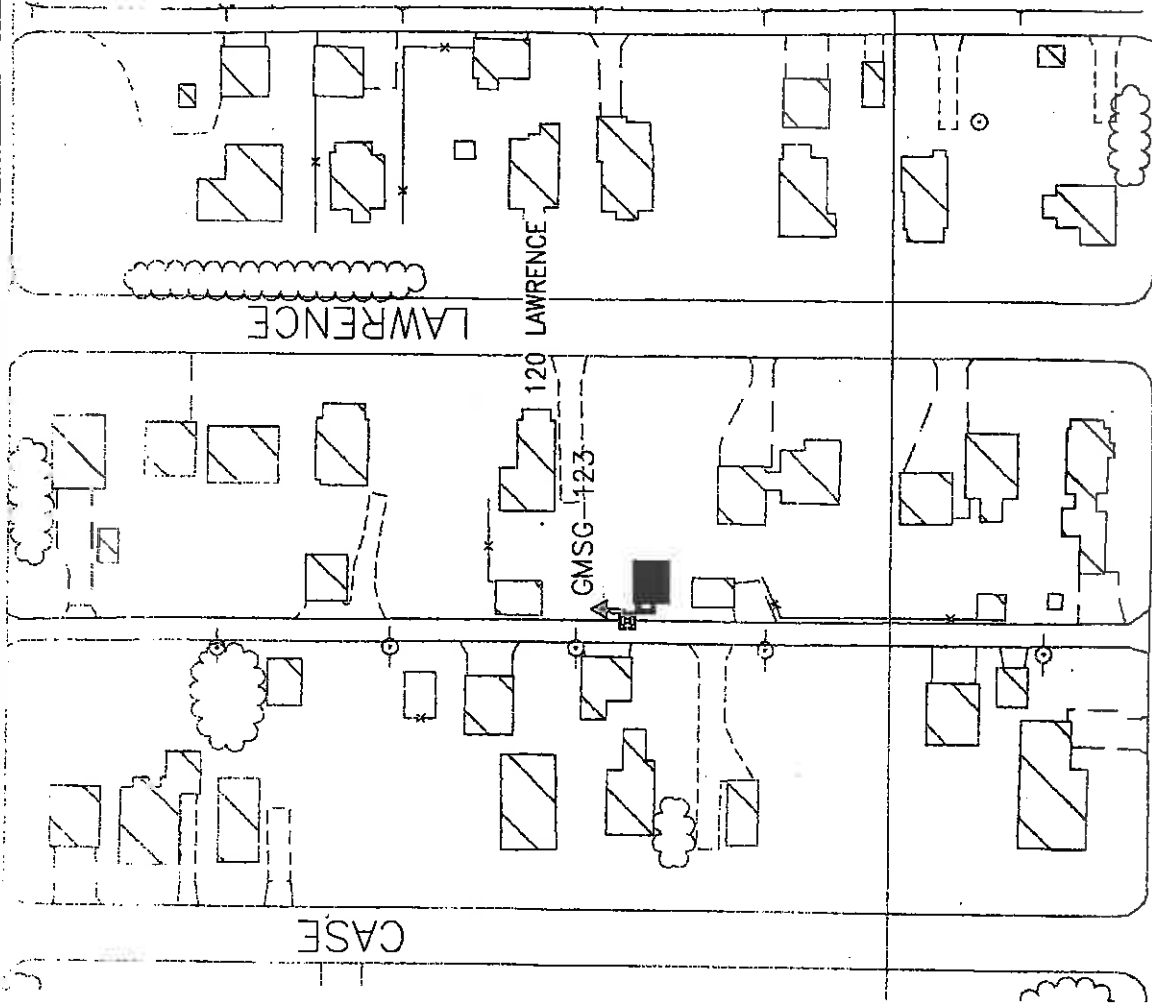
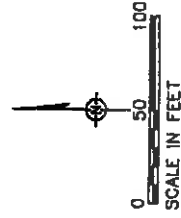
Parcel Number: 22052-544-006-00

K-P23 1994 LOTS 6 & 7 BLK 4 VILLAGE OF WEST BREITUNG.

FIGURE 1

Drawing of Property Subject to the Access Agreement

- LEGEND**
- SVE SYSTEM
 - ▲ SOIL VAPOR PROBE
 - - - SOIL VAPOR EXTRACTION LINES
 - (6-7) DEPTH OF PIPE
 - ⊠ POWER PEDESTAL
 - BURIED ELECTRIC LINE



FORD / KINGSFORD

GMSG-123 SVE SYSTEM

KINGSFORD, MICHIGAN

Project Number
 W1001250

Drawing Date
 9/10/05

Figure
 1

Area Manager
 M. MAIERLE
 Project Director
 R. STUDEBAKER
 Task Manager
 J. COTA
 Technical Review
 M. RALL

© 2005 ARCADIS GDM, INC.

126 North Jefferson Street, Suite 400
 Milwaukee, Wisconsin 53202
 Tel: 414-276-7742 Fax: 414-276-7603
 www.arcadis-us.com

Dickinson County

12888
STATE OF
MICHIGAN
11/22/2010
GL 718/275



C
S

12888
**REAL ESTATE
TRANSFER TAX**

DCC40337

5.50
37.50

2010 NOV 22 AM 10:47

Access Agreement

This Access Agreement ("Agreement") is entered into on this 28th day of October, by and between Thomas L. Quick and Kelly L. Quick (the "Property Owners"), Ford Motor Company ("Ford") and the Kingsford Products Company ("KPC").

The Property Owners and Ford/KPC agree as follows:

- A. The Property Owners are the owners of Lot Five (5) of Block Numbered One (1) of the Plat of Blixts and Bellagamba's First Addition to the Village (now City) of Kingsford, Dickinson County, Michigan as reflected on the August 27, 2008 Warranty Deed recorded at GL 660/427 (the "Property"). The Property Owners warrant that no other person or entity owns any interest in the Property. The legal description of the Property is included as Exhibit A.
- B. In 2004, Ford/KPC installed near the Property an extraction well in the City of Kingsford Right of Way.
- C. The Property Owners agree for the sum of [REDACTED], to be paid by Ford/KPC to the Property Owners within 60 days of execution of this Access Agreement, to give Ford/KPC, the Michigan Department of Natural Resources and the Environment ("MDNRE"), and each of their respective agents, consultants, employees and contractors, the right to use the Property at reasonable times and in a reasonable manner to place a temporary trailer and related equipment on the Property, to install a power drop on the Property and to access, operate, maintain, monitor, remove, modify, replace or relocate the trailer, extraction well, and/or power drop and related equipment or to install additional equipment, including but not limited to a passive vent, storage shed and underground piping, as may be necessary or warranted to meet the requirements of the Consent Judgment entered into by Ford and KPC with the MDNRE in Case No. 07-1427-CE. The Property Owners also agree to not tamper with any such equipment installed on the Property by Ford/KPC or the MDNRE.
- D. The Property Owners shall notify Ford/KPC in writing prior to any transfer of any interest in the Property and shall provide the transferee with a copy of this Agreement prior to the conveyance.
- E. This Agreement shall be construed as a covenant running with the land. It shall be recorded with the Dickinson County Register of Deeds and shall be binding on the Property Owner and any successors holding any interest in the Property.
- F. Ford/KPC may terminate this Agreement whenever they determine that it is no longer necessary or warranted to enter the Property. Upon termination, Ford/KPC shall be responsible for proper abandonment of below ground pipes and removal of any of its equipment on the surface of the Property in accordance with applicable law.

IN WITNESS WHEREOF, this Agreement has been executed the day and year first above written.

Dolly Cook 6P
Dickinson County
Page 1 of 6 GL 718/275
NMJ Date 11/22/2010 Time 10:56:02

THE KINGSFORD PRODUCTS COMPANY LLC

By: Angela C. Hilt

Name: Angela C. Hilt

Its: VP-Corporate Secretary & Assoc. General Counsel

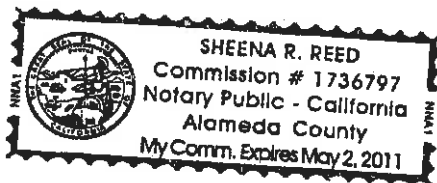
The Kingsford Products Company LLC:

State of California

County of Alameda

Subscribed and sworn to (or affirmed) before me on this 11th day of November, 2010, by Angela Hilt, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

(seal)



Signature Sheena R. Reed
Notary Public

Drafted by and when recorded return to:

Tammy L. Helminski
Dickinson Wright PLLC
500 Woodward Ave. Ste. 4000
Detroit, Michigan 48226

EXHIBIT A

Legal Description of Property Subject to the Access Agreement

Lot Numbered Five (5) of Block Numbered One (1) of the Plat of Blixts and Bellagamba's First Addition to the Village (now City) of Kingsford.

2011 AUG -2 PM 1:42

Access Agreement

This Access Agreement ("Agreement") is entered into on this 20 day of July 2011 by and between William and Sheila Burby, husband and wife (the "Property Owner"), Ford Motor Company ("Ford") and the Kingsford Products Company, LLC ("KPC").

The Property Owner and Ford/KPC agree as follows:

- A. The Property Owner is the owner of land located at 2001 Emmet, Kingsford, Dickinson County, Michigan (the "Property"). The Property Owner warrants that no other person or entity owns any interest in the Property. The legal description of the property is included as Exhibit A.
- B. In 1997, the U.S. Environmental Protection Agency installed one monitoring well and one extraction well, related underground piping and a shed and power drop used to operate and maintain the well, piping and other related equipment (collectively the "Equipment"), as shown on Figure 1. In May 1998, Ford/KPC assumed responsibility for Operation and Maintenance of the Equipment. The Property Owner has allowed Ford/KPC access to the Property to use, maintain and monitor the Equipment.
- C. The Property Owner grants, for the sum of [REDACTED] to be paid by Ford/KPC to the Property Owner within 60 days of execution of this Access Agreement, to Ford/KPC, the Michigan Department of Environmental Quality ("MDEQ"), and each of their respective agents, consultants, employees and contractors, the right to continue to use the Property, at reasonable times and in a reasonable manner to access, operate, maintain, monitor, sample, remove, modify, replace or relocate the Equipment in conjunction with the Consent Judgment entered into by Ford and KPC with the MDEQ in Case No. 07-1427-CE. Ford/KPC shall restore grass, trees, vegetation, or other landscaping disturbed by their activities at any and all times during the term of this Agreement. The Property Owner also agrees to not tamper with the Equipment (including the Equipment as it may be modified or replaced) installed on the Property.
- D. The Property Owner shall notify Ford/KPC in writing prior to any transfer of any interest in the Property and shall provide the transferee with a copy of this Agreement prior to the conveyance.
- E. This Agreement shall be construed as a covenant running with the land. It shall be recorded by Ford/KPC with the Dickinson County Register of Deeds and shall be binding on the Property Owner and any successors holding any interest in the Property.
- F. Ford/KPC shall terminate this Agreement whenever they determine that it is no longer necessary or warranted to enter the Property. Upon termination, Ford/KPC shall be responsible for proper abandonment of the Equipment in accordance with applicable law, and to restore the surface of the Property.

IN WITNESS WHEREOF, this Agreement has been executed the day and year first above written.

PROPERTY OWNER:

William Burby

William Burby

Sheila Burby

Sheila Burby

STATE OF MI)

) SS

COUNTY OF Dickinson)

The foregoing instrument was acknowledged before me on this 7 day of July, 2011, by William Burby.

Roger K Scott

Notary Public

DICKINSON County, MICHIGAN

Acting in DICKINSON County

My Commission Expires: 9-21-13

STATE OF MI)

) SS

COUNTY OF Dickinson)

The foregoing instrument was acknowledged before me on this 7 day of July, 2011, by Sheila Burby.

Roger K Scott

Notary Public

DICKINSON County, MICHIGAN

Acting in DICKINSON County

My Commission Expires: 9-21-13



FORD MOTOR COMPANY

By: *Louis J. Ghilardi*

Name: Louis J. Ghilardi

Its: Assistant Secretary

STATE OF Michigan)
) SS
COUNTY OF Wayne)

The foregoing instrument was acknowledged before me on this 19th day of July, 2011, by Louis J. Ghilardi the Assistant Secretary of Ford Motor Company, on behalf of said Company.

Jessica Clark

Notary Public

Wayne County, Michigan

Acting in Wayne County

My Commission Expires: March 17, 2013

THE KINGSFORD PRODUCTS COMPANY LLC

By: [Signature]

Name: Angela C. Hilt

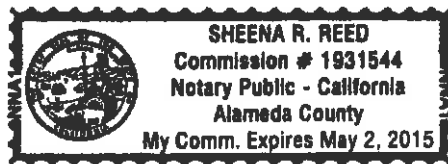
Its: Vice President - Secretary

State of California

County of Alameda

Subscribed and sworn to (or affirmed) before me on this 20th day of July, 2011, by Angela C. Hilt, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

(seal)



Signature [Signature]

Drafted by and when recorded return to:

Tammy L. Helminski
Dickinson Wright PLLC
500 Woodward Ave. Ste. 4000
Detroit, Michigan 48226

EXHIBIT A

Legal Description of Property Subject to the Access Agreement

Lots Seventy-seven (77) and Seventy-eight (78), Tramontines Second Addition, according to the recorded plat thereof, as recorded in the Quit Claim Deed at Liber 326 of Records, Page 995.

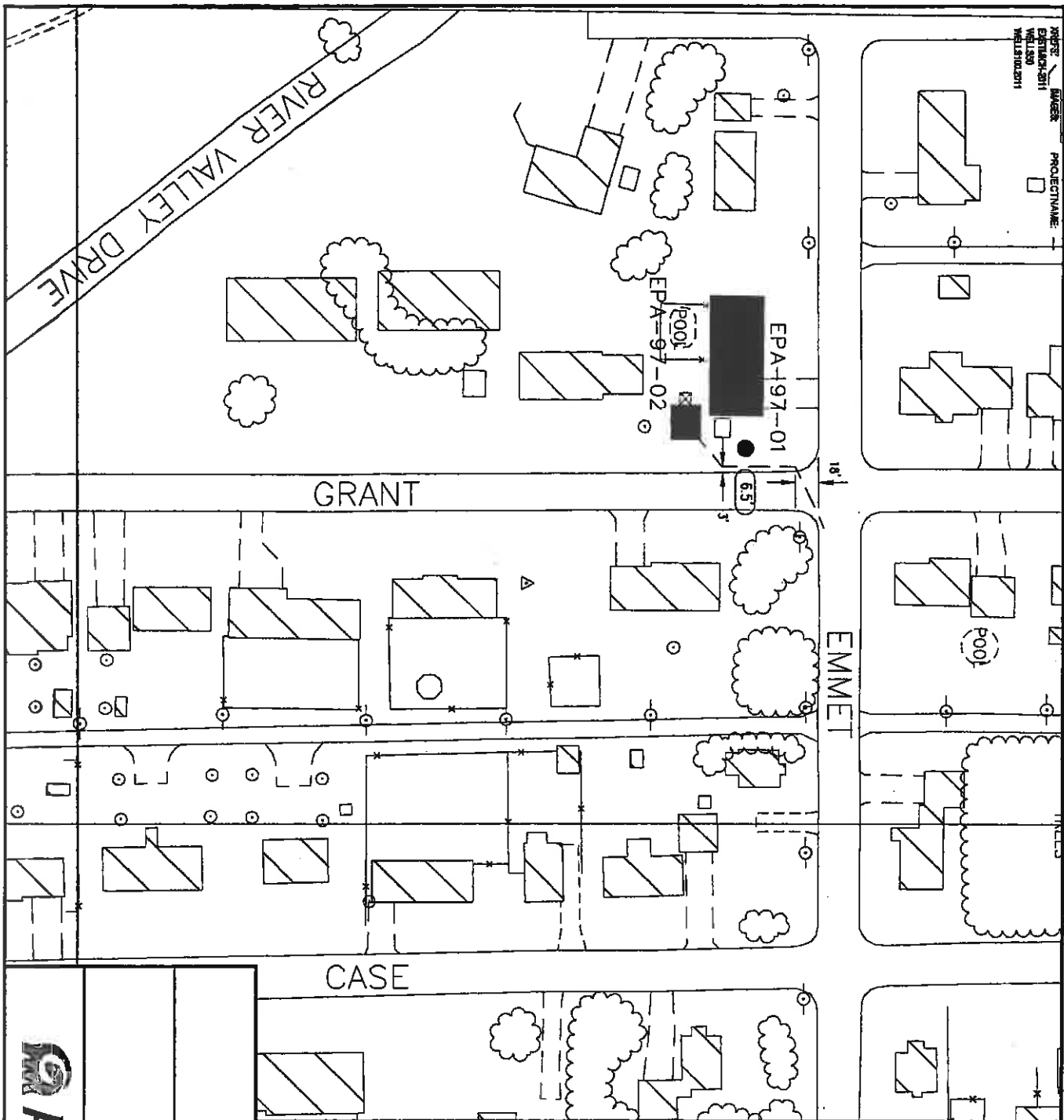
Parcel Number: 22-052-520-077-00

Commonly known as: 2001 Emmet, Kingsford, Michigan

FIGURE 1

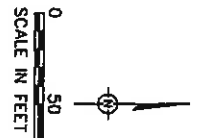
Drawing of Property Subject to the Access Agreement

CITY OF ANN ARBOR DEPARTMENT OF ENVIRONMENTAL SERVICES
 PROJECT NAME: 2001 W. EMMET
 DATE: 08/03/2011
 DRAWN BY: J. B. BROWN
 CHECKED BY: J. B. BROWN
 PROJECT NUMBER: 08-03-2011-001



LEGEND

- MONITORING WELL
- 2001 W. EMMET
- SVE SYSTEM
- SOIL VAPOR EXTRACTION LINES
- DEPTH OF PIPE
- ☒ POWER PEDESTAL



FORDKINGSFORD
 W/001276
 KINGSFORD, MICHIGAN

2001 W. EMMET



Dolly Cook
Dickinson County

8P

Page 1 of 8

NMJ Date 08/03/2011

GL 733/50

Time 08:41:27

2011 AUG -2 PM 1:42

Access Agreement

This Access Agreement ("Agreement") is entered into on this 30 day of June 2011 by and between Riverside SF Properties, LLC (the "Property Owner"), Ford Motor Company ("Ford") and the Kingsford Products Company LLC ("KPC").

The Property Owner and Ford/KPC agree as follows:

- A. The Property Owner is the owner of land located at 290 River Pointe Parkway, Kingsford, Dickinson County, Michigan (the "Property"). The Property Owner warrants that no other person or entity owns any interest in the Property. The legal description of the property is included as Exhibit A.
- B. In 1997, Ford/KPC installed one monitoring well at the Property. The Property Owner has allowed Ford/KPC access to the Property to use, maintain and monitor the well. The location of the well is shown on Figure 1.
- C. The Property Owner grants, for the sum of [REDACTED] to be paid by Ford/KPC to the Property Owner within 60 days of execution of this Access Agreement, to Ford/KPC, the Michigan Department of Environmental Quality ("MDEQ"), and each of their respective agents, consultants, employees and contractors, the right to continue to use the Property, at reasonable times and in a reasonable manner to access, operate, maintain, monitor, sample, remove, modify or replace the monitoring well in conjunction with the Consent Judgment entered into by Ford and KPC with the MDEQ in Case No. 07-1427-CE. Ford/KPC shall restore grass, trees, vegetation, or other landscaping disturbed by their activities at any and all times during the term of this Agreement. The Property Owner also agrees to not tamper with the monitoring well installed on the Property.
- D. The Property Owner shall notify Ford/KPC in writing prior to any transfer of any interest in the Property and shall provide the transferee with a copy of this Agreement prior to the conveyance.
- E. This Agreement shall be construed as a covenant running with the land. It shall be recorded by Ford/KPC with the Dickinson County Register of Deeds and shall be binding on the Property Owner and any successors holding any interest in the Property.
- F. Ford/KPC shall terminate this Agreement whenever they determine that it is no longer necessary or warranted to enter the Property. Upon termination, Ford/KPC shall be responsible for proper abandonment of the monitoring well in accordance with applicable law, and to restore the surface of the Property.

IN WITNESS WHEREOF, this Agreement has been executed the day and year first above written.

RIVERSIDE SF PROPERTIES, LLC:

By: 

Name: Kevin J. Kleinert

Its: Designated Member

STATE OF Wisconsin

) SS

COUNTY OF Manitowoc

The foregoing instrument was acknowledged before me on this 30 day of June 2011, by Kevin J. Kleinert, the designated member of Riverside SF Properties, LLC.




Notary Public Kari L. Waack

Manitowoc County, WI

Acting in Manitowoc County

My Commission Expires: 5-19-2013

FORD MOTOR COMPANY

By: 

Louis J. Ghilardi

Name: _____

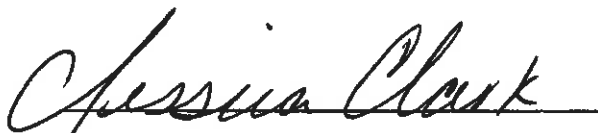
Assistant Secretary

Its: _____

STATE OF Michigan) SS

COUNTY OF Wayne

The foregoing instrument was acknowledged before me on this 19th day of July, 2011, by Louis J. Ghilardi the Assistant Secretary of Ford Motor Company, on behalf of said Company.



Notary Public

Wayne County, Michigan

Acting in Wayne County

My Commission Expires: March 17, 2013

THE KINGSFORD PRODUCTS COMPANY LLC

By: [Signature]

Name: Angela C. Hilt

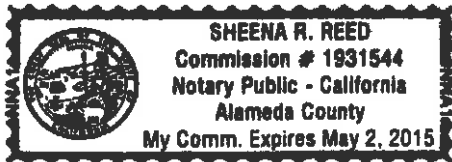
Its: Vice President - Secretary

The Kingsford Products Company LLC:

State of California

County of Alameda

Subscribed and sworn to (or affirmed) before me on this 20th day of July, 2011, by Angela C. Hilt, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.



(seal)

Signature [Signature]
Sheena R. Reed
Notary Public

Drafted by and when recorded return to:

Tammy L. Helminski
Dickinson Wright PLLC
500 Woodward Ave. Ste. 4000
Detroit, Michigan 48226

EXHIBIT A

Legal Description of Property Subject to the Access Agreement

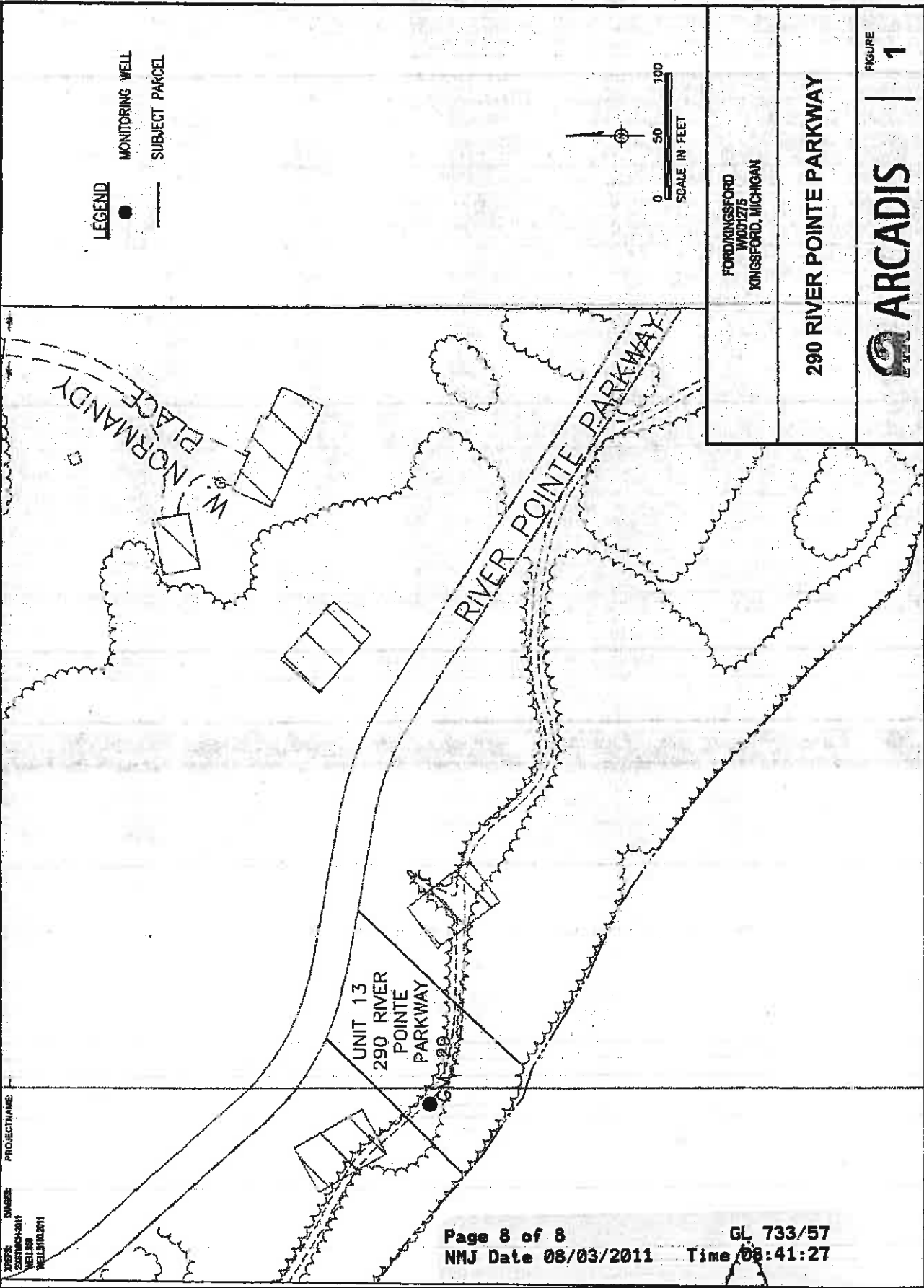
UNIT THIRTEEN (13) OF RIVERDALE CONDOMINIUM, DICKINSON COUNTY CONDOMINIUM SUBDIVISION PLAN NUMBER ELEVEN (11), according to the Master Deed recorded in Liber 682 of Records, Page 131, Dickinson County Register of Deeds, and all Amendments thereto.

Commonly known as: 290 River Pointe Parkway, Kingsford, Michigan

FIGURE 1.

Drawing of Property Subject to the Access Agreement

CITY OF KINGSFORD, OHIO
PROJECT: 290 RIVER POINTE PARKWAY
DATE: 08/03/2011
DRAWN BY: J. WELLS
CHECKED BY: J. WELLS
PROJECT NAME: 290 RIVER POINTE PARKWAY



FORD/KINGSFORD WADZIS KINGSFORD, MICHIGAN
290 RIVER POINTE PARKWAY
ARCADIS
FIGURE 1

2011 AUG -2 PM 1:42

Access Agreement

This Access Agreement ("Agreement") is entered into on this 20 day of July 2011, by and between Paul E. and Patricia J. Beauchamp, husband and wife (the "Property Owner"), Ford Motor Company ("Ford") and the Kingsford Products Company LLC ("KPC").

The Property Owner and Ford/KPC agree as follows:

- A. The Property Owner is the owner of land located at 282 River Pointe Parkway, Kingsford, Dickinson County, Michigan (the "Property"). The Property Owner warrants that no other person or entity owns any interest in the Property. The legal description of the property is included as Exhibit A.
- B. In 1997, Ford/KPC installed one monitoring well at the Property. The Property Owner has allowed Ford/KPC access to the Property to use, maintain and monitor the well. The location of the well is shown on Figure 1.
- C. The Property Owner grants, for the sum of [REDACTED] to be paid by Ford/KPC to the Property Owner within 60 days of execution of this Access Agreement, to Ford/KPC, the Michigan Department of Environmental Quality ("MDEQ"), and each of their respective agents, consultants, employees and contractors, the right to continue to use the Property, at reasonable times and in a reasonable manner to access, operate, maintain, monitor, sample, remove, modify or replace the monitoring well in conjunction with the Consent Judgment entered into by Ford and KPC with the MDEQ in Case No. 07-1427-CE. Ford/KPC shall restore grass, trees, vegetation, or other landscaping disturbed by their activities at any and all times during the term of this Agreement. The Property Owner also agrees to not tamper with the monitoring well installed on the Property.
- D. The Property Owner shall notify Ford/KPC in writing prior to any transfer of any interest in the Property and shall provide the transferee with a copy of this Agreement prior to the conveyance.
- E. This Agreement shall be construed as a covenant running with the land. It shall be recorded by Ford/KPC with the Dickinson County Register of Deeds and shall be binding on the Property Owner and any successors holding any interest in the Property.
- F. Ford/KPC shall terminate this Agreement whenever they determine that it is no longer necessary or warranted to enter the Property. Upon termination, Ford/KPC shall be responsible for proper abandonment of the monitoring well in accordance with applicable law, and to restore the surface of the Property.

IN WITNESS WHEREOF, this Agreement has been executed the day and year first above written.

PROPERTY OWNER:

Paul E. Beauchamp

Paul E. Beauchamp

Patricia J. Beauchamp

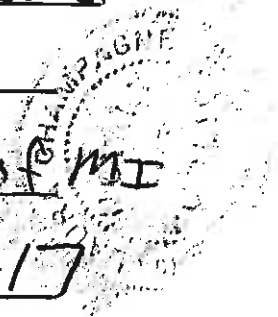
Patricia J. Beauchamp

STATE OF MI)

COUNTY OF Dickinson) SS

The foregoing instrument was acknowledged before me on this 29 day of June, 2011, by Paul E. Beauchamp.

[Signature]
Notary Public
Dickinson County, State of MI
Acting in Dickinson County
My Commission Expires: 3-22-17

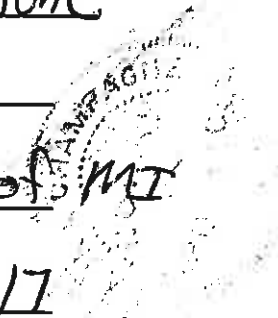


STATE OF MI)

COUNTY OF Dickinson) SS

The foregoing instrument was acknowledged before me on this 29 day of June, 2011, by Patricia J. Beauchamp.

[Signature]
Notary Public
Dickinson County, State of MI
Acting in Dickinson County
My Commission Expires: 3-22-17



FORD MOTOR COMPANY

By: *Louis J. Ghilardi*

Name: Louis J. Ghilardi

Its: Assistant Secretary

STATE OF Michigan)
) SS
COUNTY OF Wayne

The foregoing instrument was acknowledged before me on this 19th day of July, 2011, by Louis J. Ghilardi the Assistant Secretary of Ford Motor Company, on behalf of said Company.

Jessica Clark

Notary Public

Wayne County, Michigan

Acting in Wayne County

My Commission Expires: March 17, 2013



THE KINGSFORD PRODUCTS COMPANY LLC

By: [Signature]

Name: Angela C. Hilt

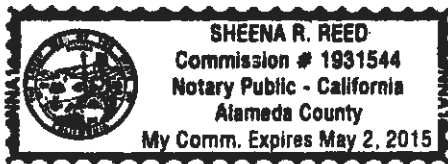
Its: Vice President-Secretary

The Kingsford Products Company LLC:

State of California

County of Alameda

Subscribed and sworn to (or affirmed) before me on this 20th day of July, 2011, by Angela C. Hilt, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.



(seal)

Signature [Signature]
Sheena R. Reed
Notary Public.

Drafted by and when recorded return to:

Tammy L. Helminski
Dickinson Wright PLLC
500 Woodward Ave. Ste. 4000
Detroit, Michigan 48226

EXHIBIT A

Legal Description of Property Subject to the Access Agreement

UNIT TWELVE (12) OF RIVERDALE CONDOMINIUM, DICKINSON COUNTY CONDOMINIUM SUBDIVISION PLAN NUMBER ELEVEN (11), according to the Master Deed recorded in Liber 682 of Records, Page 131, Dickinson County Register of Deeds, and all Amendments thereto, as recorded in the Warranty Deed at Liber 683 of Records, Page 466.

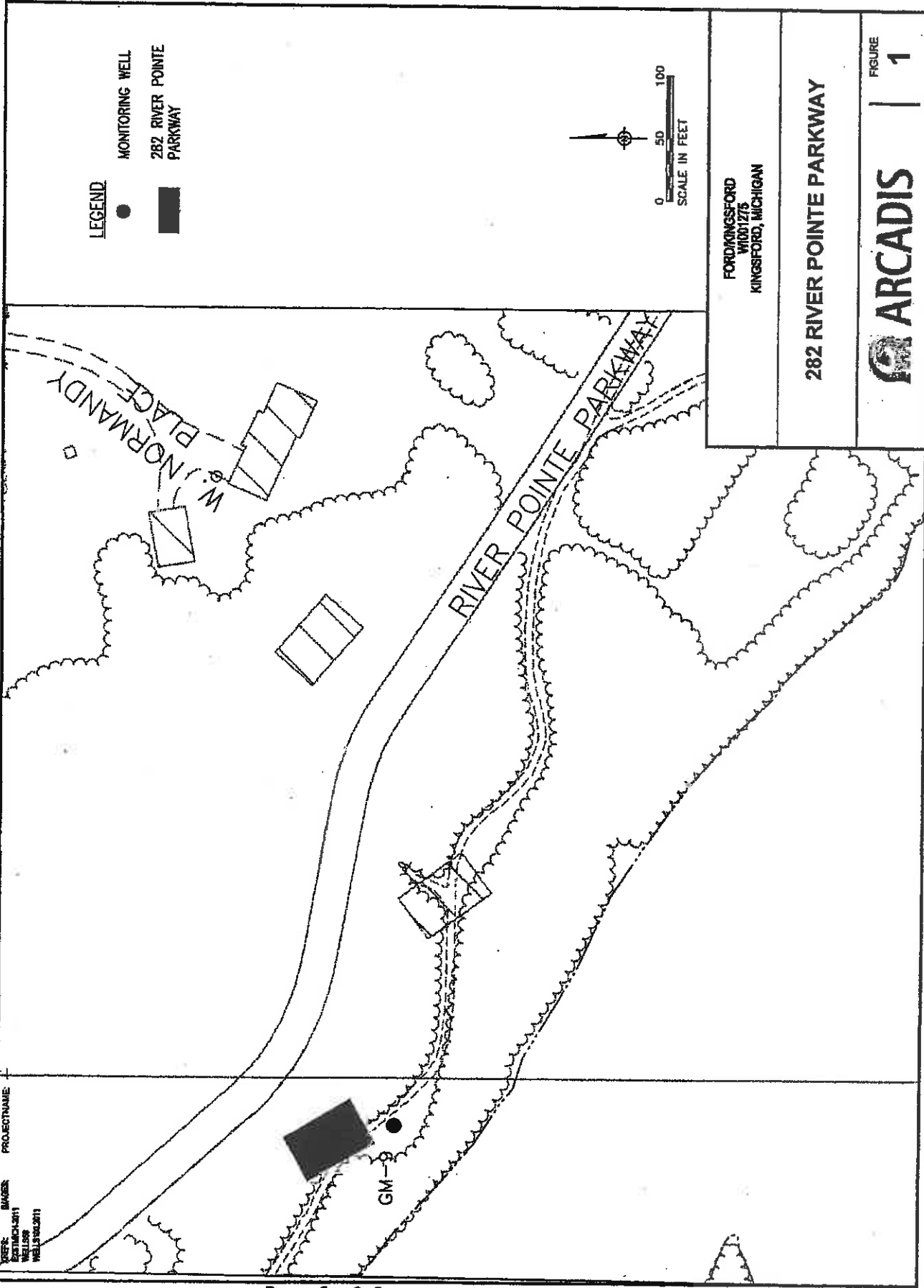
Parcel Number: 22-052-725-012-00

Commonly known as: 282 River Pointe Parkway, Kingsford, Michigan

FIGURE 1

Drawing of Property Subject to the Access Agreement

CITY OF KINGSFORD, OHIO
DIVISION OF PUBLIC UTILITIES
PROJECT: WATER MAINS REPLACEMENT
DATE: 08/03/2011
DRAWN BY: J. BROWN
CHECKED BY: J. BROWN
SCALE: AS SHOWN
PROJECT NAME: WATER MAINS REPLACEMENT
SHEET NO: 11



2011 AUG -2 PM 1:42

Access Agreement

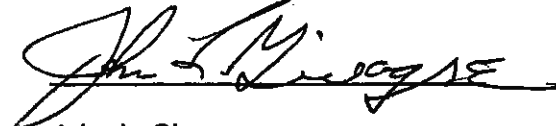
This Access Agreement ("Agreement") is entered into on this 20 day of July 2011 by and between John L. Givogre (the "Property Owner"), Ford Motor Company ("Ford") and the Kingsford Products Company, LLC ("KPC"). ** A single man*

The Property Owner and Ford/KPC agree as follows:

- A. The Property Owner is the owner of land located at 2108 West Breen Avenue, Kingsford, Dickinson County, Michigan (the "Property"). The Property Owner warrants that no other person or entity owns any interest in the Property. The legal description of the property is included as Exhibit A.
- B. In 1995 and 1996, U.S. Environmental Protection Agency installed two soil vapor probes and a soil vapor extraction well and related underground piping (collectively the "Equipment"), as shown on Figure 1. The Property Owner has allowed Ford/KPC access to the Property to use, maintain and monitor the Equipment.
- C. The Property Owner grants, for the sum of [REDACTED] to be paid by Ford/KPC to the Property Owner within 60 days of execution of this Access Agreement, to Ford/KPC, the Michigan Department of Environmental Quality ("MDEQ"), and each of their respective agents, consultants, employees and contractors, the right to continue to use the Property, at reasonable times and in a reasonable manner to access, operate, maintain, monitor, sample, remove, modify, replace or relocate the Equipment in conjunction with the Consent Judgment entered into by Ford and KPC with the MDEQ in Case No. 07-1427-CE. Ford/KPC shall restore grass, trees, vegetation, or other landscaping disturbed by their activities at any and all times during the term of this Agreement. The Property Owner also agrees to not tamper with any Equipment (including the Equipment as it may be modified or replaced) installed on the Property.
- D. The Property Owner shall notify Ford/KPC in writing prior to any transfer of any interest in the Property and shall provide the transferee with a copy of this Agreement prior to the conveyance.
- E. This Agreement shall be construed as a covenant running with the land. It shall be recorded by Ford/KPC with the Dickinson County Register of Deeds and shall be binding on the Property Owner and any successors holding any interest in the Property.
- F. Ford/KPC shall terminate this Agreement whenever they determine that it is no longer necessary or warranted to enter the Property. Upon termination, Ford/KPC shall be responsible for proper abandonment of the Equipment in accordance with applicable law, and to restore the surface of the Property.

IN WITNESS WHEREOF, this Agreement has been executed the day and year first above written.

PROPERTY OWNER:

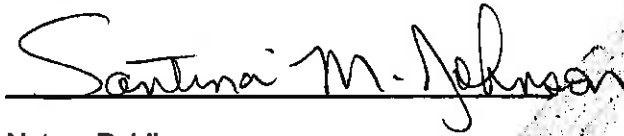

John L. Givogre

STATE OF Michigan

) SS

COUNTY OF Dickinson

The foregoing instrument was acknowledged before me on this 9 day of JUNE, 2011, by John L. Givogre.

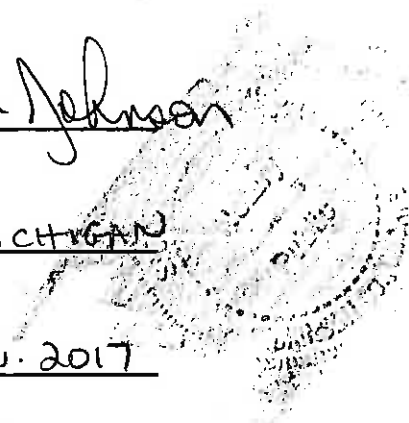


Notary Public

Dickinson County, MICHIGAN

Acting in Dickinson County

My Commission Expires: Nov. 2017



THE KINGSFORD PRODUCTS COMPANY LLC

By: [Signature]

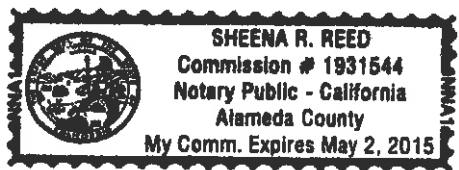
Name: Angela C. Hilt

Its: Vice President-Secretary

State of California

County of Alameda

Subscribed and sworn to (or affirmed) before me on this 20th day of July, 2011, by Angela C. Hilt, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person (x) who appeared before me.



(seal)

Signature [Signature]
Sheena R. Reed
Notary Public

Drafted by and when recorded return to:

Tammy L. Helminski
Dickinson Wright PLLC
500 Woodward Ave. Ste. 4000
Detroit, Michigan 48226

EXHIBIT A

Legal Description of Property Subject to the Access Agreement

Lot 3 in Easton Investments, Inc. Subdivision No. 1, part of Government Lot 1 and the Southwest Quarter of the Southeast Quarter, Section 2 and Government Lot 3 and the Northwest Quarter of the Northeast Quarter, Section 11, Township 39 North, Range 31 West, in the City of Kingsford, Dickinson County, Michigan, as recorded in the Warranty Deed at Liber 190 of Records, Page 405.

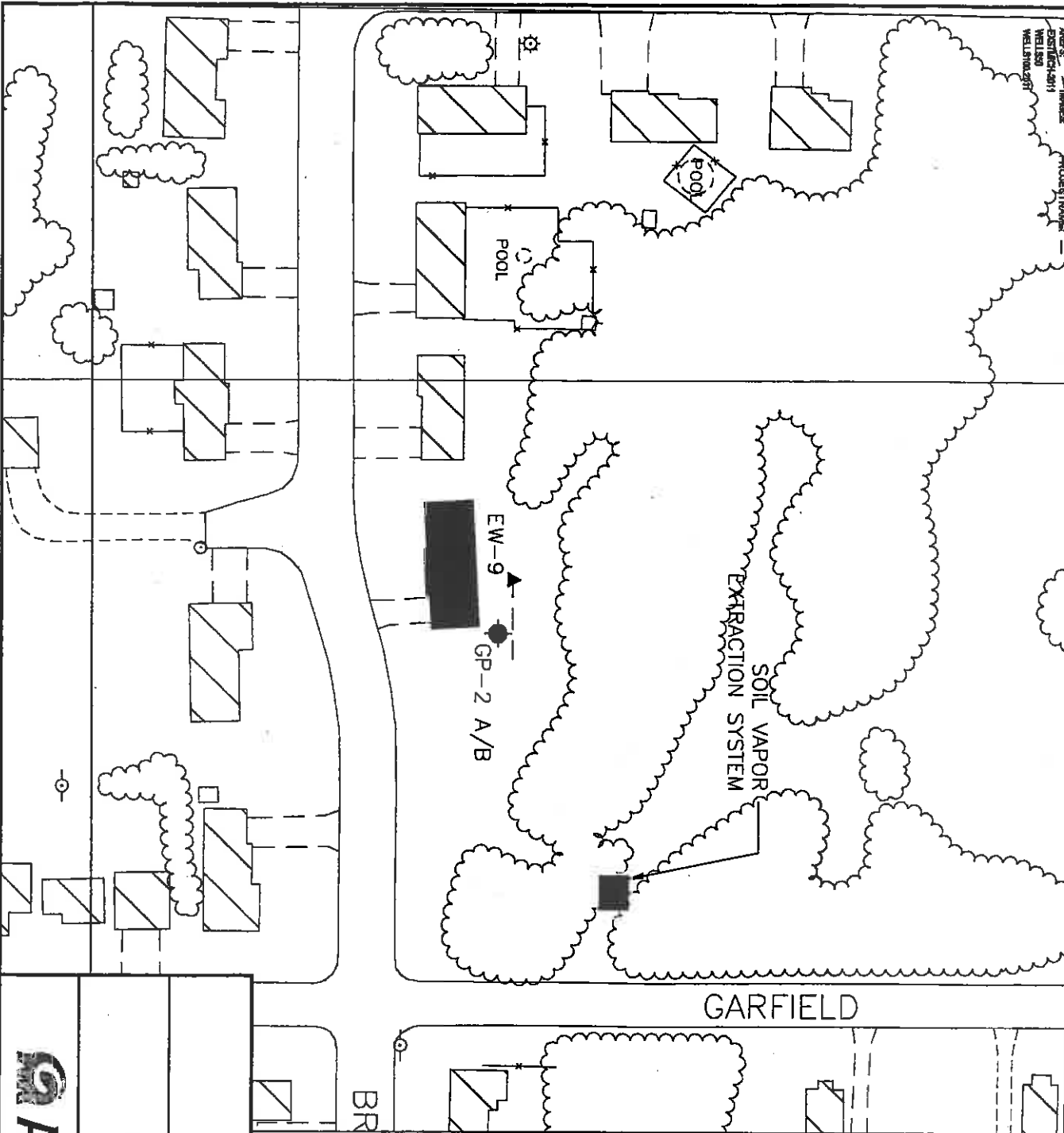
Parcel Number: 22-052-720-003-00

Commonly known as: 2108 West Breen Avenue, Kingsford, Michigan

FIGURE 1

Drawing of Property Subject to the Access Agreement

CITY OF GARFIELD ENVIRONMENTAL DEPARTMENT
 2108 W. BREEN
 KINGSFORD, MICHIGAN
 PROJECT: SOIL VAPOR EXTRACTION SYSTEM LAYOUT
 DATE: 08/03/2011
 DRAWN BY: J. ROSENBLUTH
 CHECKED BY: J. ROSENBLUTH
 PLOTTED BY: J. ROSENBLUTH
 SCALE: 1" = 50'



LEGEND

- ▲ EXTRACTION WELL
- SOIL VAPOR PROBE
- 2108 W. BREEN
- SOIL VAPOR EXTRACTION LINE



Page 8 of 8
 NMJ Date 08/03/2011
 GL 733/41
 Time 08:41:27

FORD/KINGSFORD
 W1001275
 KINGSFORD, MICHIGAN

2108 W. BREEN



FIGURE 1

2011 JUN 27 PM 1:25

Access Agreement

This Access Agreement ("Agreement") is entered into on this 24 day of June, by and between Majja Erickson Trust (the "Property Owner"), Ford Motor Company ("Ford") and the Kingsford Products Company, LLC ("KPC").

The Property Owner and Ford/KPC agree as follows:

- A. The Property Owner is the owner of land located at 381 Evergreen Court, Kingsford, Dickinson County, Michigan (the "Property"). The Property Owner warrants that no other person or entity owns any interest in the Property. The legal description of the property is included as Exhibit A.
- B. In 1997, Ford/KPC installed one monitoring well at the Property. The Property Owner has allowed Ford/KPC access to the Property to use, maintain and monitor the well. The location of the well is shown on Figure 1.
- C. The Property Owner grants, for the sum of [REDACTED] to be paid by Ford/KPC to the Property Owner within 60 days of execution of this Access Agreement, to Ford/KPC, the Michigan Department of Environmental Quality ("MDEQ"), and each of their respective agents, consultants, employees and contractors, the right to continue to use the Property, at reasonable times and in a reasonable manner to access, operate, maintain, monitor, sample, remove, modify, replace or relocate the monitoring well in conjunction with the Consent Judgment entered into by Ford and KPC with the MDEQ in Case No. 07-1427-CE. Ford/KPC shall restore grass, trees, vegetation, or other landscaping disturbed by their activities at any and all times during the term of this Agreement. The Property Owner also agrees to not tamper with the monitoring well installed on the Property.
- D. The Property Owner shall notify Ford/KPC in writing prior to any transfer of any interest in the Property and shall provide the transferee with a copy of this Agreement prior to the conveyance.
- E. This Agreement shall be construed as a covenant running with the land. It shall be recorded by Ford/KPC with the Dickinson County Register of Deeds and shall be binding on the Property Owner and any successors holding any interest in the Property.
- F. Ford/KPC shall terminate this Agreement whenever they determine that it is no longer necessary or warranted to enter the Property. Upon termination, Ford/KPC shall be responsible for proper abandonment of the monitoring well in accordance with applicable law, and to restore the surface of the Property.

IN WITNESS WHEREOF, this Agreement has been executed the day and year first above written.

Dolly Cook 8P
Dickinson County
Page 1 of 8 GL 731/173
NMC Date 06/28/2011 Time 08:10:02

THE KINGSFORD PRODUCTS COMPANY LLC

By: [Signature]

Name: Angela C. Hilt

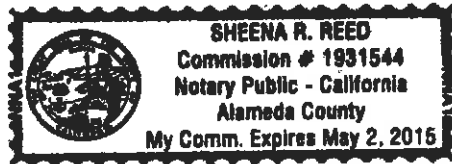
Its: Via President, - Corporate Secretary & Associate General Counsel

The Kingsford Products Company LLC:

State of California

County of Alameda

Subscribed and sworn to (or affirmed) before me on this 16th day of June, 2011, by Angela C. Hilt, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.



(seal)

Signature [Signature]
Sheena R. Reed
Notary Public

Drafted by and when recorded return to:

Tammy L. Helminski
Dickinson Wright PLLC
500 Woodward Ave. Ste. 4000
Detroit, Michigan 48226

EXHIBIT A

Legal Description of Property Subject to the Access Agreement

Part Government lot Three (3), in Section Two (2), Township Thirty-nine North (T39N), Range Thirty-one West (R31W), City of Kingsford, Dickinson County, Michigan, as recorded in the Quit Claim Deed at Liber 664 of Records, Page 255 and more particularly described as follows:

Commencing at the North Quarter corner of Section 2, T39N, R31 W; thence S 89° 33' 08" W along the north line of section 2, a distance of 1719.87 feet; thence S 00° 00' 00" E a distance of 1363.05 feet to a set capped iron pin and the POINT OF BEGINNING; thence S 38° 38' 05" E a distance of 162.69 feet to a set capped iron pin on the northwesterly right of the way of Pyle Drive; thence S 57° 34' 09" W along said right of way a distance of 212.18 feet to a set capped iron pin at the intersection with the northeasterly right of way of Evergreen Court; thence N 35° 26' 54" W along said right of way a distance of 151.26 feet to a set capped iron pin; thence N 54° 33' 06" E a distance of 202.84 feet to the POINT OF BEGINNING.

Parcel Number: 22-052-002-023-75

Commonly known as: 381 Evergreen Court, Kingsford, Michigan

FIGURE 1

Drawing of Property Subject to the Access Agreement

2011 JUN 27 PM 1:25

Access Agreement

This Access Agreement ("Agreement") is entered into on this 24 day of June, by and between Anthony D. & Denise M. Edlebeck, husband and wife (the "Property Owner"), Ford Motor Company ("Ford") and the Kingsford Products Company ("KPC").

The Property Owner and Ford/KPC agree as follows:

- A. The Property Owner is the owner of land located at 401 Grant (Lot 103), Kingsford, Dickinson County, Michigan (the "Property"). The Property Owner warrants that no other person or entity owns any interest in the Property. The legal description of the property is included as Exhibit A.
- B. In 1998, Ford/KPC installed three monitoring wells at the Property. One of the monitoring wells was later fitted with a passive vent. The Property Owner has allowed Ford/KPC access to the Property to use, maintain and monitor the passive vent, power drop and monitoring wells. The location of the wells, probe, passive vent and power drop are shown on Figure 1.
- C. The Property Owner grants for the sum of [REDACTED] to be paid by Ford/KPC to the Property Owner within 60 days of execution of this Access Agreement, to Ford/KPC, the Michigan Department of Environmental Quality ("MDEQ"), and each of their respective agents, consultants, employees and contractors, the right to continue to use the Property, at reasonable times and in a reasonable manner to access, operate, maintain, monitor, sample, remove, modify, replace or relocate the soil vapor probe, monitoring wells and passive vent and/or power drop and related equipment in conjunction with the Consent Judgment entered into by Ford and KPC with the MDEQ in Case No. 07-1427-CE. Ford/KPC shall restore grass, trees, vegetation, or other landscaping disturbed by their activities at any and all times during the term of this Agreement. The Property Owner also agrees to not tamper with any such equipment installed on the property by Ford/KPC or the MDEQ.
- D. The Property Owner shall notify Ford/KPC in writing prior to any transfer of any interest in the Property and shall provide the transferee with a copy of this Agreement prior to the conveyance.
- E. This Agreement shall be construed as a covenant running with the land. It shall be recorded by Ford/KPC with the Dickinson County Register of Deeds and shall be binding on the Property Owner and any successors holding any interest in the Property.
- F. Ford/KPC shall terminate this Agreement whenever they determine that it is no longer necessary or warranted to enter the Property. Upon termination, Ford/KPC shall be responsible for proper abandonment of the wells and any below ground pipes including removal of any equipment in accordance with applicable law, and to restore the surface of the Property.

IN WITNESS WHEREOF, this Agreement has been executed the day and year first above written.

Dolly Cook

Dickinson County

Page 1 of 8

NMC Date 06/28/2011

8P

GL 731/165

Time 08:09:56

PROPERTY OWNER:

[Signature]
Anthony D. Edlebeck

[Signature]
Denise M. Edlebeck

STATE OF MI)
) SS
COUNTY OF Dickinson

The foregoing instrument was acknowledged before me on this 24 day of JUNE, 2011, by Anthony D. Edlebeck.

[Signature]
Notary Public
DICKINSON County, MICHIGAN
Acting in DICKINSON County
My Commission Expires: 9-21-2013

STATE OF MI)
) SS
COUNTY OF DICKINSON

The foregoing instrument was acknowledged before me on this 24 day of JUNE, 2011, by Denise M. Edlebeck.

[Signature]
Notary Public
DICKINSON County, MICHIGAN
Acting in DICKINSON County
My Commission Expires: 9-21-2013

THE KINGSFORD PRODUCTS COMPANY LLC

By: [Signature]

Name: Angela C. Hilt

Its: Vice President - Corporate Secretary & Associate General Counsel

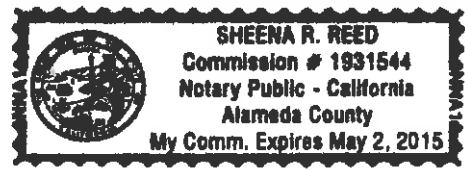
The Kingsford Products Company LLC:

State of California

County of Alameda

Subscribed and sworn to (or affirmed) before me on this 16th day of June, 2011, by Angela C. Hilt, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

(seal)



Signature [Signature]
Sheena R. Reed
Notary Public

Drafted by and when recorded return to:

✓ Tammy L. Helminski
Dickinson Wright PLLC
500 Woodward Ave. Ste. 4000
Detroit, Michigan 48226

Legal Description of Property Subject to the Access Agreement

LOT ONE HUNDRED THREE (103) IN THE PLAT OF TRAMONTINE'S SECOND ADDITION
TO THE VILLAGE (NOW CITY) OF KINGSFORD.

Parcel Number: 22-052-520-103-00

Liber and Page Number: 208/194

FIGURE 1

Drawing of Property Subject to the Access Agreement

CITY-WALWACE ENVIRONMENTAL DER. ROSENBLUM LDRM. P1004. MR. STUBENBER TOL. TRAK. LYR. DORON-OFF-REF.
E:\projects\2011\20110221\20110221.dwg

DATE: 02/28/2011

WELLS

WELLS10.2011

PROJECT NAME:

EMMET

EMMET

EMMET

EMMET

EMMET

EMMET

LEGEND

● MONITORING WELL/
PASSIVE VENT

■ 401 GRANT STREET

— SUBJECT PARCEL

Page 8 of 8
NMC Date 06/28/2011

GL 731/172
Time 08:09:56



0 50 100
SCALE IN FEET

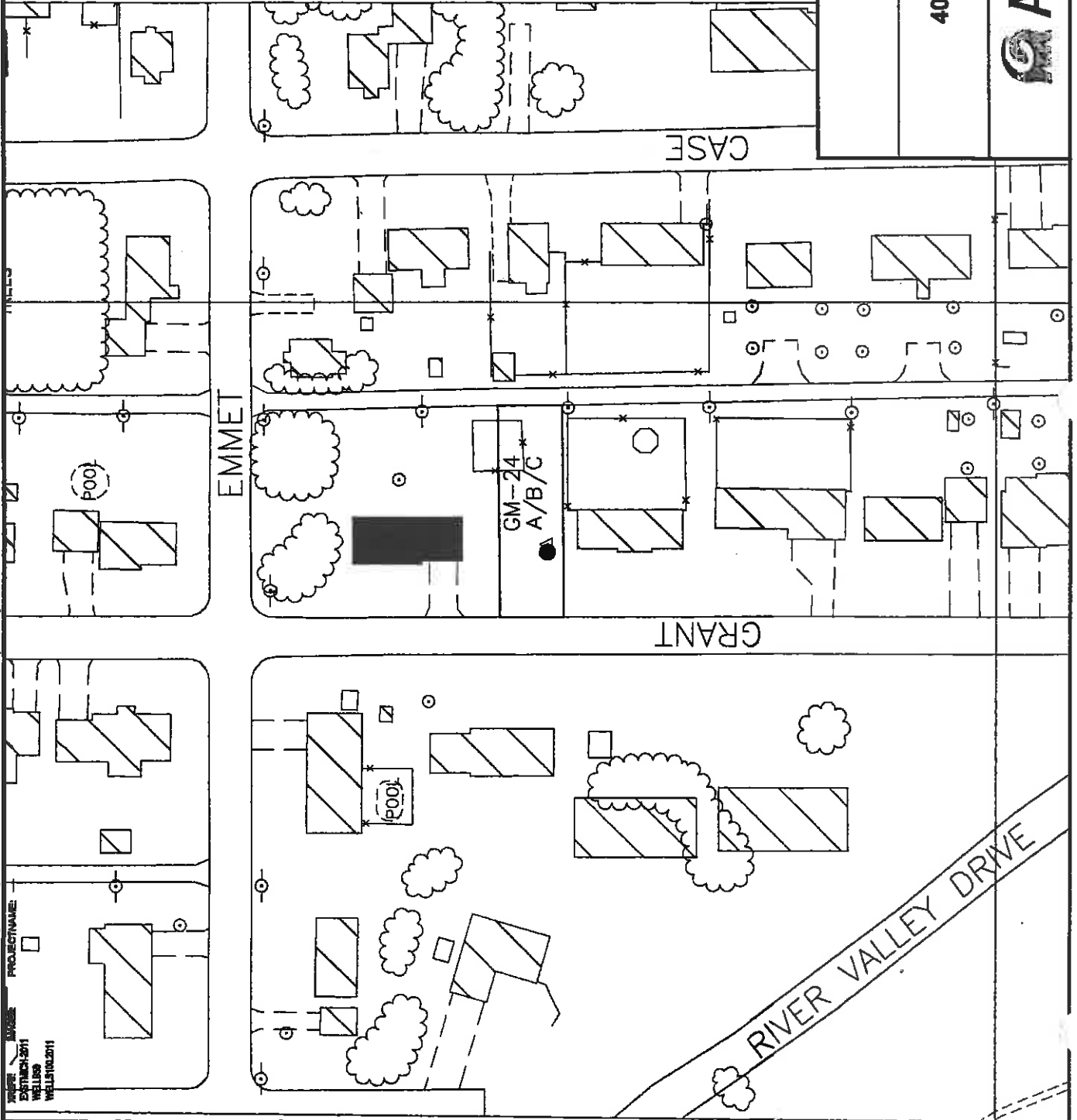
FORD/KINGSFORD
W1001275
KINGSFORD, MICHIGAN

401 GRANT STREET



ARCADIS

FIGURE
1



2011 DEC -1 AM 10:03

Access Agreement

This Access Agreement ("Agreement") is entered into on this 21st day of OCTOBER, by and between Diamondhead Manor Limited Partnership, a Michigan Limited Partnership of 677 S. Westwood, Kingsford, Michigan (the "Property Owner"), Ford Motor Company, a Delaware Corporation ("Ford"), and the Kingsford Products Company, a Delaware Corporation ("KPC").

The Property Owner and Ford/KPC agree as follows:

- A. The Property Owner is the owner of land located at 677 South Westwood Avenue, Kingsford, Dickinson County, Michigan (the "Property"). The Property Owner warrants that no other person or entity owns any interest in the Property. The legal description of the Property is included as Exhibit A.
- B. In 2004, Ford/KPC installed two passive vents and a power drop on the Property (see Figure 1). The Property Owner has allowed Ford/KPC access to the Property to maintain and monitor the passive vents and power drop.
- C. The Property Owner agrees for the sum of [REDACTED], to be paid by Ford/KPC to the Property Owner within 60 days of execution of this Access Agreement, to give Ford/KPC, the Michigan Department of Environmental Quality ("MDEQ") and each of their respective agents, consultants, employees and contractors, the right to continue to use the Property, at reasonable times and in a reasonable manner to access, operate, maintain, monitor, remove, modify, replace or relocate the passive vents and/or power drop and related equipment or to install additional equipment, including but not limited to a storage shed, extraction well and underground piping, as may be necessary or warranted to meet the requirements of the Consent Judgment entered into by Ford and KPC with the MDEQ in Case No. 07-1427-CE. The Property Owner also agrees to not tamper with any such equipment installed on the property by Ford/KPC or the MDEQ.
- D. The Property Owner shall notify Ford/KPC in writing prior to any transfer of any interest in the Property.
- E. This Agreement shall be construed as a covenant running with the land. It shall be recorded with the Dickinson County Register of Deeds and shall be binding on the Property Owner and any successors holding any interest in the Property.
- F. Ford/KPC may terminate this Agreement whenever they determine that it is no longer necessary or warranted to enter the Property. Upon termination, Ford/KPC shall be responsible for proper abandonment of below ground pipes and removal of any of its equipment on the surface of the Property in accordance with applicable law, and record a release or termination of this access agreement.
- G. Ford/KPC, severally agree to indemnify and hold Property Owner harmless from any and all claims, causes of action or judgments for any damages to the Property and or injury to any person which arises out of any act or omission of Ford and/or KPC, their agents, employees,

representatives, contractors, successors or assigns, in accessing the Property pursuant to this Agreement.

- H. The parties represent and warrant that they have completed all corporate approvals of this Agreement and that the individuals executing this Agreement are authorized to do so.
- I. The Property is secured by a mortgage held by the United States Department of Agriculture Rural Housing Services. Nothing in the mortgage precludes the execution of this Agreement by the Property Owner, however, to the extent the inclusion or implementation of any provision in this Agreement would cause a default under the mortgage, that provision shall not apply or shall not be implemented to the extent necessary to prevent such a default.

IN WITNESS WHEREOF, this Agreement has been executed the day and year first above written.

**PROPERTY OWNER: DIAMONDHEAD MANOR LIMITED PARTNERSHIP
a Michigan Limited Partnership**

By: RJP Investment LLC,
a Michigan Limited Liability Contractor,
General Partner

By: [Signature]
(Signature)

Name: Ronald J. Potterpin
Member, RJP Investment LLC

STATE OF _____)

) SS

COUNTY OF _____)

The foregoing instrument was acknowledged before me on this 21st day of OCTOBER, 2011, by Ronald J. Potterpin, the General Partner of Diamondhead Manor Limited Partnership, on behalf of said Company.

Kathleen McCarthy

Notary Public

Eaton County, Michigan

Acting in Ontonagon County

My Commission Expires: 11/19/2012

KATHLEEN MCCARTHY
Notary Public, State of Michigan
County of Eaton
My Commission Expires Nov. 19, 2012
Acting in the County of Eaton

THE KINGSFORD PRODUCTS COMPANY LLC

By: [Signature]

Name: Angela C. Hill

Its: Vice President / Corporate Secretary

The Kingsford Products Company LLC:

State of California

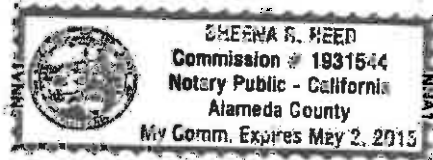
County of _____

Subscribed and sworn to (or affirmed) before me on this ____ day of _____, 20____, by _____, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

(seal)

Signature _____

State of California, County of Alameda
Subscribed and sworn to (or affirmed) before me on this 28th day of October, 2011, by Angela C. Hill proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.
Signature: [Signature]
Notary



Drafted by and when recorded return to:

Sharon R. Newlon
Dickinson Wright PLLC
500 Woodward Ave. Ste. 4000
Detroit, Michigan 48226

EXHIBIT A

Legal Description of Property Subject to the Access Agreement

Parcel Number: 22052-002-009-30

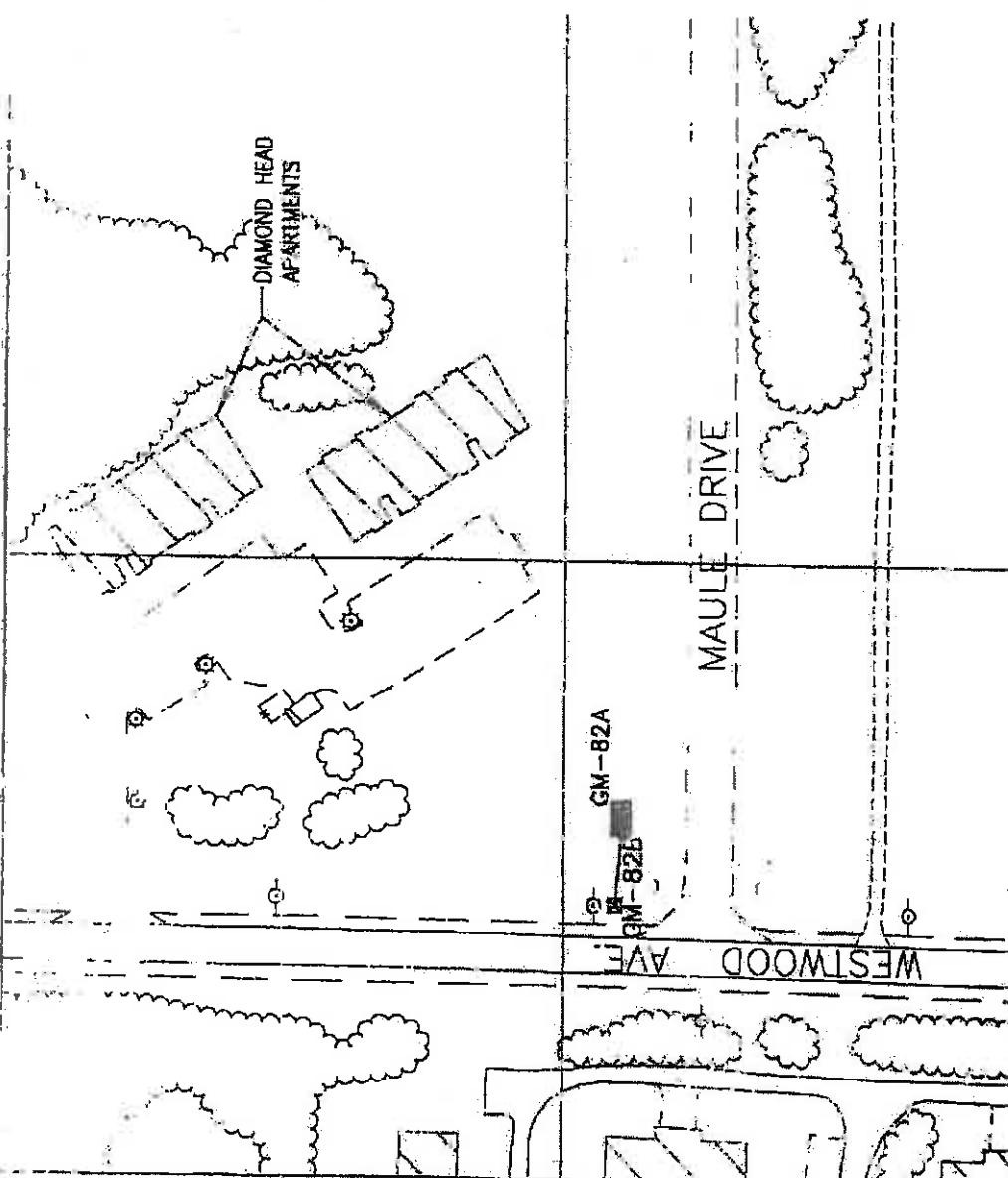
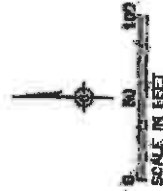
K-2 103C 24B SEC 2 T39N R31W PT OF SW 1/4 OF NE 1/4 DESC AS FOLL: ASSUMING TH N&S 1/4 LINE SEC 2 HAS A BEARING OF S 0 DEG 46' 15" E AND BEG AT A PT 2120.64' S AND 42.46' E OF N 1/4 COR, TH N 89 DEG 29' 40" E 418', TH 2 00DEG 00' 40" W 418', TH S 89 DEG 29' 40" W 418' TO E ROW WESTWOOD AVE, TH N 00 DEG 00' 40" E ALG ROW 418' TO POB. CONTAINS 4.A.

Commonly known as: 677 South Westwood Avenue, Kingsford, Dickinson County, Michigan.

FIGURE 1

Drawing of Property Subject to the Access Agreement

- LEGEND**
- MONITORING WELL
 - POWER PEDESTAL
 - BURIED ELECTRIC LINE
 - PASSIVE VENT



Project Number: WRC01250
 Drawing Date: 12/06
 Title: 1

FORD / KINGSFORD
 GM-82A/GM-82B PASSIVE VENTS
 KINGSFORD, MICHIGAN

ARCADIS
 125 North Jefferson Street, Suite 100
 Ann Arbor, Michigan 48106
 Tel: 734-775-7700 Fax: 734-775-7800
 www.arcadis-usa.com

Project Manager: M. MAERLE
 Project Engineer: R. STUBENACKER
 Title Designer: J. COSTA
 Title Checker: M. HULL

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NOTICE OF REAL ESTATE AND ACCESS AGREEMENT

Pursuant to the Marketable Record Title Act, MCL 565.101 *et seq.*, Ford Motor Company ("Ford") and The Kingsford Products Company LLC ("KPC") are hereby setting forth notice that they entered into a Settlement Agreement with Douglas Caudell, individually, and as resident agent for Superior Land Fastening Systems, Inc. and Caudell Development, L.L.C. (collectively, "Claimants"), on July 24, 2006 ("Agreement"), for property located in the City of Kingsford, County of Dickinson, State of Michigan, which is more particularly described as property located at 421 Knudsen Drive, Kingsford, Michigan (the "Property").

Pursuant to the Agreement, Claimants have agreed to grant access to the Property to Ford, KPC, and their agents, consultants, successors, parents, affiliates, assigns and designees for the purpose of implementing response activities or remedies for the Property. Claimants have also agreed to grant access to the Michigan Department of Environmental Quality ("MDEQ") to fulfill response actions required under a Consent Judgment dated October 26, 2004. In exchange for access, Ford and KPC will guarantee the value of this Property to the current owner at the time of sale.

IN WITNESS WHEREOF, the Parties have caused this Notice of Claim of Interest in Land to be executed on this 24th day of July, 2006.

The Kingsford Products Company
a Delaware corporation

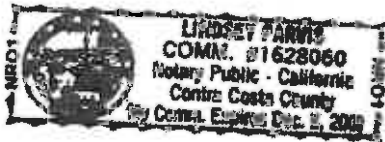
By: [Signature]
Name: Angela C. Hill

Its: VP President - Secretary

ACKNOWLEDGMENT

STATE OF California)
COUNTY OF Alameda) SS.

The foregoing instrument was acknowledged before me this 24th day of July, 2006, by Angela C. Hill, the VP Secretary of The Kingsford Products Company, on its behalf.



Lindsey Parviz
Notary Public, Lindsey Parviz
County of Contra Costa
State of California
My commission expires: 12/2/09

Ford Motor Company
a Delaware corporation

By: _____
Name: _____

Its: _____

NOTICE OF REAL ESTATE AND ACCESS AGREEMENT

Pursuant to the Marketable Record Title Act, MCL 566.101 et seq., Ford Motor Company ("Ford") and The Kingsford Products Company LLC ("KPC") are hereby setting forth notice that they entered into a Settlement Agreement with Douglass Caudell, individually, and as resident agent for Superior Land Fastening Systems, Inc. and Caudell Development, L.L.C. (collectively, "Claimants"), on July 24, 2006 ("Agreement"), for property located in the City of Kingsford, County of Dickinson, State of Michigan, which is more particularly described as property located at ~~1566 Pyle Drive~~, Kingsford, Michigan (the "Property").
421 Knudsen

Pursuant to the Agreement, Claimants have agreed to grant access to the Property to Ford, KPC, and their agents, consultants, successors, parents, affiliates, assigns and designees for the purpose of implementing response activities or remedies for the Property. Claimants have also agreed to grant access to the Michigan Department of Environmental Quality ("MDEQ") to fulfill response actions required under a Consent Judgment dated October 26, 2004. In exchange for access, Ford and KPC will guarantee the value of this Property to the current owner at the time of sale.

IN WITNESS WHEREOF, the Parties have caused this Notice of Claim of Interest in Land to be executed on this ___ day of _____, 2006.

The Kingsford Products Company
a Delaware corporation

By: _____
Name: _____

Its: _____

ACKNOWLEDGMENT

STATE OF _____)
COUNTY OF _____) SS.

The foregoing instrument was acknowledged before me this ___ day of _____, 2006, by _____ the _____ of The Kingsford Products Company, on its behalf.

Notary Public, _____
County of _____
State of _____
My commission expires: _____

Ford Motor Company
a Delaware corporation

By: 
Name: Kathryn S. Lamping
Assistant Secretary

Its: _____

NOTICE OF REAL ESTATE AND ACCESS AGREEMENT

Pursuant to the Marketable Record Title Act, MCL 565.101 et seq., Ford Motor Company ("Ford") and The Kingsford Products Company LLC ("KPC") are hereby setting forth notice that they entered into a Settlement Agreement with Mark and Cindy Spencer, individually and as Trustees for the Spencer Living Trust and Universal Plumbing (collectively, "Claimants"), on July 24, 2006 ("Agreement"), for property located in the City of Kingsford, County of Dickinson, State of Michigan, which is more particularly described as property located at 1565 Pyle Drive, Kingsford, Michigan (the "Property").

Pursuant to the Agreement, Claimants have agreed to grant access to the Property to Ford, KPC, and their agents, consultants, successors, parents, affiliates, assigns and designees for the purpose of implementing response activities or remedies for the Property. Claimants have also agreed to grant access to the Michigan Department of Environmental Quality ("MDEQ") to fulfill response actions required under a Consent Judgment dated October 26, 2004. In exchange for access, Ford and KPC will guarantee the value of this Property to the current owner at the time of sale.

IN WITNESS WHEREOF, the Parties have caused this Notice of Claim of Interest in Land to be executed on this ___ day of _____, 2006.

The Kingsford Products Company
a Delaware corporation

By: _____
Name: _____

Its: _____

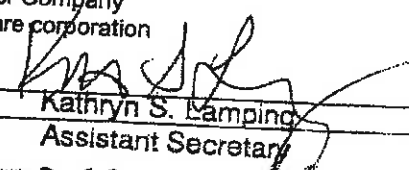
ACKNOWLEDGMENT

STATE OF _____)
COUNTY OF _____) SS.

The foregoing instrument was acknowledged before me this ___ day of _____, 2006, by _____ the _____ of The Kingsford Products Company, on its behalf.

Notary Public, _____
County of _____
State of _____
My commission expires: _____

Ford Motor Company
a Delaware corporation

By: 
Name: Kathryn S. Lamping
Assistant Secretary

Its: _____

ACKNOWLEDGMENT

STATE OF Michigan)
) SS.
COUNTY OF Wayne)

The foregoing instrument was acknowledged before me this 18th day of July, 2006, by Kathleen Kampinos, the Asst. Secy. of Ford Motor Company, on its behalf.

Notary Public, Sylvia J. Adler
County of Wayne
State of Michigan
My commission expires: 10/29/2008

Prepared By +
When recorded return to:
✓ Tammy L. Helminski
Dickinson Wright PLLC
500 Woodward Avenue, Suite 5000
Detroit, Michigan 48226-3425

SYLVIA J. ADLER
Notary Public, Wayne County, Michigan
My Commission Expires 10/29/08

**BUTCH, QUINN, ROSEMURGY, JARDIS,
BUSH, BURKHART & STROM, P.C.**

ATTORNEYS AT LAW

THOMAS L. BUTCH
MICHAEL B. QUINN *
ROBERT S. ROSEMURGY *
TERRILL S. JARDIS *
ALLEN E. BUSH *
TERRY F. BURKHART *
PETER W. STROM
PAUL L. STROM *
STEVEN C. PARKS *
JAMES E. SODERBERG *
JOHN A. LEWANDOWSKI
JOYCEAN A. MILLER

LOCATION:
816 LUDINGTON STREET
ESCANABA, MI 49829-3890

MAILING ADDRESS:
P.O. BOX 888
ESCANABA, MI 49829-0888

(906) 786-4422
FAX: (906) 786-5128

FILE COPY

06 001

051597 01

TORVAL E. STROM
1885-1948
WHEATON L. STROM
1914-1974

ADDITIONAL OFFICES:
GLADSTONE, MI
MARQUETTE, MI
IRON MOUNTAIN, MI

e-mail:
BQLaw@uplogon.com

PLEASE REFER TO
OUR FILE NO.

960990

*Also licensed to practice in
Wisconsin

May 15, 1997

Ms. Linda McAlpine
Attorney at Law
DICKINSON, WRIGHT, MOON,
VAN DUSEN & FREEMAN
525 North Woodward Avenue
P.O. Box 509
Bloomfield Hills, MI 48303-0509

Mr. Warren J. Krauss
Attorney at Law
SEDGWICK, DETERT, MORAN
& ARNOLD
16th Floor
One Embarcadero Center
San Francisco, CA 94111-3765

RE: License to Geraghty & Miller, Inc.

Dear Ms. McAlpine and Mr. Krauss:

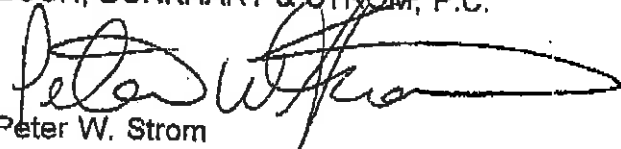
Enclosed please find the signed GRANT OF LICENSE effective April 22, 1997.

I have requested from Mr. Padovani a copy of the consent order. Also, please instruct Geraghty & Miller to provide the City of Kingsford (Darryl Wickman) with copies of all written progress reports provided to the USEPA as required by §3.4 of the License.

If you have any questions, please call. Thank you very much.

Very truly yours,

BUTCH, QUINN, ROSEMURGY, JARDIS,
BUSH, BURKHART & STROM, P.C.


Peter W. Strom
Attorney at Law

PWS/mjo
Encl.

cc (w/encl):
Mr. Steve Padovani
Mr. Thomas Kruger

960990L440/mjo/5/97

960990

GRANT OF LICENSE**ORIGINAL****§1. RECITALS:**

The City of Kingsford, Michigan, has, in cooperation with the United States Environmental Protection Agency (USEPA), the United States Geological Survey (USGS), and the Michigan Department of Environmental Quality (MDEQ) provided access to City-owned property. The City of Kingsford has also provided assistance to these agencies in their response actions regarding Easton Estates methane.

Geraghty & Miller, Inc., on behalf of Ford Motor Company and Kingsford Products Company wishes to conduct additional response activities and has requested the City of Kingsford to permit access to property owned by the City.

The City of Kingsford wishes to cooperate and permit such access with the expectation that consideration will be given to the City under Section 122(g)(1)(B) of CERCLA, by USEPA.

§2. LICENSE:

The City of Kingsford, subject to the conditions set forth in §3, hereby grants Geraghty & Miller, Inc. and its contractors, acting on behalf of Ford Motor Company and Kingsford Products Company, license to access property owned by the City of Kingsford for the following purposes:

§2.1: Establishing and maintaining a field trailer site with nearby temporary soil cutting and/or ground water storage at the address of ~~232 Garfield Street~~

§2.2: Conducting monitoring and sampling activity that has been required by or approved by the USEPA, USGS, or MDEQ, including but not limited to ground water monitoring wells and Geo probe borings.

§2.3: Entering property owned by the City of Kingsford at reasonable times and in reasonable manners to measure water levels or take samples from monitoring wells or to service, maintain, and remove such wells.

§2.4: Providing appropriate site security measures.

§2.5: Performing other actions to investigate contamination on the property that USEPA, USGS, or MDEQ may determine to be necessary.

§2.6: Taking any response action to address any release or threatened release of a hazardous substance, pollutant or contaminant which USEPA, USGS, or MDEQ determines may pose an imminent and substantial endangerment to the public health or the environment.

Grant of LicenseGeraghty & Miller and City of Kingsford**§3. CONDITIONS:**

§3.1: Geraghty & Miller, Inc. or its contractors shall consult with and reach agreement with the Kingsford City Manager (Darryl K. Wickman) prior to beginning any response activity on City owned property. The purpose of such consultation shall be to fully disclose the activities to be undertaken and to verify the location and ownership of the real estate being used.

§3.2: Geraghty & Miller, Inc. on behalf of Ford Motor Company and Kingsford Products Company shall be responsible for its work and the work of its contractors and shall organize and perform the work so as to protect the property from damage caused by any activity involved in the performance of the work. Geraghty & Miller, Inc. and its contractors shall take reasonable actions to identify the location of above ground and underground utilities, including water, sewer, gas, and electric utilities and shall comply with all MISS DIG procedures. Geraghty & Miller, Inc. shall take reasonable actions to ensure that utility service is not interrupted as a result of the performance of the work. Geraghty & Miller, Inc. and its contractors shall also take reasonable actions to minimize interference with access to, or use or operation of, the property or any structures or facilities thereon, by the City of Kingsford or others there with the City's permission. Geraghty & Miller, Inc. and its contractors shall coordinate with the City of Kingsford their activities on the property so as not to unreasonably interfere with the City of Kingsford's use and operation of its property. Geraghty & Miller, Inc. and its contractors shall notify the City of Kingsford, in advance, by no less than one week's notice, of scheduled work on the property.

§3.3: Geraghty & Miller, Inc. and its contractors shall comply with all state and federal laws and regulations regarding their work. Soil borings will be completed and abandoned in accordance with the applicable State of Michigan drilling and abandonment codes. Monitoring wells will be installed, maintained, safeguarded and abandoned in accordance with applicable State of Michigan well construction codes. When no longer needed, Ford and Kingsford Products Companies will seal and abandon the wells and borings in a timely manner and in accordance with applicable laws and regulations. All costs and liabilities associated with the installation, maintenance and abandonment and safeguarding of the monitoring wells and borings holes will be paid and borne by Geraghty & Miller, Inc., its contractors, or its principals.

§3.4: Geraghty & Miller, Inc., its contractors and principals, shall provide the City of Kingsford with copies of all written progress reports provided to USEPA at the same time such reports are provided to the USEPA. These reports shall describe all significant developments, including the work performed and any problems encountered, analytical data received, and developments anticipated, including a schedule of work to be performed, anticipated problems, and planned resolutions of past or anticipated problems.

Grant of License

Geraghty & Miller and City of Kingsford

§3.5: Geraghty & Miller, Inc., its contractors and principals shall cooperate with USEPA, USGS, MDEQ, and the City of Kingsford to inform other affected property owners and, if necessary, the general public, regarding the work involved.

§4. REVOCABILITY:

This license is revocable in part and in full at the will of the City of Kingsford, and may be revoked if the conditions set forth in §3 are not fulfilled. Nothing set forth in this GRANT OF LICENSE shall create a permanent interest in the real estate owned by the City.

CITY OF KINGSFORD

Dated: Effective as of April 22, 1997

By: *Darryl K. Wickman*
Darryl K. Wickman
Its Manager

900990A.17mjs.197

**AGREEMENT FOR SOIL BORING AND VAPOR MONITORING POINT
INSTALLATION AND ACCESS**

Property Address: ALL BREITUNG TOWNSHIP SOUTH OF HOADLEY AND WEST
OF CARPENTER AVE (M-95)

As owner of the above-referenced property, DICKINSON COUNTY ROAD COMM hereby grants ARCADIS Geraghty & Miller, its contractor(s), agents, employees and/or representatives of USEPA and the Michigan Department of Environmental Quality (MDEQ), the right to enter the referenced property on behalf of Ford Motor Company (Ford) and The Kingsford Products Company, for the purpose of performing drilling activities and/or installing and sampling soil borings and/or vapor monitoring points. ARCADIS Geraghty & Miller or its contractor(s) shall consult and reach an agreement with representatives from the property owner prior to installing the soil borings or vapor monitoring points.

Soil borings and/or vapor monitoring points will be completed and installed in accordance with applicable State of Michigan drilling and abandonment codes. All cost associated with the installation and abandonment of soil borings and vapor monitoring points will be paid by ARCADIS Geraghty & Miller or its contractor(s).

ARCADIS Geraghty & Miller and its contractor(s) shall have the right to enter the property identified above at reasonable times and in a reasonable manner on behalf of Ford and The Kingsford Products Company for the purpose of measuring vapor concentrations from the vapor monitoring points.

Vapor monitoring points will be allowed to remain in place under the supervision of Ford and The Kingsford Products Company for as long as deemed necessary by the USEPA or other federal, state, or local authorities. When no longer needed, Ford and The Kingsford Products Company will seal and abandon the points in a timely manner and in accordance with applicable laws and regulations. All above-grade well materials, i.e., protective casing, shall then be removed.

ARCADIS Geraghty & Miller, Inc.

By: [Signature] 10/7/98
Date
Title: Staff Scientist/Field Coordinator

Property Owner

By: [Signature] 10/7/98
Date
Title: COUNTY HIGHWAY ENG

Michigan Department
Of Transportation
2205 (06/04)

INDIVIDUAL APPLICATION AND PERMIT FOR USE OF STATE TRUNKLINE RIGHT OF WAY

Information required by Act 368 of P.A. 1925, Act 200 of P.A. 1969 and Act 51 of P.A. 1951 to authorize permitted activities.

MDOT Forms at: <http://www.mdot.state.mi.us/webforms>

This permit is incomplete without "General Conditions and Supplemental Specifications."

PRINT IN INK OR TYPE

MDOT USE ONLY	
PERMIT NO. 22011-019-04-0090CF	
ISSUE DATE 8-17-04	EXPIRATION DATE 8-1-07
FEE \$ 500.00	<input checked="" type="checkbox"/> Cash BY <input type="checkbox"/> Exempt <input type="checkbox"/> Billable
DEPT. BOND NO. \$44,779.00	BOND AMOUNT \$5,000.00

APPLICANT NAME (Property, Facility, Owner) ARCADIS G & M, INC.			CONTRACTOR NAME (Individual, Company, etc.)		
MAILING ADDRESS 1500 CARTER DRIVE			MAILING ADDRESS		
CITY KINGSFORD	STATE MI	ZIP CODE 49802	CITY	STATE	ZIP CODE
CONTACT'S NAME DENNIS CHARETTE		PHONE NO. (906) 776-0853	CONTACT'S NAME		PHONE NO.

REQUEST: I do hereby make application for a permit to use the right of way of the following state trunkline highway.

STATE TRUNKLINE M-95	CITY OR TOWNSHIP BREITUNG TWP.	SECTION 12	TOWN T 39	RANGE R 31	COUNTY DICKINSON
NEAREST CROSSROAD HOADLEY STREET	SIDE OF ROAD EAST	DISTANCE TO NEAREST CROSSROAD (in feet) Across From Approach	DIRECTION TO NEAREST CROSSROAD <input type="checkbox"/> NORTH <input type="checkbox"/> SOUTH <input type="checkbox"/> EAST <input checked="" type="checkbox"/> WEST		
PROPOSED START DATE AUGUST 1, 2004	PROPOSED COMPLETION DATE AUGUST 1, 2007	PLANS ATTACHED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			

PURPOSE
SOIL BORING, EXCAVATION WORK ALONG THE ABANDONED M-95 HIGHWAY ALIGNMENT WITHIN BREITUNG TOWNSHIP WITH THE POTENTIAL FOR MONITORING WELL INSTALLATION (BASED UPON INVESTIGATIVE RESULTS); TWO LOCATIONS PROPOSED PER THIS REQUEST.

REQUISITION NO.	WORK ORDER NO.	JOB NO.
-----------------	----------------	---------

I certify that I accept the following:

- All permit and application fees are NONREFUNDABLE, based on Act No. 561, of Public Acts 2002.
- Commencement of work set forth in the permit application constitutes acceptance of the permit as issued.
- Failure to object within ten (10) days to the permit as issued constitutes acceptance of the permit as issued.
- If this permit is accepted by either of the above methods, I will comply with the provisions of the permit.
- If this permit is for commercial or residential driveway work, I certify that I am the legal owner of the property for which this driveway will serve, or I am the owner's authorized representative.

APPLICANT/AUTHORIZED AGENT	NAME and TITLE (Please Print or Type) RICHARD L. STUDEBAKER, JR. ENGINEER	DATE 8/31/04
If Authorized Agent - I hereby certify that I am acting as an authorized agent on behalf of the named applicant. Certificate of agency attached.	SIGNATURE <i>[Signature]</i>	FEDERAL TAX I.D. / SOCIAL SECURITY NO. 57-0373224

MDOT USE ONLY - DO NOT WRITE BELOW THIS LINE

CONTROL SECTION	TRUNKLINE	WORK TYPE CODE	ECC*	WORK METHOD	MILEPOINT FROM	MILEPOINT TO	LOCATION
22011	M-95	48 & 99	C.9		0.25 AND	0.38	<input type="checkbox"/> L <input type="checkbox"/> M <input checked="" type="checkbox"/> R <input type="checkbox"/> T
							<input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> R <input type="checkbox"/> T

ENVIRONMENTAL ASSESSMENT

CATEGORICAL EXCLUSION OTHER - Describe (See form 2242):

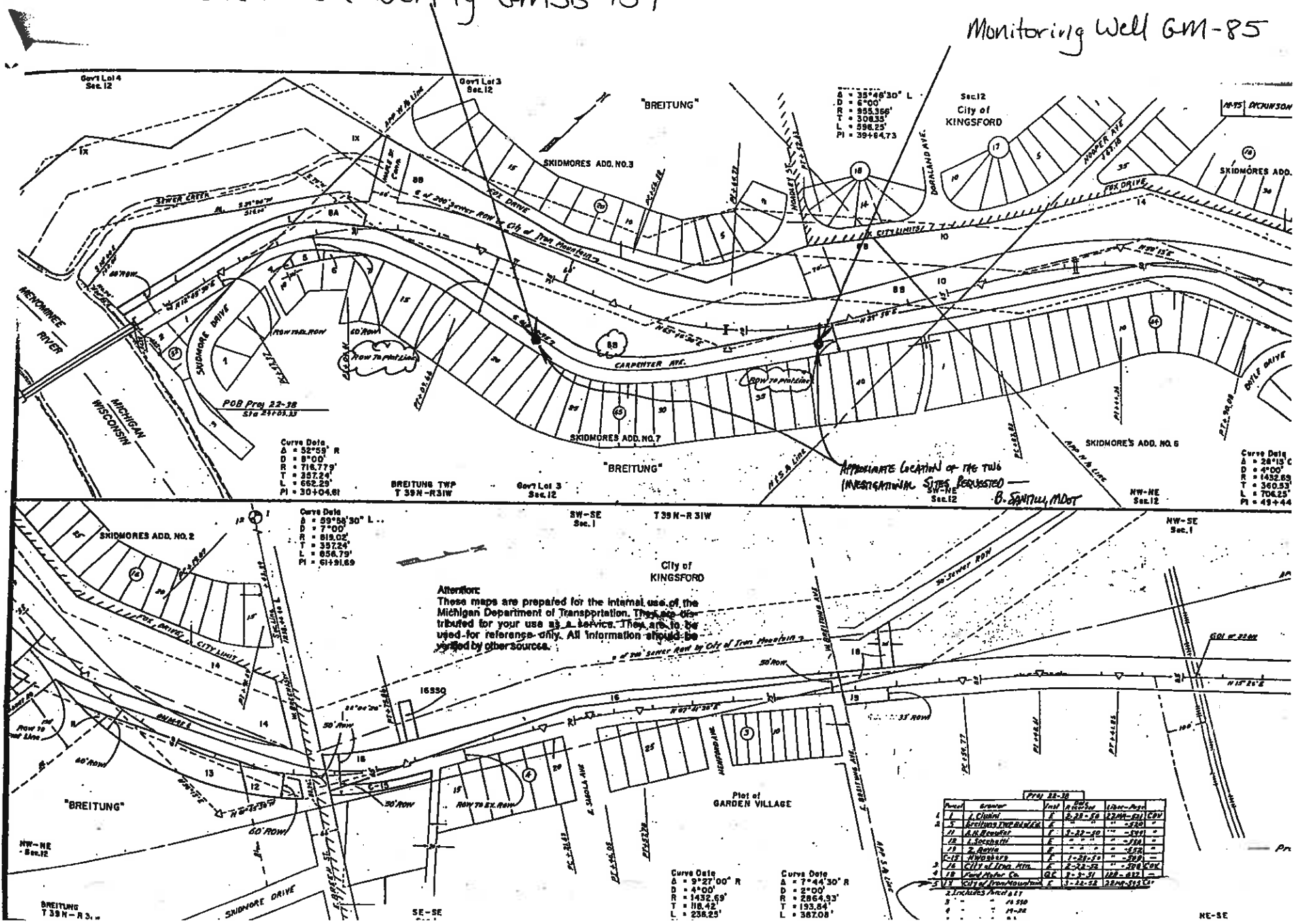
INSPECTION TYPE <input checked="" type="checkbox"/> DEPARTMENT <input type="checkbox"/> MAINT. AGENCY	INSPECTION BY:	PHONE NO.	INSPECTION STATUS <input checked="" type="checkbox"/> ROUTINE <input type="checkbox"/> BILLABLE
SURETY TYPE <input type="checkbox"/> EXEMPT <input type="checkbox"/> CASH <input type="checkbox"/> RESOLUTION	<input checked="" type="checkbox"/> BOND <input type="checkbox"/> CREDIT LETTER <input type="checkbox"/> SELF-INSURED <input type="checkbox"/> RETAINER LETTER	LIABILITY INSURANCE <input type="checkbox"/> SELF-INSURED <input checked="" type="checkbox"/> REQUIRED <input type="checkbox"/> EXEMPT	

REVIEWED BY:	INT.	DATE	RECOMMENDED FOR ISSUANCE		
Constr. & Techno.			NAME Bill Jorjick	TITLE Permit Agent	DATE 8-17-04
Maintenance			APPROVED FOR MICHIGAN DEPARTMENT OF TRANSPORTATION BY		
Traffic & Safety			UTILITIES PERMITS ENGINEER or REGION / TSC U.P. ENGINEER		
Resource Specialist			DATE 8-24-04		
Design			WORK ACCEPTED BY (Signature) <i>[Signature]</i>		
Maint. Agency			DATE		
Permits			DATE		

* ENVIRONMENTAL CLASSIFICATION CODE

Abandoned Soil Boring GMSB-134

Monitoring Well GM-85



Curve Data
 $\Delta = 35^{\circ}48'30''$ L
 $D = 2^{\circ}00'$
 $R = 855.366'$
 $T = 308.35'$
 $L = 398.25'$
 $PI = 39+64.73$

Curve Data
 $\Delta = 52^{\circ}59'$ R
 $D = 8^{\circ}00'$
 $R = 716.779'$
 $T = 357.24'$
 $L = 662.25'$
 $PI = 30+04.61$

Curve Data
 $\Delta = 59^{\circ}58'30''$ L ...
 $D = 7^{\circ}00'$
 $R = 815.02'$
 $T = 397.24'$
 $L = 856.75'$
 $PI = 61+91.69$

Curve Data
 $\Delta = 28^{\circ}13'$ C
 $D = 4^{\circ}00'$
 $R = 1432.69'$
 $T = 360.53'$
 $L = 706.25'$
 $PI = 49+44$

Attention:
 These maps are prepared for the internal use of the Michigan Department of Transportation. They are distributed for your use as a service. They are to be used for reference only. All information should be verified by other sources.

References

Parcel	Owner	Plan	Year	Notes
1	L. Cleaver	18-22-50	1924	CON
2	REYNOLDS ENGINEERING	18-22-50	1924	CON
3	A.A. Boudreau	18-22-50	1924	
4	L. Boudreau	18-22-50	1924	
5	L. Boudreau	18-22-50	1924	
6	L. Boudreau	18-22-50	1924	
7	L. Boudreau	18-22-50	1924	
8	CITY of Iron Mt.	18-22-50	1924	
9	CITY of Iron Mt.	18-22-50	1924	
10	Plot of Garden Village	18-22-50	1924	
11	Plot of Garden Village	18-22-50	1924	
12	Plot of Garden Village	18-22-50	1924	
13	Plot of Garden Village	18-22-50	1924	
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96	Plot of Garden Village	18-22-50	1924	
97	Plot of Garden Village	18-22-50	1924	
98	Plot of Garden Village	18-22-50	1924	
99	Plot of Garden Village	18-22-50	1924	
100	Plot of Garden Village	18-22-50	1924	

Curve Data
 $\Delta = 9^{\circ}27'00''$ R
 $D = 4^{\circ}00'$
 $R = 1432.69'$
 $T = 118.42'$
 $L = 238.25'$

Curve Data
 $\Delta = 7^{\circ}44'30''$ R
 $D = 2^{\circ}00'$
 $R = 2864.93'$
 $T = 193.84'$
 $L = 387.08'$

City of Iron Mountain

501 S. Stephenson Avenue
Iron Mountain, Michigan 49801
Telephone 906-774-8530
FAX 906-774-3774


July 26, 2004

To Whom It May Concern:

Please consider this correspondence as an official statement from the City of Iron Mountain as having no objections to Arcadis, Inc. drilling test borings in the old highway, east of M 95, north of the Aurora Bridge.

Should anyone have any questions, please feel free to contact Iron Mountain City Manager, John Marquart, 501 S. Stephenson Ave., Iron Mountain, MI 49801 or 906 774-8530.

Sincerely,


John Marquart
City Manager

AUTHORIZATION STATEMENT

PURCHASE, EASEMENT AND ACCESS AGREEMENT

THIS AGREEMENT, made and entered into this ____ day of October, 2006, by and between Ford Motor Company ("Ford"), a Delaware corporation, The Kingsford Products Company, LLC ("KPC"), a Delaware limited liability company (collectively, "Grantees"), Madken, Inc. a Michigan corporation ("Madken" or "Purchaser") and the City of Kingsford, a Michigan municipal corporation ("City," "Seller" or "Grantor"). Collectively, all of these parties are designated "the Parties."

RECITALS

A. The City of Kingsford owns in excess of 85 acres of certain real estate located adjacent to the Menominee River, in the City of Kingsford, Dickinson County, Michigan as shown in **Exhibit A**, which contains the Map of City Property and accompanying property legal description (the "Property").

B. Ford and KPC have undertaken to perform certain environmental response activities pursuant to Part 201 of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, as amended ("NREPA") and pursuant to a Consent Judgment dated October 26, 2004 in the matter of the State of Michigan vs Ford Motor Company and the Kingsford Product Company, Ingham County Circuit Court, Case Number 040-1427-CE ("Consent Judgment").

C. In order to conduct such environmental response activities, Ford and KPC (1) have requested access to approximately 19.74 acres of the Property as described specifically on **Exhibit A**, (the "City Retained Property") and (2) wish to designate Madken as the purchaser of 5.28 acres of the Property as shown in the survey attached as **Exhibit B** (the "Madken Transfer Property").

D. The City of Kingsford will retain the right of first refusal to buy the Madken Transfer Property in the event there is a decision to sell or otherwise transfer all or any portion of the Madken Transfer Property at any time in the future to anyone other than Ford or KPC or another Ford or KPC designee.

E. The City of Kingsford has agreed to the following, along with the other terms and conditions of this Agreement, (1) to grant Ford and KPC access to the City Retained Property for a period of 45 years in exchange for a payment of \$170,000, and (2) to convey title to the Madken Transfer Property to Ford and KPC's designee, Madken, Inc., in exchange for the payment of \$500,000 by Ford and KPC to the City.

F. Ford and KPC will be given credit against the payment for the Madken Transfer Property for \$65,000 in prior improvements to City amenities provided by Ford and KPC.

G. Ford and KPC have agreed to reimburse the City \$3,000 for legal fees that the City will incur in connection with reviewing and negotiating this Agreement. Accordingly, the total payment to be made by Ford and KPC to the City will be Six Hundred and Five Thousand Dollars (\$605,000), plus \$3,000 for legal fees.

H. Ford and KPC have agreed to grant the City an easement to a portion of the Madken Transfer Property and access rights to certain of the facilities and equipment constructed or installed by Ford and KPC on the Madken Transfer Property and the City Retained Property as set forth in this Agreement.

I. Ford, KPC and the City desire to set forth in this Agreement, the understandings of the Parties related to the current and potential future use of the City Retained Property and the Madken Transfer Property.

NOW, THEREFORE, in consideration of the mutual covenants and conditions contained in this Agreement and of the benefits to be derived herefrom, receipt of which is severally acknowledged, the Parties hereby agree as follows:

EASEMENT AND ACCESS AGREEMENT

1. **Consideration.** In consideration of the grant to Ford and KPC and their designees, contractors, subcontractors or consultants of the forty-five (45) year easement and access rights to the 19.74 acres of the Property designated as the City Retained Property and the promises of the City set forth in this Agreement, Ford and KPC will pay the City of Kingsford One Hundred and Seventy Thousand Dollars (\$170,000). Said sum shall be paid to City by means acceptable to City on the Closing Date.

2. **City's Grant of Easement and Access Rights to Ford and KPC.** The City hereby grants to each of Ford and KPC and their designees, contractors, subcontractors or consultants, a forty-five (45) year easement terminating on January 1, 2052, in, over and upon the City Retained Property as set forth below:

A. **Facilities Existing as of August 1, 2006.** With respect to existing environmental response facilities, as identified on **Exhibit A** including:

(i) **Lift Station:** The right to equip, operate, use, repair, maintain and replace the existing Lift Station for pumping sanitary sewage to the City's sanitary sewer system as identified on **Exhibit A**;

(ii) **Forcemain:** The right to equip, operate, use, repair, maintain and replace the existing forcemain connected to the City's sanitary sewer in the approximate location indicated on **Exhibit A**;

(iii) **General Utility Services:** The right to operate, repair, maintain and replace the existing utility services to provide utility service for the facilities in existence prior to August 1, 2006;

(iv) **Streets B and C:** The right to use, repair, maintain and replace Streets B and C as identified on **Exhibit A**;

(v) Storm Water Drainage Facilities: The right to equip, operate, repair, maintain and replace existing storm water drainage facilities as described on **Exhibit A** to provide for storm water control;

(vi) Wells and Borings: The right to equip, operate, use, repair, maintain and replace all existing monitoring and extraction wells, piezometers, geoprobes, other monitoring devices and soil borings, as described on **Exhibit A**;

(vii) Methane Monitoring, Venting and Extraction: The right to monitor, operate, use, maintain, repair and replace soil vapor probes and soil vapor extraction wells and active and passive soil vapor extraction systems as described on **Exhibit A**;

(viii) Monitoring Equipment: The right to use, monitor, repair, replace and maintain existing groundwater or surface water monitoring equipment; and

(ix) Pipelines: The right to equip, operate, use, repair, maintain and replace the existing pipelines on the City Retained Property.

B. Future Similar Facilities. The right to expand existing or construct additional groundwater capture and monitoring systems, methane monitoring, venting and extraction systems and/or other similar environmental response equipment and facilities as specified in **Exhibit C** and to monitor, operate, use, maintain, repair and replace such Similar Facilities all without additional approvals or consideration;

C. Future Supplemental Facilities. The right to construct, expand, use, occupy, repair, maintain, replace and repair environmental response facilities of a more sizeable nature and not specified in **Exhibit C** (referred to hereinafter as "Supplemental Facilities") subject to the approval of the City and such reasonable conditions as the City may impose, including additional reasonable compensation, which approval shall not be unreasonably withheld or unduly delayed.

D. Location of Future Similar and Supplemental Facilities. With respect to Similar or Supplemental Facilities constructed or expanded after August 1, 2006, Ford and KPC will work cooperatively with the City to locate and design such facilities to minimize potential interference with the future development of the City Retained Property to the extent consistent with Ford and KPC's obligations under the Consent Judgment and the requirements of the MDEQ, including the specifications set forth in **Exhibit C**.

E. Relocation of Existing Facilities. In the event the City makes a reasonable request to relocate any existing facility on the City Retained Property, Ford and KPC will work cooperatively with the City to relocate the facility to a mutually agreed upon location provided such relocation is consistent with Ford's and KPC's obligations under the Consent Judgment and any requirements imposed by the MDEQ. All such relocation costs shall be paid by the City upon the request of Ford and KPC except Ford

and KPC will bear the expense for converting existing wells to a flush-mounted configuration where such wells are located adjacent to the river but within the property boundaries or reasonable line of sight from any residence constructed in the future on the City Retained Property.

Exhibit A will be revised to describe such addition, relocation or removal of groundwater capture, monitoring or other environmental response equipment or facilities after August 1, 2006, pursuant to Paragraphs 2.B through 2.E and consistent with any prior approvals by the City for such installation, relocation or removal of the equipment or facilities as may be required by this Agreement. Each such revision of **Exhibit A** shall be deemed to be incorporated into this Agreement. Nothing in this Paragraph 2 provides for or otherwise allows for an expansion of the acreage included in the easement as specified in the current survey included in **Exhibit A** as of the effective date of this Agreement.

3. **Ford and KPC's Grant of Access Rights to the City for the Forcemain, Lift Station, and Utilities.**

A. Ford and KPC hereby grant to the City, and its designees, contractors, subcontractors or consultants, up to a forty-five (45) year nonexclusive right of access to use one or more of the facilities and equipment identified in Paragraph 2.A.(i)-(iii) including the lift station, forcemain, related sanitary sewers and utilities. This grant of access will terminate on either January 1, 2052 or the date on which Ford and KPC demolishes, abandons or transfers the applicable facilities or equipment pursuant to Paragraph 10 of this Agreement, whichever comes first, *provided that* the City's use of any one or more of the facilities and equipment does not interfere with Ford or KPC's response action activities or use of the facilities.

B. The City may use without payment of any costs the first 20 % (twenty percent) of the annual flow of the facilities and equipment identified in Paragraph 2.A.(i)-(iii). After the City's usage first exceeds 20% of the total flow on an annual basis, the City, Ford and KPC will pay operation, maintenance, repair and replacement costs in proportion to their actual usage of the total flow.

C. The City agrees that after the City begins using the facilities and equipment identified in Paragraph 2.A.(i)-(iii), the City shall not limit Ford's, KPC's and/or their designees', contractors', subcontractors' or consultants' use of these facilities except as may be required to protect public health and safety. Nor shall the City charge fees for Ford's, KPC's and/or their designees', contractors', subcontractors' or consultants' use of these facilities and equipment. Nothing in this Agreement prohibits the City or applicable Authority from imposing costs or fees for sewage treatment and water.

4. **Rights and Obligations of Ford, KPC and the City with Respect to Streets B and C and Related Storm Water Drainage Facilities.** With respect to Streets B and C and the related Storm Water Drainage Facilities identified in Paragraph 2.A.(iv)-(v) of this Agreement, Ford and KPC and the City agree as follows:

A. City and its designees, contractors, subcontractors, or consultants shall also be entitled to use Streets B and C and related storm drainage facilities, as long as said use

does not unreasonably interfere with Ford or KPC's response action activities or use of the facilities or equipment.

B. The City has the right to make Streets B and C and related Storm Water Drainage facilities open for use by the public at which time the ownership of the roads will transfer to the City.

C. Prior to the City opening Streets B and C for public use, Ford and KPC shall have the obligations to maintain, repair and replace these roads as needed for Ford's and KPC's usage except to the extent the City or any person the City allows to use these roads damages the roads or adjacent or underlying utilities, the City will have the obligation to repair such damaged roads and utilities. After the City opens Streets B and C to the public, the City will have the obligation to maintain, repair and replace these roads, except to the extent that Ford or KPC and/or their designees, contractors, subcontractors or consultants damage the roads or adjacent or underlying utilities, Ford and KPC will have the obligation to repair such damaged roads and utilities.

D. Ford and KPC have access and easement rights to repair, replace, enlarge, relocate and supplement utilities on, adjacent to or beneath the roads before and after Streets B and C become open to the public provided that Ford and KPC reasonably repairs any damage to the roads caused by such work.

E. In order to avoid interference with Ford and KPC's ability to use Streets B and C for response action activities, the City agrees that in the event the City opens Streets B and C for public use and the City determines that it will pave Streets B and C, Ford and KPC will contribute the cost of, or place at the time the City paves the road, any additional gravel which is necessary and pay the incremental cost of asphalt which is necessary to bring a standard paved local street up to one suitable to handle large truck traffic.

If the City determines it will not pave Streets B and C, then Ford and KPC will have access without weight or use restrictions unless otherwise required by law.

5. **"As Is" Easement.** Seller makes no warranties or representations with respect to the City Retained Property and Ford and KPC accept the easement to the City Retained Property "as is and with all faults" in its present condition and based solely upon Grantees and Madken's own inspection and not based upon any express or implied representation or warranty by Seller and Seller makes no warranty regarding the suitability of the City Retained Property for Ford and KPC's intended use or fitness for a particular purpose. In addition, Seller makes no warranty with regard to the quantity, quality, acreage, or condition of the City Retained Property.

6. **Vegetative Buffer.** Ford and KPC will construct, within twelve (12) months of the date of this Agreement, a vegetative buffer along the southern boundary of the Madken Transfer Property as set forth in **Exhibit D**.

7. **Non-Motorized Trail.** Ford and KPC acknowledge that there may be a non-motorized trail (the "Trail") constructed through the City Retained Property. This Trail will be constructed and financed by the City or someone authorized by the City at no cost to Ford and KPC. The Trail shall be

configured in a manner that does not unreasonably interfere with the response activities being carried out by Ford and KPC on the Madken Transfer Property. The City shall take appropriate precaution not to damage or disturb any of Ford's and KPC's wells, piping and equipment or facilities on the City Retained Property during construction, maintenance and use of the Trail.

8. **No Groundwater Disposal in Sewers.** Nothing in this Agreement gives Ford and KPC any right, permission or authority to dispose or discharge groundwater into the City's sanitary sewer system.

9. **Compliance with Laws.** Ford and KPC shall comply with all applicable laws, codes, and regulations in accordance with the Consent Judgment in constructing and operating the facilities and obtain all necessary permits and approvals to do so. The City agrees to facilitate and expedite any application process relative to any City permit, authorization or approval that is necessary for any of the activities to be carried out pursuant to this Agreement.

10. **Discontinuation, Abandonment and Demolition of Facilities.** Ford and KPC may elect, at any time and from time to time, to terminate operation of any part or all of the facilities described in Paragraph 2 above which are located upon the City Retained Property. If Ford and KPC elect to permanently discontinue operation of any part or all of these facilities, written notice thereof shall be delivered to the City, identifying each of the facilities whose operation is to be discontinued and the proposed disposition thereof, as follows:

A. If Ford and KPC elect to permanently discontinue operation or use of any well or vent, it shall be abandoned and/or closed in place in accordance with all applicable laws, criteria and protocols. The surface soil shall be returned to existing grade and covered with the same type of vegetation or cover material as that surrounding the well or vent.

B. If Ford and KPC elect to permanently discontinue operation of facilities other than wells or vents, the written notice to the City shall specify a period of time, not less than six (6) months, for the City or its contractors, subcontractors or consultants to inspect the facility and to provide Ford and KPC, as set forth in Paragraph 38 of this Agreement, its written response to such notice, and thereafter Ford and KPC shall perform as follows:

- (1) If the City's written response to such notice requests transfer of a facility to the City, and such response is provided to Ford and KPC within the period specified in the notice, that facility shall be transferred to the City, as is, where is, with all faults, at no cost to the City.
- (2) If the City's written response to such notice requests demolition of a facility, and Ford and KPC receive such response within the period specified in the notice, that facility shall be demolished to existing grade within a reasonable period of time by Ford and KPC at no cost to the City.
- (3) If Ford and KPC do not receive the City's written response to such notice within the specified period, Ford and KPC shall demolish the above ground facilities to existing grade within a reasonable time thereafter at

no cost to the City and abandon any underground piping or conduits in accordance with applicable law and regulations or standard industry practice.

Any such transfer, abandonment, and/or demolition shall be performed at no cost to the City.

C. Once a facility or equipment has been abandoned, demolished or transferred to the City pursuant to this Paragraph 10, Ford and KPC will no longer have any obligation to maintain, repair or replace such facilities or equipment.

11. **Release of Easement.**

A. As, when and to the extent that environmental response activities on the City Retained Property have been completed, Ford and KPC agree to release portions or all of the City Retained Property, as the case may be, from the rights and obligations of this Agreement, improved with such of the above-described facilities as shall then be located thereon, subject to Paragraph 10.B above.

B. Subject to the terms and conditions contained in Paragraph 10.B above, each such release shall be accomplished, by execution on behalf of Ford and KPC of an appropriate document evidencing such release, without any action by the City, and by the recording of that document in the public records of the Register of Deeds of the County of Dickinson. The City hereby consents to any and all of such releases, and shall be deemed to have accepted the property rights transmitted thereby without further action. Upon the recording of any such release, all rights of Ford and KPC in and to the portion of the City Retained Property described in said release shall cease.

12. **City's Use of City Retained Property.** The City has the absolute right to use and make improvements to those portions of the City Retained Property where Ford's and KPC's equipment and facilities are not located. The City shall not interfere with, tamper with, or damage any facilities, improvements, supplies or equipment now or hereafter located or installed in or upon the City Retained Property, or interfere with any of Ford's, KPC's, or their designees', contractors', subcontractors' or consultants' activities on the City Retained Property, so long as these improvements, supplies, equipment and activities are present or undertaken pursuant to their rights under this Agreement, *provided that* nothing set forth above shall be construed to limit the City's right to take whatever actions may reasonably be necessary to protect the public health and safety.

13. **City's Grant of Access to the Michigan Department of Environmental Quality Access ("MDEQ").** The City shall allow MDEQ and its authorized employees, agents, representatives, contractors, and consultants to enter the City Retained Property described in **Exhibit A** at all reasonable times, upon presentation of proper credentials and upon making a reasonable effort to contact the person in charge of the City Retained Property described in **Exhibit A**, for the purpose of conducting any activity to which access is required for the implementation of response action pursuant to the Consent Judgment or to otherwise fulfill any responsibility under federal or state law with respect to the environment, but not limited to, the following:

- A. Monitoring response activities or any other activities taking place on the City Retained Property described in **Exhibit A**;
- B. Verifying any data or information submitted to the MDEQ;
- C. Assessing the need for, planning, or conducting investigations;
- D. Obtaining samples;
- E. Assessing the need for, planning, or conducting, response activities at or near the City Property described in **Exhibit A**;
- F. Assessing compliance with requirements for the performance of monitoring, operation and maintenance, or other measures necessary to assure the effectiveness and integrity of a remedial action;
- G. Inspecting and copying non-privileged records, operating logs, contracts, or other documents;
- H. Communicating with Ford's and KPC's representatives, or consultants for the purpose of assessing compliance;
- I. Determining whether the City Retained Property is being used in a manner that is or may need to be prohibited or restricted pursuant to any interim response activity plan, or response action plan; and
- J. Assuring the protection of public health, safety, welfare and the environment.

14. **Notice of Activities.** The City acknowledges that, under the circumstances of this Agreement, neither Ford nor KPC shall be under any obligation to provide advance notice of the commencement of activities consistent with this Agreement, including but not limited to those activities associated with normal operations and maintenance as described in **Exhibit C**. To the extent that Ford and KPC intend to construct Supplemental Facilities, Ford and KPC shall provide written advance notice to the City of its intention to do so and request written authorization from the City as provided in Paragraph 2.C.

15. **Notice, Disclosure, and Restrictive Covenant.**

- A. The City agrees that Ford, KPC or their designees, at their sole discretion, may record a memorandum of this Purchase Easement and Access Agreement with the Dickinson County Register of Deeds.
- B. In the event the City intends to sell, lease or otherwise transfer or give a possessory interest in all or a portion of the City Retained Property, the City agrees to do the following:

(i) Disclose the environmental conditions of the property to the transferee and the rights and obligations of Ford, KPC and the City under this Purchase, Easement and Access Agreement;

(ii) File with the Register of Deeds a restrictive covenant that runs with the land which 1) prohibits activities inconsistent with a limited residential or commercial cleanup, whichever may be applicable, as provided under Part 201 of NREPA and its regulations, 2) prohibits activities which may interfere with Ford's and KPC's response activities and equipment, 3) limits the use of groundwater, 4) requires the new owner or transferee to allow Ford and KPC to install, monitor, maintain, repair and replace at no cost to the new owner methane response equipment or improvements as part of the response activities implemented by Ford and KPC pursuant to the Consent Judgment, 5) acknowledges Ford's and KPC's rights pursuant to this Agreement 6) provides access to Ford and KPC for response action activities and MDEQ as required by the Consent Judgment, and 7) such other provisions as may be required by MDEQ for a final or interim response action plan.

(iii) The City agrees to provide notice to Ford and KPC at least thirty (30) days prior to the execution of any purchase agreement, lease or other agreement to transfer or give a possessory interest in all or any portion of the City Retained Property and to provide Ford and KPC the opportunity to draft the environmental disclosure and restrictive covenant and to file the restrictive covenant after review and approval by the City prior to the transfer.

PURCHASE AGREEMENT

16. **Offer and Acceptance.** Ford, KPC and Madken agree to designate Madken as the Purchaser of the 5.28 acres of the Madken Transfer Property as depicted on **Exhibit B** for the Purchase Price and upon the other terms and conditions set forth in this Agreement. Seller agrees to sell the Madken Transfer Property to Madken, in accordance with the terms and conditions set forth below.

17. **Purchase Price.** The total price for the purchase of the Madken Transfer Property hereunder (the "Purchase Price") shall be Five Hundred Thousand Dollars (\$500,000), payable as follows:

A. **Deposit.** Upon execution of this Agreement by Seller, Ford and KPC shall deposit with Jeff Smith of Superior Title & Abstract Company, as escrow agent (the "Escrow Agent"), the sum of \$50,000 (the "Deposit") to be held by the Escrow Agent in an interest bearing account for application to the Purchase Price at the Closing. In the event the sale is consummated as contemplated hereunder, the Deposit shall be paid by the Escrow Agent to Seller on the Closing Date and credited against the Purchase Price. In the event the sale is not consummated for any reason, disposition of the Deposit and all interest accrued thereon shall be governed by Paragraph 29 below. Any interest earned on the Deposit shall be paid to the party entitled to the Deposit, and the party receiving the interest will pay any applicable income tax thereon. Each of the Parties shall provide its respective taxpayer identification number to the Escrow Agent.

B. Purchase Price and Credit. On the date established pursuant to Paragraph 30 below (the "Closing Date") for delivery of the deed to Purchaser and disbursement of the proceeds of the sale due Seller (the "Closing"), Ford and KPC shall make payment to Seller of the Purchase Price, adjusted to reflect the \$65,000 credit to Ford and KPC for prior improvements to City amenities provided by Ford and KPC, all prorations made pursuant to Paragraph 31 below and the allocation of closing costs pursuant to Paragraph 32 below and otherwise as provided in any other paragraph of this Agreement, less the Deposit (together with interest accrued thereon). Payment of the amount due to Seller hereunder shall be made by a method acceptable to Seller.

18. **Evidence of Title.**

A. Title Commitment and Insurance. As evidence of title to the Madken Transfer Property, Seller shall, as soon as practicable after the date of this Agreement, furnish or cause to be furnished to Purchaser:

A commitment dated subsequent to the date of this Agreement for the issuance of an ALTA fee owner's policy of title insurance (which title insurance policy is to be issued at Closing or as soon as practicable thereafter), without standard exceptions, in the amount of \$13,000,000, which commitment shall be issued by a title insurance company acceptable to Purchaser in which the title company shall agree to insure the title in the condition required hereunder as marketable title subject only to those building and use restrictions and easements which shall not, in Purchaser's sole discretion, interfere with Purchaser's proposed use of the Madken Transfer Property for Industrial and Commercial II, III and IV uses, as defined in Section 20120a(1) of Part 201 of NREPA, and the Michigan Department of Environmental Quality ("MDEQ"), Operational Memorandum #18, Revision 1, dated June 7, 2000. Seller shall, at the time of Closing, order an owner's policy of title insurance from the title insurance company pursuant to the commitment for prompt delivery to Purchaser naming Ford and KPC as additional insureds on the policy. Ford and KPC shall pay for the cost of the title commitment and insurance.

Within thirty (30) days after receiving all of the items referred to above, Purchaser shall notify Seller of any objection to the title to the Madken Transfer Property. Seller shall have thirty (30) days from the date it is notified in writing of the particular defects claimed either to remedy such defects or to terminate this Agreement if, after using its best efforts to do so, Seller is unable to remedy such defects and, if requested by Purchaser, is unable to obtain specific insurance against any loss or defect to Purchaser which might at any time arise from such defects; *provided that*, Purchaser may elect to waive any defect and proceed with the purchase subject thereto and *provided further that* in the event any such defect results from a lien or encumbrance dischargeable upon the payment of a liquidated amount, Purchaser may, at its option, pay such amount and receive credit against the Purchase Price for the amount paid. If Seller remedies such defects within the time specified or Purchaser elects to waive such defects or to pay such liquidated amount to discharge such defect or defects, Purchaser agrees to complete the purchase within ten (10) days after written notification thereof but no sooner than the Closing Date.

B. **Current Survey.** Grantees have furnished to Seller a current survey of the Madken Transfer Property certified to Purchaser and the title insurance company by a registered land surveyor, which survey showed (i) the legal description of the Madken Transfer Property, (ii) all public streets and roadways adjacent to the Madken Transfer Property, (iii) the exact location of all recorded easements on or servicing the Madken Transfer Property, (iv) the exact location of all Improvements, and (v) the acreage of the Madken Transfer Property. (See *Exhibits A and B*). Grantees will also furnish Seller as-built drawings showing (i) the exact location of all curb cuts, access roads and entry points of all utilities serving the Madken Transfer Property and (ii) the exact location of all drainage and utility lines, connections, sewage Lift Stations on or servicing the Madken Transfer Property,

19. **Possession.** Possession of the Madken Transfer Property shall be delivered to Purchaser on the Closing Date, subject to the current possessory rights, if any, of Grantees, their contractors, subcontractors or consultants.

20. **Easement and Access Rights.** Madken hereby grants to the City a non-exclusive easement over the Madken Transfer Property to provide access for the purposes set forth in this Paragraphs 20.A-B. The City and its designees, contractors, subcontractors or consultants shall have the right to:

A. Construct, operate, use and maintain a non-motorized Trail in the location identified as the Access Easement Area through the Madken Transfer Property on **Exhibit A** provided the location, construction and maintenance of the Trail does not interfere with the operation, maintenance and potential expansion of the groundwater monitoring system, groundwater treatment plant, and/or other environmental response equipment upon the Madken Transfer Property; and

B. Build, use, repair, maintain, improve and replace an existing roadway, identified as the Access Easement Area through the Madken Transfer Property on **Exhibit A**, and utilities on, over and under this area 60 feet in width across the Madken Transfer Property as depicted on **Exhibit B**. These activities are subject to the following:

(i) The City has the right to make the road and any related Storm Water Drainage facilities open for use by the public at which time the ownership of the road will transfer to the City.

(ii) Prior to the City opening the road for public use, Ford and KPC shall have the obligations to maintain, repair and replace the road as needed for Ford's and KPC's usage except to the extent the City or any person the City allows to use the road damages the roads or adjacent or underlying utilities, the City will have the obligation to repair the damaged road and utilities. After the City opens the road to the public, the City will have the obligation to maintain, repair and replace the road, except to the extent that Ford or KPC and/or their designees, contractors, subcontractors or consultants damages the road or adjacent or underlying utilities, Ford and KPC will have the obligation to repair the damaged road and utilities.

(iii) Ford and KPC have access and easement rights to repair, replace, enlarge, relocate and supplement utilities on, adjacent to or beneath the road before and after the road becomes open to the public provided that Ford and KPC reasonably repairs any damage to the road caused by such work.

(iv) In the event that the City opens the road for public use, the City shall first pave the road to make it a primary all season road to avoid seasonal weight limitations which would impair Ford and KPC's rights to use the roads for response action activities in accordance with the following:

(a) The City shall design the road such that it does not interfere with the underlying utilities. If the road design requires the underlying utilities be moved in order to facilitate construction, those utilities can only be moved subject to the approval of Ford and KPC. The City must pay for any costs of such utility relocation and coordinate the timing of any road construction work with Ford and KPC so as not to interrupt the environmental response activities.

(b) The City shall pay all pavement construction costs except that Ford and KPC will contribute the cost of, or place at the time the City paves the road, any additional gravel which is necessary and pay the incremental cost of asphalt which is necessary to bring a standard paved residential street up to an all season road.

21. **Representations and Warranties of Seller.** Seller represents and warrants to Purchaser, as of the date of this Agreement and as of the Closing Date, as follows:

A. There is no option to purchase, right of first refusal to purchase or agreement for the sale and purchase of all or any portion of the Madken Transfer Property to any person or entity other than Purchaser.

B. Seller is a Michigan municipal corporation duly organized, validly existing and in good standing under the laws of the State of Michigan and has all necessary corporate power to execute this Agreement and to consummate the transactions contemplated hereby without the joinder or consent of any other person or entity and this Agreement constitutes the binding obligation of Seller. The below named signatories on behalf of Seller have the power to execute and deliver this Agreement on behalf of Seller and to bind Seller in accordance with the terms of this Agreement.

C. Except as Provided in Paragraphs 13 and 15 of this Agreement, there are no undisclosed obligations or agreements of Seller affecting the Madken Transfer Property and there are no actions, suits or proceedings pending or threatened against or relating to Seller or all or any portion of the Madken Transfer Property in any court or before any federal, state, county or municipal department, commission, board, agency or other governmental instrumentality which, if successful, would prevent Seller from completing the sale of the Madken Transfer Property or would restrict or prevent the intended use of the Madken Transfer Property by Purchaser.

D. With respect to zoning requirements, the City, at a City Council meeting on December 22, 2003, approved a Conditional Use Permit for the environmental response activities at the site, as shown in the minutes attached as **Exhibit E**. Additionally, after the date hereof, the City, on its own initiative shall not at any time seek, suffer or permit any alteration, modification, amendment, termination and/or lapse of any zoning classification, permit or other instrument or document currently in effect in respect to all or any portion of the Madken Transfer Property or enforce any zoning classification, restriction or other provision of any ordinance that would in any way prohibit or restrict the intended use of the Madken Transfer Property by Purchaser, Ford or KPC or the operation of the facilities as currently conducted, unless otherwise requested by Ford and KPC. It is the City's understanding that the current use is a permitted use and if a zoning change were to occur, the then current use would be an existing nonconforming use which could continue as long as Ford or KPC or their designee(s) has a interest in this property for purposes of conducting environmental response activities.

The foregoing representations and warranties shall be continuing and shall be true and correct on and as of the Closing Date with the same force and effect as if made on that date, and all of such representations and warranties shall survive the Closing and shall not be affected by any investigation, verification or approval by any party hereto or by anyone on behalf of any party hereto.

22. **Inspection and Investigation by Purchaser.** Ford and KPC acknowledge that, prior to the date of this Agreement, they have had an ample and unrestricted opportunity for inspection and investigation of the Madken Transfer Property including the opportunity to assess the environmental condition of the Madken Transfer Property. Grantees and Madken are satisfied with the environmental condition of the Madken Transfer Property. Purchaser, at its sole discretion, may complete Phase I and Phase II Environmental Site Assessments and a Baseline Environmental Assessment for the Madken Transfer Property.

23. **"As Is" Purchase.** Except for the express representations and warranties provided in Paragraph 21 above, Seller makes no other warranties or representations and Grantees and Madken accept the Madken Transfer Property "as is and with all faults" in its present condition and based solely upon Grantees and Madken's own inspection and determination as to value and not based upon any express or implied representation or warranty by Seller and Seller makes no warranty regarding the suitability of the Madken Transfer Property for Grantees or Purchaser's intended use and expressly disclaims any warranties of merchantability or fitness for a particular purpose. In addition, Seller makes no warranty with regard to the quantity, quality, acreage, condition or value of the Madken Transfer Property.

24. **Conditions Precedent.** The obligation of Purchaser, Ford and KPC to proceed to consummate this transaction is conditioned upon each of the following conditions precedent:

A. The title and survey provisions of Paragraph 18 shall have been satisfied.

B. Seller shall have complied with all conditions required by this Agreement to be complied with by Seller and delivered all of the instruments and documents required to be delivered to Purchaser by Seller at the Closing.

C. At the Closing, Seller shall deliver to Purchaser, in addition to the other items referred to elsewhere in this Agreement, the documents listed in Paragraph 25 below.

D. All of Seller's representations and warranties contained in this Purchase Agreement shall be true and correct as of this date and as of the Closing Date, and Seller shall not on the Closing Date have failed to satisfy, observe or perform any condition or agreement on its part to be satisfied, observed or performed under the terms and conditions of this Agreement.

E. Seller shall have obtained all approvals required by the Land Division Act in order to consummate the transaction contemplated hereby.

25. **Documents to be Signed by Seller on Closing Date.** On the Closing date, Seller shall execute and deliver to Purchaser the following documents, each of which shall be prepared by Ford and KPC, and each document shall be in a form reasonably satisfactory to Seller and its counsel:

A. A covenant deed to the Madken Transfer Property for the time during which the City has owned the Madken Transfer Property and a quit-claim deed for the time before the City owned the Madken Transfer Property in recordable form.

B. An affidavit executed by Seller in a form required by the title insurance company to remove standard exceptions from the owner's policy of title insurance to be issued to Purchaser.

C. A certificate of Seller to the effect that all of Seller's representations and warranties contained in Paragraph 21 are true and correct as of the Closing Date.

D. If required by the City's Tax Department, a real estate transfer valuation affidavit executed by Seller in form prescribed by the Dickinson County Register of Deeds for determining the amount of transfer tax payable with respect to the conveyance of the Property to Purchaser hereunder (such transfer tax if any to be paid by Seller).

E. Any other documents reasonably requested by Purchaser or Purchaser's title insurer.

26. **Obligations of Seller Prior to Closing.** During the period commencing on the date of this Agreement and ending on the Closing Date, Seller shall:

A. Pay all costs and expenses and discharge all liabilities, obligations and claims arising out of its ownership of the Madken Transfer Property, not resulting from Ford or KPC's prior or current use of the property.

B. Not seek, suffer or permit any alteration, modification, amendment, termination and/or lapse of any zoning classification, permit or other instrument or document respecting all or any portion of the Madken Transfer Property, not requested by Ford or KPC, without Purchaser's prior written consent.

C. Not enter into any agreement, lease, use and occupancy arrangement, easement or other agreement with respect to all or any portion of the Madken Transfer Property, not requested by Ford or KPC, without Purchaser's prior written consent.

D. Not create, grant or accept any option to purchase, right of first refusal, installment sale agreement or other agreement for the leasing or sale of all or any portion of the Madken Transfer Property without Purchaser's prior written consent.

E. Not create or suffer any right, claim, lien or encumbrance of any kind whatsoever on all or any portion of the Madken Transfer Property, not resulting from Ford or KPC's prior or current use of the Property, which would bind Purchaser as Seller's successor.

F. Furnish to Purchaser within (ten) 10 days after receipt by Seller any and all notices under any existing loan, real estate tax bills, notices of proposed assessments, and notices of any proposed action under or violation of any law, statute, ordinance, rule or regulation affecting all or any portion of the Madken Transfer Property.

G. Make all payments when due and keep, perform and observe all provisions with respect to any mortgage which affects all or any portion of the Madken Transfer Property, not resulting from Ford or KPC's prior or current use of the Property, for which Seller is responsible.

H. Pay when due all real estate and other taxes, utility bills, insurance premiums and other charges applicable to all or any portion of the Madken Transfer Property before any penalty for nonpayment shall accrue for which Seller is responsible.

I. Obtain any and all necessary approvals required by the Land Division Act and all local ordinances in connection with the sale of the Madken Transfer Property.

27. **Notice of Destruction or Condemnation.** Seller shall give Purchaser prompt notice of any damage to or destruction of the Property or of the institution of any proceedings for condemnation of all or any portion of the Madken Transfer Property.

28. **Purchaser's Remedies Upon Default.** In the event Purchaser discovers prior to the Closing Date that any representation or warranty of Seller contained in this Agreement is false or misleading, or in the event Seller fails to keep or perform any covenant, agreement or obligation to be kept or performed by Seller under this Agreement, Purchaser may recover damages and enforce specific performance of this Agreement. Additionally, Purchaser and Seller shall work cooperatively together to rectify any such deficiency in order to facilitate the expeditious sale of property and transfer of easement rights to Ford and KPC pursuant to this Agreement.

29. **Seller's Remedy upon Default.** If the sale and purchase of the Madken Transfer Property contemplated by this Agreement is not consummated solely because of Purchaser's default, the Deposit (together with interest accrued thereon) shall be paid to Seller as full liquidated damages for such default by Purchaser, and not as a penalty, the Parties hereto acknowledging that it is impossible to estimate more precisely the damages which might be suffered by Seller upon Purchaser's default. The right to retain such sum as full liquidated damages is Seller's sole and exclusive remedy in

the event of default hereunder by Purchaser, and Seller hereby waives and releases any right to (and hereby covenants that it shall not) institute action against Purchaser for specific performance of this Agreement or for claimed actual damages in excess of such sum.

30. **Closing.** Purchaser must raise any issues with respect to the City's performance of the Conditions Precedent to Closing within thirty (30) days of the effective date of this Agreement. Purchaser and Seller shall close this transaction within thirty (30) days after the execution of this Agreement, but only after satisfaction or waiver by Purchaser of all conditions precedent. The Closing shall take place at a mutually agreeable location. Time is of the essence for this Agreement.

31. **Prorations.** The City shall be responsible for all city, county and/or state ad valorem property taxes, if any, affecting the Madken Transfer Property for the calendar year of the Closing.

32. **Closing Costs.** Ford and KPC shall pay all closing costs except as specifically provided herein.

33. **Brokers.** Purchaser and Seller each represent and warrant to the other that there has been no involvement of any broker in this transaction. Each party shall indemnify and hold the other party harmless with respect to the claims of any real estate broker who may have dealt with such party in connection with this transaction.

34. **Condition of Madken Transfer Property.** Except as provided herein, Purchaser shall acquire the Madken Transfer Property in its condition as of the date of this Agreement, subject to reasonable use, wear, tear and natural deterioration between the date hereof and the Closing Date.

35. **Right of First Refusal.** The City of Kingsford retains the right of first refusal to buy the Madken Transfer Property in the event there is a decision to sell or otherwise transfer all or any portion of the Madken Transfer Property at any time in the future to anyone other than Ford or KPC or another Ford or KPC designee.

36. **Binding Effect.** This Agreement shall bind the Parties and their respective successors and assigns. Neither party to this Agreement may assign all or any of its rights or obligations hereunder without the prior written consent of the other party.

37. **Additional Documents.** Each party agrees to execute any additional documents reasonably requested by the other party to carry out the intent of this Agreement.

38. **Notices.** Notices shall be deemed as given upon personal delivery to Purchaser, Seller and Grantees as the case may be, at its address set forth below, or by registered or certified mail, postage prepaid, or a nationally recognized overnight delivery service, sent to such address. Notices shall be addressed as follows:

If to Purchaser:
Ken Tousignant
Madken, Inc.
1320 Carpenter Avenue
Iron Mountain, MI 49801

With a Copy to:

Margaret A. Coughlin
Dickinson Wright PLLC
38525 Woodward Avenue, Suite 2000
Bloomfield Hills, MI 48304

If to Seller:

Darryl K. Wickman
305 S. Carpenter Avenue
Kingsford City Manager/Clerk
P.O. Box 3535
Kingsford, MI 49802

With a Copy to:

Bruce W. Brouillette
Bruce W. Brouillette, P.C.
1103 Carpenter Avenue
P.O. Box 38
Iron Mountain, Mi 49801

If to Ford:

Elaine Black Mills
Ford Motor Company
1500 Parklane Towers West
Three Parklane Boulevard
Dearborn, MI 48126

With a Copy to:

Margaret A. Coughlin
Dickinson Wright PLLC
38525 Woodward Avenue, Suite 2000
Bloomfield Hills, MI 48304

If to KPC:

Brian W. Hayle
Corporate Counsel
The Kingsford Products Company LLC
1221 Broadway, 23rd Floor
Oakland, CA 94612

With a Copy to:

Michael L. Robinson
Warner Norcross & Judd LLP
111 Lyon Street, NW, Suite 900
Grand Rapids, Michigan 49053

39. **Escrow Agent.** The Escrow Agent shall have no liability to either Purchaser or Seller except for the Escrow Agent's own gross negligence or willful misconduct and shall be indemnified by Ford and KPC, jointly and severally, against any claim, liability or expense (including reasonable

attorneys' fees) resulting from any action taken or omitted by the Escrow Agent under or pursuant to this Agreement. The Escrow Agent is authorized to make payment of the Deposit (together with interest accrued thereon) to Purchaser or Seller upon the written request of Purchaser or Seller, as the case may be, accompanied by a certification of such party that it is entitled to receive the payment. Notwithstanding any other provision of this Agreement, the Escrow Agent shall not be required to make payment of the Deposit except in accordance with the foregoing authorization and upon the Escrow Agent's receipt of such specific assurance of indemnification from the party requesting payment as the Escrow Agent may reasonably request.

40. **Seller Retains Right of First Refusal.** The City retains the right of first refusal in the event that Madken decides to sell or otherwise transfer all or any portion of the Madken Transfer Property at any time in the future to any one other than Ford and/or KPC or another Ford and KPC designee.

MISCELLANEOUS PROVISIONS APPLICABLE TO BOTH THE EASEMENT AND ACCESS AGREEMENT AND THE PURCHASE AGREEMENT

41. **Limitations On Conveyances; Release and Indemnification Associated With The Conveyances.** The deeds and easement described herein shall be subject to and contain the following provisions:

A. All conveyances described herein are subject to existing zoning ordinances or regulations and those matters discoverable by an inspection or an accurate survey of the premises described herein. It is the understanding of the Parties that the use of the property and related improvements constructed thereon by Ford and KPC prior to Closing are governed by the provisions in the zoning ordinance that apply to City owned property and are grandfathered after the Closing from zoning ordinances that apply to non-City owned property. Additionally, unless required by law, the City, on its own initiative shall not at any time seek, suffer or permit any alteration, modification, amendment, termination and/or lapse of any zoning classification, permit or other instrument or document currently in effect in respect to all or any portion of the Madken Transfer Property or the City Retained Property, unless otherwise requested by Ford and KPC. It is the understanding of the Parties that the current use is a permitted use and if a zoning change were to occur, the then current use would be an existing nonconforming use which could continue as long as Ford or KPC or their designee(s) has a interest in this property for purposes of conducting environmental response activities.

B. The survey of the City Retained Property and the Madken Transfer Property and the title insurance for the Madken Transfer Property have been arranged for and provided to the City by Ford and KPC.

C. The City has disclosed to Ford and KPC that the Madken Transfer Property abuts a private road that has not been accepted prior to the Closing for maintenance by either the City of Kingsford, the Dickinson County Road Commission or any other public body.

D. The conveyances described herein are not Conservation Easements as provide for in Part 21, Subpart 11 of the Natural Resources Environmental Protection Act, P.A., 1994, No. 451, § 2140; MCL 324.2140 et seq.

E. The City, in a letter dated August 7, 2006, has approved the parcel division associated with this transaction. *See Exhibit F.* However, the City is granting the Purchaser no right to make divisions under Sections 108 of the Land Division Act, Act Number 288 of the Public Acts of 1967, in any of the conveyances described herein. The City does not warrant compliance under the Michigan Land Division Act. Further, by accepting the instruments described herein and entering into this Agreement, Ford, KPC and Madken hereby specifically release for themselves, their heirs, successors, and assigns any right to void this transaction and to seek damages in the event it is later determined by a Court of competent jurisdiction that the transaction has violated the Land Division Act.

F. Ford, KPC and Madken hereby release and Ford and KPC agree to save, hold harmless and defend City from any and all liability if a Court of competent jurisdiction would declare that this Agreement or any part thereof is invalid as it pertains to an obligation of the City as set forth herein. In the event that a Court decides that the sale of the Property or the easement is void, the City hereby grants a right of access for the location, operation and maintenance of the groundwater treatment plant and access for the environmental equipment and facilities located or to be located as contemplated by this Agreement in the City Retained Property and the Madken Transfer Property until such time as an agreement or agreements satisfactory to the City, Ford and KPC, or their successors and assigns, are entered into for the transfer of property rights allowing for the environmental response activities and associated equipment and facilities contemplated by this Agreement.

42. **Credits to Grantees.** Ford and KPC and Madken will receive credit against the Madken Transfer Property purchase price for: (1) Five Thousand Dollars (\$5,000) paid by Ford and KPC for upgrades to the City of Kingsford gas lines, (2) Thirteen Thousand and Five Hundred Dollars (\$13,500) paid by Ford and KPC for upgrade/realignment of the sewer line at Lodal Park/FCLF Property, and (3) Forty-Six Thousand and Five Hundred Dollars (\$46,500) paid by Ford and KPC for upgrades to potable water lines installed to service the Madken Transfer Property. Accordingly, the final amount paid by Ford and KPC to the City under this Agreement will be reduced by \$65,000.

43. **Indemnifications Bodily Injury and Property Damages.**

A. **Ford's and KPC's Indemnification of the City.** Ford and KPC agree to indemnify the City, its present and future officials, employees, contractors and agents, and to save and hold them harmless from and against, any and all liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits and costs and expenses incidental thereto (including costs of defense, settlement and reasonable attorneys' fees) which any or all of them may hereafter incur, be responsible for or pay out as a result of bodily injuries or death to any person, damage (including loss of use) to any property (public or private), arising out of any breach of this Agreement by Ford or KPC, or any negligent or willful act or omission of Ford or KPC, or any of their respective

employees, contractors or agents, arising out of the construction, operation, maintenance or use of the facilities pursuant to this Agreement.

B. City's Indemnification of Ford and KPC. The City agrees to indemnify Ford and KPC and Purchaser and their present and future officials, employees, contractors and agents, and to save and hold them harmless from and against, any and all liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits and costs and expenses incidental thereto (including costs of defense, settlement and reasonable attorneys' fees) which any or all of them may hereafter incur, be responsible for or pay out as a result of bodily injuries or death to any person, damage (including loss of use) to any property (public or private), arising out of the construction, operation, maintenance or use of the non-motorized Trail to the extent to which it is attributable to the acts or omissions of the City or any of its respective employees, contractors or agents.

44. **Successors and Assigns; Agreement to Run with the Land.** This Agreement shall be binding upon, and shall inure to the benefit of, the successors and assigns of each of the Parties hereto. The rights and obligations set forth in this Purchase, Easement and Access Agreement shall be construed as covenants, which run with both the Madken Transfer Property and the City Retained Property.

45. **No Waiver.** Failure of any party to insist upon the strict performance of any term, covenant or condition of this Agreement, or to exercise any right or remedy herein contained, shall not be construed as a waiver or relinquishment of such term, covenant, condition, right or remedy for the future, or a waiver or relinquishment of any other term, covenant, condition, right or remedy set forth in this Agreement.

46. **No Admissions.** This Agreement does not constitute an admission of liability on the part of any person, nor does it release any party from any liability for any conditions in, on, under or around any property or properties, including, without limitation, the Property.

47. **Third Parties.** Except as set forth with respect to the Escrow Agent in Paragraph 39, nothing in this Agreement, express or implied, is intended to confer upon any person, other than the parties hereto and their respective designees, successors and permitted assigns, any rights or remedies whatsoever.

48. **Date of this Agreement.** For the purposes of the transaction contemplated by this Agreement, the date of this Agreement is the Date of Acceptance of Seller set forth below. Upon its execution of this Agreement Seller shall insert the date of such execution opposite its signature block and in the first paragraph of this Agreement.

49. **Headings.** The headings of this Agreement are for purposes of reference only and shall not limit or define the meaning of any provisions of this Agreement.

50. **Saturdays, Sundays and Holidays.** Time is of the essence of this Agreement and the performance of all covenants, agreements and obligations hereunder. Whenever in this Agreement it is provided that notice must be given or an act performed or payment made on a certain date, if such date

falls on a Saturday, Sunday or holiday the date for the notice of performance or payment shall be the next following business day.

51. **Severability.** If any provision of this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of the provisions of this Agreement shall remain in full force and effect and shall in no way be affected, impaired or invalidated.

52. **Integration.** This Agreement constitutes the entire agreement and understanding between the parties hereto relating to the sale and purchase of the Madken Transfer Property and the easement and access provisions for the City Retained Property, and it is agreed that any change in, addition to, or amendment or modification of the terms hereof shall be of no effect unless reduced to writing and executed by Purchaser, Grantees and Seller.

53. **Survival.** This Agreement shall not be merged into any instruments or documents executed and delivered at the Closing but shall survive the Closing and the representations and warranties and covenants made herein shall remain in full force and effect.

54. **Reimbursement of Legal Fees.** Grantees shall reimburse the City Three Thousand Dollars (\$3,000) in legal fees for reviewing and negotiating this Agreement.

55. **Execution of Agreement.** This Agreement may be executed in any number of identical and separate counterparts, each of which is deemed to be an original, but all of which shall constitute one Agreement.

IN WITNESS WHEREOF, we set our hands and seal this ____ day of _____, 2006.

Purchase, Easement And Access Agreement between Ford Motor Company, The Kingsford Products Company, LLC, Madken, Inc. and the City of Kingsford

Seller:

City of Kingsford


By: 
Darryl K. Wickman

Its: City Manager/Clerk

Date: OCTOBER 20, 2006

Purchase, Easement And Access Agreement between Ford Motor Company, The Kingsford Products Company, LLC, Madken, Inc. and the City of Kingsford

Purchaser:
Madken, Inc.

By:  _____

Its: PRESIDENT _____

Date: 10 23 _____, 2006

Ford Motor Company

By: _____

Its: _____

Date: _____, 20__

The Kingsford Products Company, LLC

By: _____

Its: _____

Date: _____, 20__

Purchase, Easement And Access Agreement between Ford Motor Company, The Kingsford Products Company, LLC, Madken, Inc. and the City of Kingsford

Purchaser:
Madken, Inc.

By: _____

Its: _____

Date: _____, 20__

Ford Motor Company

By:  _____

Its: **Kathryn S. Lamping**
Assistant Secretary

Date: *November 2, 2006*

The Kingsford Products Company, LLC

By: _____

Its: _____

Date: _____, 20__

Purchase, Easement And Access Agreement between Ford Motor Company, The Kingsford Products Company, LLC, Madken, Inc. and the City of Kingsford

Purchaser:
Madken, Inc.

By: _____

Its: _____

Date: _____, 20__

Ford Motor Company

By: _____

Its: _____

Date: _____, 20__

The Kingsford Products Company, LLC

By: [Signature]

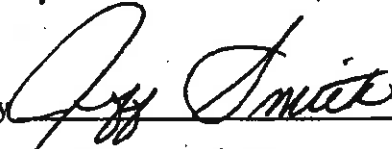
Its: Vice President - Secretary

Date: November 9, 2006

RECEIPT OF DEPOSIT

The undersigned, as Escrow Agent under the foregoing Purchase Agreement, hereby acknowledges receipt of funds in the amount of FIFTY THOUSAND + 20/100 Dollars (~~\$50,000.00~~), constituting Purchaser's Deposit under the Agreement.

SUPERIOR TITLE, A DIVISION OF BAY TITLE

By 
Its MANAGER

Dated: 10/27, 2006

INDEX OF EXHIBITS

Exhibit A	Map of subject property and Legal Description
Exhibit B	Survey of Madken Transfer Property
Exhibit C	Future Similar Facilities
Exhibit D	Vegetative Buffer
Exhibit E	City Council Minutes from December 22, 2003
Exhibit F	Letter from City's Land Division Act Administrator

EXHIBIT A

I U

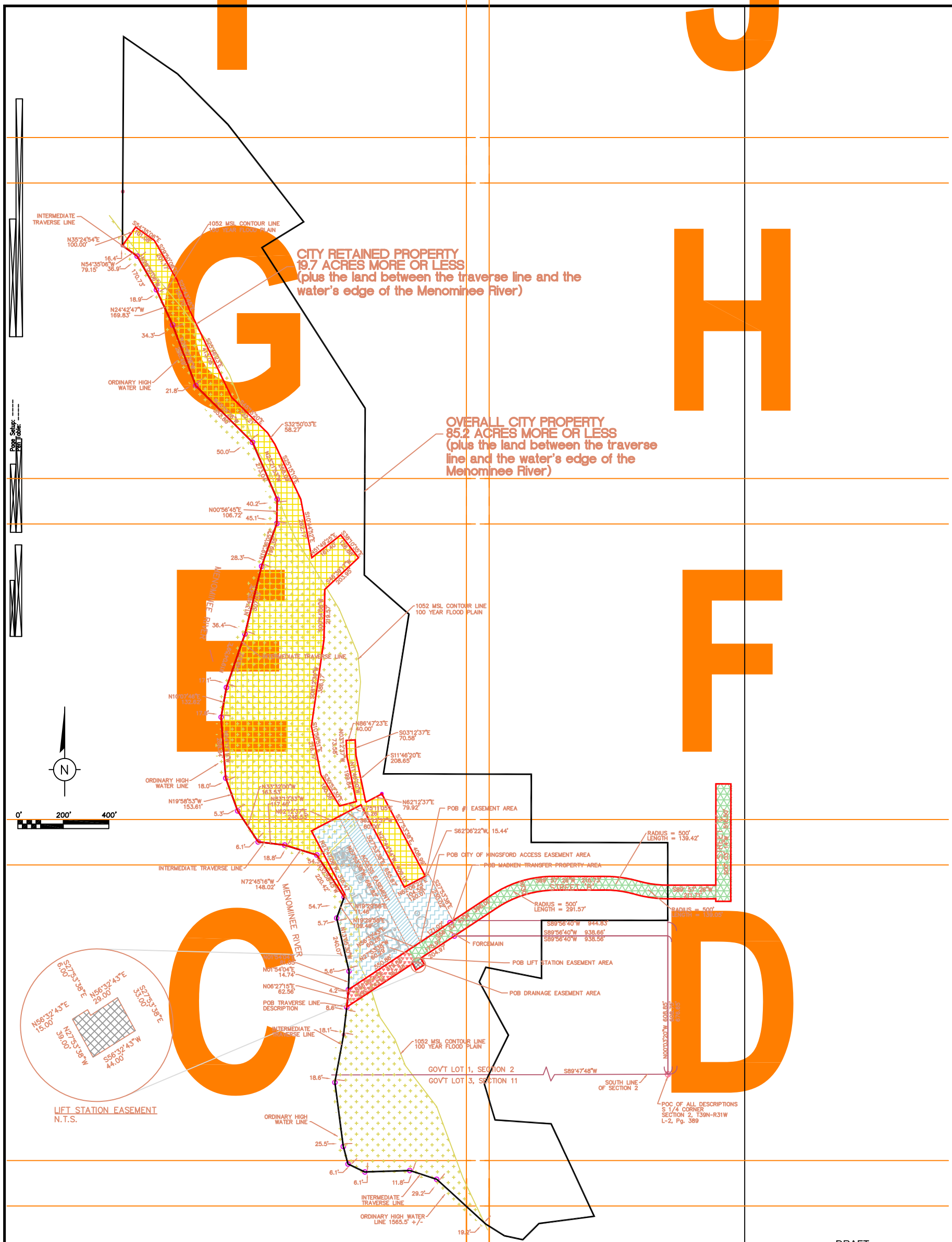
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A



CITY RETAINED PROPERTY
 19.7 ACRES MORE OR LESS
 (plus the land between the traverse line and the water's edge of the Menominee River)

OVERALL CITY PROPERTY
 85.2 ACRES MORE OR LESS
 (plus the land between the traverse line and the water's edge of the Menominee River)

DRAFT
 Privileged and Confidential;
 Attorney Work Product; Prepared at
 the Request of Counsel in
 Anticipation of Litigation; Joint
 Defense Privilege

LEGEND

NOTES:
 1. HORIZONTAL DATUM BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM.
 DATE OF PHOTOGRAPHY: 5-04-97
 ABRAMS AERIAL SURVEY CORPORATION #26994.2
 2. ACCURACIES NOT GUARANTEED IN OBSCURED AREAS SHOWN BY DASHED CONTOURS AND UNDERLINED ELEVATIONS

● MONITOR WELL/EXTRACTION WELL/PIEZOMETER LOCATION	■ EASEMENT AREA	MSL MEAN SEA LEVEL
⊕ SOIL BORING LOCATION	■ MADKEN TRANSFER PROPERTY	POB POINT OF BEGINNING
▲ GAS PROBE LOCATION	■ STREETS 'B' AND 'C' EASEMENT AREA	POC POINT OF COMMENCEMENT
◆ STAFF GAUGE LOCATION	■ DRAINAGE EASEMENT AREA	
◆ GEOPROBE LOCATION	■ 100 YEAR FLOOD PLAIN (1052.5 BASE MSL)	
— CITY RETAINED PROPERTY	■ LIFT STATION EASEMENT AREA	
— OVERALL CITY PROPERTY	■ CITY OF KINGSFORD ACCESS EASEMENT AREA	

ARCADIS

126 NORTH JEFFERSON STREET, SUITE 400
 MILWAUKEE, WISCONSIN 53202
 PHONE 414-276-7742, FAX 414-276-7603



MAP OF CITY PROPERTY
 PART OF GOVERNMENT LOTS 1, 2, + 3
 T39N, R31W, CITY OF KINGSFORD
 DICKINSON COUNTY, MICHIGAN

DRAWN M. VENNE	DATE 08/02/06	PROJECT MANAGER R. STUDEBAKER	DEPARTMENT MANAGER
FORD/KINGSFORD SITE KINGSFORD, MICHIGAN		LEAD DESIGN PROF.	CHECKED
		PROJECT NUMBER W001095	EXHIBIT A

CITY PROPERTY INCLUDES THE FOLLOWING:

STREETS 'B' AND 'C' EASEMENT AREA:

STREET 'C' (66' Right-of-way)

AN EASEMENT ACROSS PART OF GOV'T LOT 1, SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS:

Commencing at a point 33.00' east of the Northeast corner of the Sementilli Parcel, this point being the intersection of the centerline of Street 'C' and the South right-of-way line of Breitung Avenue. Thence running S00° 03' 14"W along the centerline of Street 'C' a distance of 516.5', including the land 33' on both sides of this centerline.

Containing 0.78 acres, more or less, and subject to restrictions, reservations, rights-of-way and easements of record.

STREET 'B' (60' Right-of-way)

AN EASEMENT ACROSS PART OF GOV'T LOT 1, SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS:

Commencing at a point 30.00' south of the Southeast corner of the Sementilli Parcel, this point being the centerline of Street 'B', thence running S89° 57' 26"W a distance of 211.71' to a point on a curve having a radius of 500' and a length of 139.05' and turning to the right, to a point of reverse curve, this curve having a radius of 500' and a length of 139.42' and turning to the left, to a point of tangent. Thence running S89° 57' 26"W a distance of 216.73' to a point on a curve having a radius of 500' and a distance of 291.57' and turning to the left, to a point of tangent. Thence running S56° 32' 43"W a distance of 396' including the land 30' on both sides of this centerline.

Containing 1.97 acres, more or less, and subject to restrictions, reservations, rights-of-way and easements of record.

PIPELINES EASEMENT AREA:

AN EASEMENT ACROSS PART OF GOV'T LOTS 1, 2, AND 3, FRACTIONAL SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS:

Commencing at the South 1/4 corner of Section Two (2); thence N00°03'20"W, 676.65' along the North-South 1/4 line; thence S89°56'40"W, 944.83' to the Northerly right-of-way line of the Street 'B'; thence N27°53'38"W, 230.02'; thence S62°06'22"W, 15.44' to the Pipelines Easement Area Point of Beginning #1; thence S62°06'22"W, 104.58'; thence N27°44'34"W, 409.18'; thence S62°12'37"W, 246.53'; thence S27°47'06"E, 316.47'; thence S19°29'58"W, 11.46' to a traverse line along the Easterly Bank of the Menominee River; thence N32°58'45"W, 220.42' along the traverse line; thence N72°45'16"W, 148.02' along the traverse line; thence N83°12'33"W, 117.40' along the traverse line; thence N33°32'00"W, 163.53' along the traverse line; thence N19°58'53"W, 153.61' along the traverse line; thence N04°17'19"W, 268.84' along the traverse line; thence N10°07'46"E, 132.62' along the traverse line; thence N19°04'59"E, 248.62' along the traverse line; thence N13°46'54"E, 307.03' along the traverse line; thence N19°36'05"E, 199.35' along the traverse line; thence N00°56'45"E, 106.72' along the traverse line; thence N23°21'53"W, 273.04' along the

traverse line; thence N45°01'26"W, 352.80' along the traverse line; thence N20°52'38"W, 286.49' along the traverse line; thence N24°42'47"W, 169.83' along the traverse line; thence N29°50'06"W, 170.73' along the traverse line; thence N54°35'06"W, 79.15' along the traverse line; thence leaving said traverse line N35°24'54"E, 100.00'; thence S54°35'06"E, 101.08'; thence S29°50'06"E, 201.17'; thence S22°43'45"E, 155.70'; thence S25°46'23"E, 413.05'; thence S45°15'20"E, 222.21'; thence S32°50'03"E, 58.27' thence S25°15'10"E, 268.09'; thence S10°44'52"E, 262.17'; thence N51°49'25"E, 161.40'; thence S38°10'35"E, 126.88'; thence S46°39'17"W, 203.95'; thence S00°54'08"W, 219.57'; thence S08°12'39"W, 386.17'; thence S10°56'51"E, 216.77'; thence S30°52'30"E, 160.56'; thence N75°11'05"E, 76.26'; thence N11°46'20"W, 199.84'; thence N03°12'37"W, 73.58'; thence N86°47'23"E, 40.00'; thence S03°12'37"E, 70.58'; thence S11°46'20"E, 208.65'; thence N62°12'37"E, 79.92'; thence S27°53'38"E, 408.99' to the Pipelines Easement Area Point of Beginning #1. Containing 16.49 acres, more or less, plus the land between the traverse line and the water's edge of the Menominee River and subject to restrictions, reservations, rights-of-way and easements of record.

DRAINAGE EASEMENT AREA:

AN EASEMENT ACROSS PART OF GOV'T LOT 1, FRACTIONAL SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS:

Commencing at the South 1/4 corner of Section 2; thence N00°03'20"W, 608.75' along the North-South 1/4 line of Section 2; thence S89°56'40"W, 938.56' to the Southerly right-of-way line of the Street 'B'; thence S56°32'43"W, 204.97' along the Southerly right-of-way to the Point of Beginning; thence S56°32'43"W, 362.38' along the right-of-way line extended to a traverse line along the Easterly Bank of the Menominee River; thence N06°27'15"E, 62.56' along the traverse line; thence N01°54'04"E, 14.74' along the traverse line to the Northerly right-of-way line of Street 'B' extended; thence N56°32'43"E, 319.56' along the Northerly right-of-way line extended to the Westerly right-of-way line of Street 'B'; thence S27°53'38"E, 60.29' along the Westerly right-of-way line to the Point of Beginning. Containing 0.47 acres, more or less, plus the land between the traverse line and the water's edge of the Menominee River and subject to restrictions, reservations, rights-of-way and easements of record.

MADKEN TRANSFER PROPERTY AREA:

THE PURCHASE OF A PARCEL OF LAND BEING PART OF GOV'T LOT 1, FRACTIONAL SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS:

Commencing at the South 1/4 corner of Section 2; thence N00°03'20"W, 676.65' along the North-South 1/4 line of Section 2; thence S89°56'40"W, 944.83' to the Northerly right-of-way line of the Street 'B' and the Point of Beginning; thence S56°32'43"W, 550.86' along the Northerly right-of-way and right-of-way line extended to a traverse line along the Easterly Bank of the Menominee River; thence N01°54'04"E, 81.05' along the traverse line; thence N13°05'30"W, 240.07' along the traverse line; thence N19°29'58"E, 109.49' along the traverse line and traverse line extended; thence N27°47'06"W, 316.47'; thence N62°12'37"E, 246.53'; thence S27°44'34"E, 409.18'; thence N62°06'22"E, 120.01'; thence S27°53'38"E, 230.02' to the Point of Beginning.

Containing 5.28 acres, more or less, plus the land between the traverse line and the water's edge of the Menominee River and subject to restrictions, reservations, rights-of-way and easements of record.

CITY OF KINGSFORD ACCESS EASEMENT AREA (ACCESS ROAD 'A'):

THE EASEMENT ACROSS A PARCEL OF LAND BEING PART OF GOV'T LOT 1, FRACTIONAL SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS:

Commencing at the South 1/4 corner of Section 2; thence N00°03'20"W, 676.65' along the North-South 1/4 line of Section 2; thence S89°56'40"W, 944.83' to the Northerly right-of-way line of the Street 'B'; thence S56°32'43"W, 171.02' along the Northerly right-of-way line to the Point of Beginning; thence S56°32'43"W, 60.28' along the Northerly right-of-way line; thence N27°53'38"W, 661.82'; thence N62°12'37"E, 60.00'; thence S27°53'38"E, 655.87' to the Point of Beginning.

Containing 0.91 acres, more or less, and subject to restrictions, reservations, rights-of-way and easements of record.

LIFT STATION EASEMENT AREA:

AN EASEMENT ACROSS PART OF GOV'T LOT 1, FRACTIONAL SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS:

Commencing at the South 1/4 corner of Section 2; thence N00°03'20"W, 608.85' along the North-South 1/4 line of Section 2; thence S89°56'40"W, 938.66' to the Southerly right-of-way line of the Street 'B'; thence S56°32'43"W, 175.97' along the Southerly right-of-way line to the Point of Beginning; thence S27°53'38"E, 33.00'; thence S56°32'43"W, 44.00'; thence N27°53'38"W, 39.00'; thence N56°32'43"E, 15.00' to the Westerly right-of-way line of the Street 'B'; thence S27°53'38"E, 6.00' to the Southerly right-of-way line of the Street 'B'; thence N56°32'43"E, 29.00' along the Southerly right-of-way line to the Point of Beginning.

Containing 0.04 acres, more or less, and subject to restrictions, reservations, rights-of-way and easements of record.

EXHIBIT B

CERTIFICATE OF SURVEY

PART OF GOV'T LOT 1, FRACTIONAL SECTION 2, T39N-R31W, CITY OF KINGSFORD,
DICKINSON COUNTY, MICHIGAN.

A parcel of land being part of Gov't Lot 1, Fractional Section 2, T39N-R31W, City of Kingsford, Dickinson County, Michigan described as:

LEGAL DESCRIPTION:

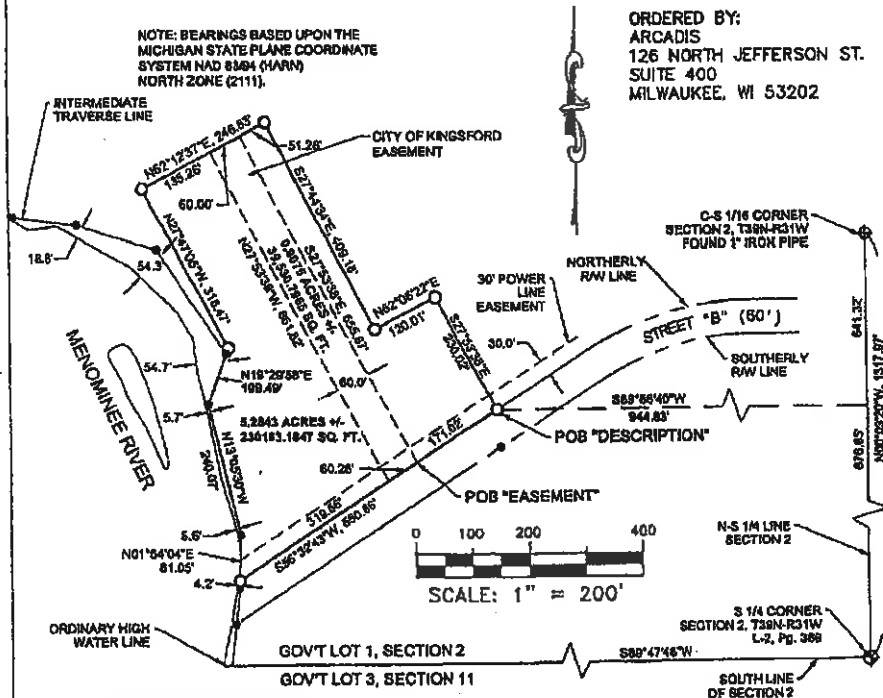
Commencing at the South 1/4 corner of Section 2; thence N00°03'20"W, 676.65' along the North-South 1/4 line of Section 2; thence S88°35'40"W, 844.83' to the Northerly right-of-way line of the proposed street "B" and the Point of Beginning; thence S56°32'43"W, 550.66' along the Northerly right-of-way and right-of-way line extended to a traverse line along the Easterly Bank of the Menominee River; thence N01°54'04"E, 81.05' along the traverse line; thence N13°05'30"W, 240.07' along the traverse line; thence N18°29'58"E, 109.48' along the traverse line and traverse line extended; thence N27°47'08"W, 316.47'; thence N82°12'37"E, 246.53'; thence S27°44'34"E, 409.18'; thence N62°05'22"E, 420.01'; thence S27°53'38"E, 230.02' to the Point of Beginning containing 5.2843 acres plus the land between the traverse line and the water's edge of the Menominee River and subject to restrictions, reservations, rights-of-way and easements of record.

CITY OF KINGSFORD EASEMENT DESCRIPTION:

Commencing at the South 1/4 corner of Section 2; thence N00°03'20"W, 676.65' along the North-South 1/4 line of Section 2; thence S88°35'40"W, 844.83' to the Northerly right-of-way line of the proposed street "B"; thence S56°32'43"W, 171.02' along the Northerly right-of-way line to the Point of Beginning; thence S56°32'43"W, 60.28' along the Northerly right-of-way line; thence N27°53'38"W, 661.82'; thence N82°12'37"E, 60.00'; thence S27°53'38"E, 655.67' to the Point of Beginning containing 0.8075 acres and subject to restrictions, reservations, rights-of-way and easements of record.

NOTE: BEARINGS BASED UPON THE MICHIGAN STATE PLANE COORDINATE SYSTEM NAD 83/04 (HARN) NORTH ZONE (2111).

ORDERED BY:
ARCADIS
126 NORTH JEFFERSON ST.
SUITE 400
MILWAUKEE, WI 53202



SURVEYOR'S CERTIFICATE

I hereby certify that I have surveyed and mapped the land above plotted and/or described on Oct. 21, 2005, and that the ratio of closure on the unadjusted field observations was $\frac{0.38}{1000}$ in 4282', and that all the requirements of P.A. 132 of 1970 as amended have been complied with.

STS Consultants, Ltd.

BY: *Steven D. Koss* DATE: 10/24/05
STEVEN D. KOSS P.S. No. 40167



LEGEND □ - Found Iron ○ - Set 5/8" Iron W.P.S. Cap M117 * - Found Concrete Monument ▽ - Set Concrete Monument ■ - RECORDED ▽ - MEASURED	DRAWN BY: SJB	JOB NO. 10092
	SCALE: 1" = 200'	SHEET 1 OF 1
DATE: 10/24/2005	REVISION	
STS Consultants, Ltd. 605 River Avenue Iron River, MI 49935 266/265-2625 1050 Wilson St. Marquette MI 49855 804/228-2328		

EXHIBIT C

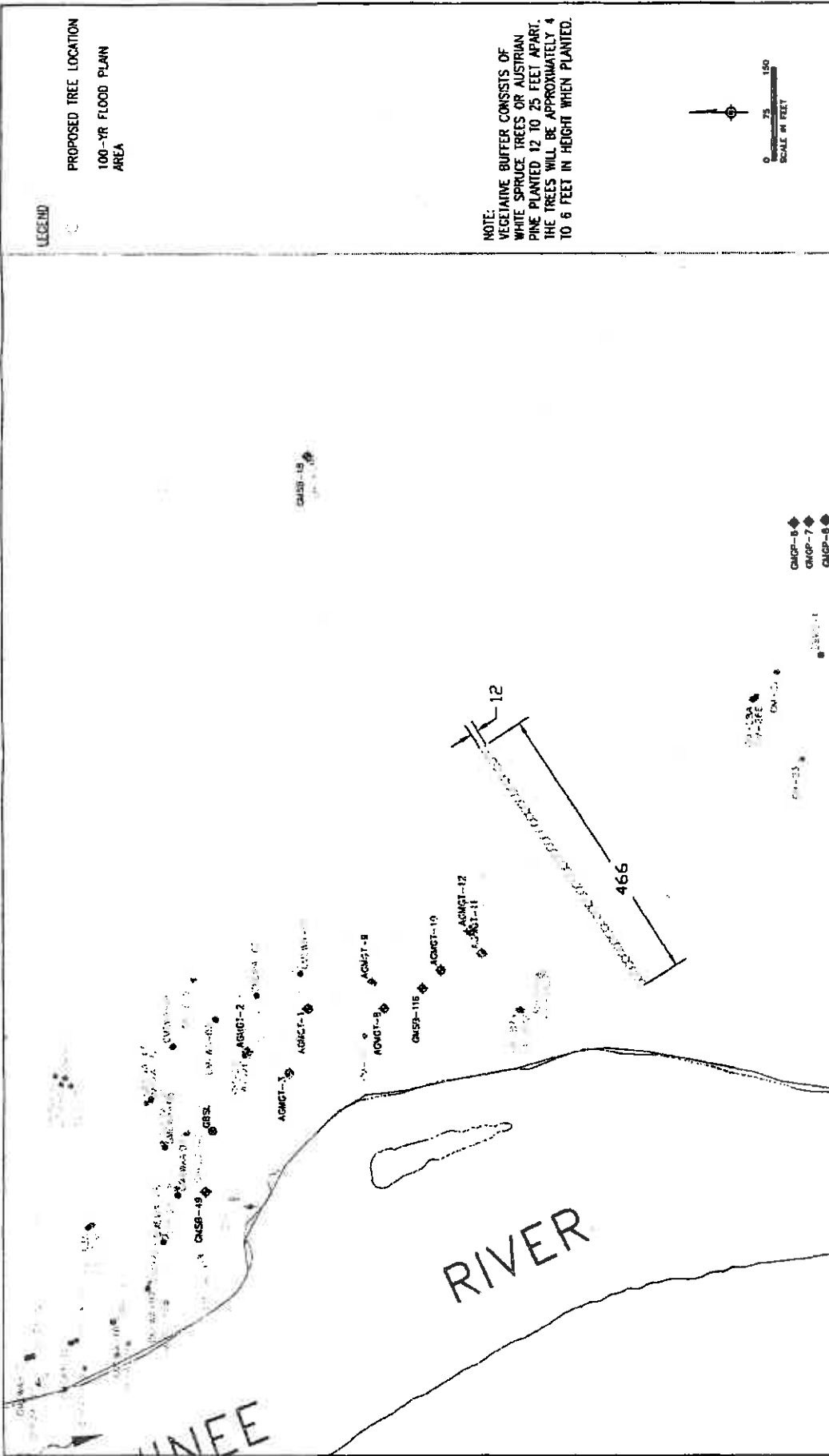
Exhibit C

Similar Facilities - Activities Associated with Normal Operation and Maintenance of the Groundwater Treatment Plant, Ford-Kingsford Products Facility, Kingsford, Michigan

The following activities are considered normal operation and maintenance activities for the continued operation of the groundwater recovery and treatment system in order to maintain compliance with the Consent Judgment between the Michigan Department of Environmental Quality (MDEQ), Ford Motor Company (Ford), and The Kingsford Products Company (KPC):

- Installation, reconfiguration/replacement, and maintenance of the following:
 - Groundwater extraction wells, piezometers, monitoring wells, and associated appurtenances (i.e. wells, vaults, stick-ups, flush mounts (as needed to replace stick-ups on the same or adjacent parcel in the event a new residential development occurs), methane vents, etc.).
 - Extraction well pumps and associated appurtenances.
 - Below grade groundwater conveyance piping and force mains, including cleanouts and cleanout vaults.
 - Electrical infrastructure, including conduits, pull boxes, electrical vaults, stanchions, and duct banks.
 - All other public and private utilities necessary for continued operation of the groundwater treatment and extraction system.
- Installation of soil borings, if necessary or required by the Consent Judgment for delineation, testing, or verification of data from existing wells, vents, etc.
- Installation of vapor control measures (passive vents, active soil vapor extraction [SVE] systems and structures, etc.) to vent methane as needed.
- Periodic monitoring and sampling of extraction wells, monitoring wells, piezometers, seep area, soil vapor monitoring points, passive vents, and active SVE systems.
- Periodic well development of extraction wells, monitoring wells, and piezometers.
- Upgrading, replacement, and maintenance of the North Pump House structure, including all facilities integral to its operations and the operation of the groundwater extraction system in accordance with the Consent Judgment.
- Repair, replacement, and maintenance of the access roads to the North Pump House, groundwater extraction wells, monitoring wells, and piezometers.

EXHIBIT D



<p>ARCADIS 138 North Jefferson Street, Suite 400 Milwaukee, Wisconsin 53202 Tel: 414-381-1000 Fax: 414-381-1001</p>		<p>FORKINGSFORD SITE KINGSFORD, MI</p>	
<p>Project Name R. ELLENBERGER</p>	<p>Scale AS SHOWN</p>	<p>Revision 01</p>	<p>Date 08/11/2011</p>
<p>Project No. W001095</p>		<p>Sheet No. D</p>	

EXHIBIT E

CITY OF KINGSFORD

305 S. Carpenter Avenue

P.O. Box 3535

Kingsford, MI 49802

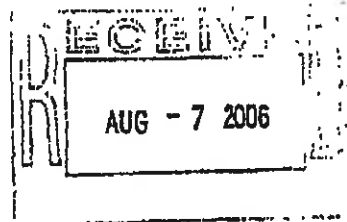
Phone: (906) 774-3526

Fax: (906) 774-7093

To: CITY OF KINGSFORD
ATTN: DARRYL WICKMAN, CITY MANAGER
PO BOX 3535
KINGSFORD MI 49802

From: DAWN MEINER
Land Division Act Administrator

Date: AUGUST 3, 2006



This letter is to inform you that the parcel, as described on the attached legal description, located in the City of Kingsford, Dickinson County, complies with the requirements of Michigan Public Act 87 of 1997, as amended. (Parcel #22052-002-028-00).

This is approval for a parcel division only, which conveys only certain rights under that State Land Division Act, P.A. 591 of 1996 and P.A. 87 of 1997, et. seq.) and does not excuse you from complying with any other statute, building code, zoning ordinance, deed restrictions or other property rights. Finally, this approval does not convey any vested rights for the parcel(s) if there are changes in any State, County or Township ordinances or regulations, and if changed, the parcels must comply with the new requirements, unless the deeds representing the approved divisions are recorded with the Dickinson County Register of Deeds prior to the effective date of any applicable regulation.

APPROVAL OF A LAND DIVISION IS NOT A DETERMINATION THAT THE RESULTING PARCELS COMPLY WITH OTHER STATE, COUNTY OR CITY ORDINANCES OR REGULATIONS.

Dawn Meiner
Land Division Act Administrator

August 3, 2006
Date

Copy to: File
Assessor
Applicant
Attorney B. Brouillette

MADKEN TRANSFER PROPERTY AREA:**THE PURCHASE OF A PARCEL OF LAND BEING PART OF GOV'T LOT 1, FRACTIONAL SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS:**

Commencing at the South 1/4 corner of Section 2; thence $N00^{\circ}03'20''W$, 676.65' along the North-South 1/4 line of Section 2; thence $S89^{\circ}56'40''W$, 944.83' to the Northerly right-of-way line of the Street 'B' and the Point of Beginning; thence $S56^{\circ}32'43''W$, 550.86' along the Northerly right-of-way and right-of-way line extended to a traverse line along the Easterly Bank of the Menominee River; thence $N01^{\circ}54'04''E$, 81.05' along the traverse line; thence $N13^{\circ}05'30''W$, 240.07' along the traverse line; thence $N19^{\circ}29'58''E$, 109.49' along the traverse line and traverse line extended; thence $N27^{\circ}47'06''W$, 316.47'; thence $N62^{\circ}12'37''E$, 246.53'; thence $S27^{\circ}44'34''E$, 409.18'; thence $N62^{\circ}06'22''E$, 120.01'; thence $S27^{\circ}53'38''E$, 230.02' to the Point of Beginning.

Containing 5.28 acres, more or less, plus the land between the traverse line and the water's edge of the Menominee River and subject to restrictions, reservations, rights-of-way and easements of record.

CITY OF KINGSFORD ACCESS EASEMENT AREA (ACCESS ROAD 'A'):**THE EASEMENT ACROSS A PARCEL OF LAND BEING PART OF GOV'T LOT 1, FRACTIONAL SECTION 2, T39N-R31W, CITY OF KINGSFORD, DICKINSON COUNTY, MICHIGAN DESCRIBED AS:**

Commencing at the South 1/4 corner of Section 2; thence $N00^{\circ}03'20''W$, 676.65' along the North-South 1/4 line of Section 2; thence $S89^{\circ}56'40''W$, 944.83' to the Northerly right-of-way line of the Street 'B'; thence $S56^{\circ}32'43''W$, 171.02' along the Northerly right-of-way line to the Point of Beginning; thence $S56^{\circ}32'43''W$, 60.28' along the Northerly right-of-way line; thence $N27^{\circ}53'38''W$, 661.82'; thence $N62^{\circ}12'37''E$, 60.00'; thence $S27^{\circ}53'38''E$, 655.87' to the Point of Beginning.

Containing 0.91 acres, more or less, and subject to restrictions, reservations, rights-of-way and easements of record.

EXHIBIT F

December 22, 2003

**MINUTES OF THE SPECIAL MEETING OF THE CITY COUNCIL OF THE CITY OF KINGSFORD,
COUNTY OF DICKINSON, AND STATE OF MICHIGAN.**

A special meeting of the Kingsford City Council was held Monday, December 22, 2003 at 6:30 p.m. in the Council room in City Hall.

Roll Call: Present: Councilman Bailey, Baldinelli, Cook, Flaminio and Zurcher.
Absent: None.

Also present were City Manager Darryl Wickman, City Attorney Bruce Brouillette, Public Works Superintendent Anthony Edlebeck, Dan Musgrove, Ric Studebaker, Dave and Steve Hodgins, Dave Schmutzler, Roger Scott and Don Okler.

The pledge of allegiance was stated.

There were no minutes, bills or Manager's report presented at this meeting.

The purpose of this meeting is to receive public comment on the request by Arcadis, G & M, Inc. for a conditional use permit in connection with the proposed construction of a new groundwater treatment facility and any other business that may come before the Council at this time.

The public hearing began with the City Manager reading aloud the notice of public hearing that was published in the local newspaper. He then stated that he received a faxed letter from Michael and Mary Moroni informing the Council that they do not oppose the City granting access to City property for the proposed groundwater treatment plant or expansion of the existing treatment plant along the Menominee River in approximately the same location as the existing groundwater treatment plant.

A motion was made by Councilman Cook and supported by Councilman Bailey to receive the letter from Michael and Mary Moroni and place it on file.
ALL AYES. NO NAYS. MOTION CARRIED.

Ric Studebaker gave a brief presentation regarding the overall effort to address contamination in the area.

Roger Scott of 248 Easton Lane asked if there would be noise and odor control associated with this proposed treatment plant.

Mayor Baldinelli asked three (3) times for public comments. There were none.

After discussion, a motion was made by Councilman Cook and supported by Councilman Flaminio to grant conditional use as requested pending input from the City Council, City Attorney, administration and legal representatives of the environmental firms.
ALL AYES. NO NAYS. MOTION CARRIED.

There being no further business, a motion was made by Councilman Cook and supported by Councilman Bailey to adjourn the meeting at 7:18 p.m.
ALL AYES. NO NAYS. MOTION CARRIED.

Appendix C

Well Prohibition Ordinances



ORDINANCE NO. 272

AN ORDINANCE PROVIDING FOR THE REGULATION AND RESTRICTION OF WELLS IN CERTAIN AREAS OF THE CITY, BY ADDING ARTICLE V, REGULATION AND RESTRICTIONS OF WELLS TO CHAPTER 16 OF THE KINGSFORD CITY CODE.

The City of Kingsford Ordains:

Section 16-131: PURPOSES. The purposes of this Ordinance are i) to provide for the protection of the public health, safety, and welfare in connection with the use of groundwater within the Restricted Zone in the City of Kingsford, ii) to prevent exposure of Persons to groundwater Contamination in the Restricted Zone which exceeds applicable state or federal criteria; iii) to prevent exposure of Persons to methane or methane accumulations in the Restricted Zone above applicable state or federal criteria, and iv) to prevent the capture, exacerbation, spreading or migration of hazardous substances (which exceed applicable state or federal criteria) in groundwater in the Restricted Zone by the installation and use of Wells, as defined below.

Section 16-132: DEFINITIONS. When used in this Ordinance, the following terms shall have the meanings set forth below:

(a) "Contaminated" or "Contamination" means hazardous substances in concentrations in groundwater within the Restricted Zone that exceed any residential drinking water criteria established by the Michigan Department of Environment Quality (MDEQ) in rules pursuant to Part 201, Environmental Remediation, or Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

(b) "MDEQ" means the Michigan Department of Environment Quality or its successor agency.

(c) "Included Premises" shall mean a parcel of property any part of which is located within the Restricted Zone.

(d) "Person" means any individual, partnership, corporation, association, club, joint venture, estate, trust, and any other group or combination acting as a unit.

(e) "Restricted Zone" shall mean an area described as follows:

All that area lying in Sections One (1), Two (2), Eleven (11) and Twelve (12), Town 39 North, Range 31 West, City of Kingsford, County of Dickinson, Michigan, described as the following:

Beginning at a point approximately 353 feet west of the centerline intersection of North Pyle Drive with Woodward Avenue; thence south to the intersection with the Menominee River; thence southeasterly, south, southeasterly, and east meandering along the northerly shoreline of the Menominee

River until an intersection of the north bank of the Menominee River with the east side of Balsam Street projected to the Menominee River; thence north along the east of Balsam Street to the southeast corner of the intersection of Balsam Street with Hoadley Avenue; thence east along the southern side of Hoadley Avenue to the southeast corner of the intersection of Hoadley Avenue with Fox Drive; thence northeast along the east side of Fox Drive to the intersection of Fox Drive with Hooper Street; thence north along the centerline of Hooper Street to the intersection of Hooper Street with East Boulevard; thence west along the centerline of East Boulevard to the intersection of East Boulevard with North Boulevard; thence north along the centerline of North Boulevard to the intersection of North Boulevard with Pyle Drive; thence west along the centerline of Pyle Drive to the intersection of Pyle Drive with Balsam Street; thence north along the centerline of Balsam Street to the intersection of Balsam Street with Woodward Avenue, thence west along the centerline of Woodward Avenue to a point approximately 500 feet east from the intersection of the centerline of Westwood Avenue with Woodward Avenue; thence north approximately 350 feet; thence west approximately 1,000 feet along a line parallel with Woodward Avenue; thence south approximately 350 feet to the centerline of Woodward Avenue; thence west along the centerline of Woodward Avenue to the beginning point.

A map of the "Restricted Zone" is attached as Figure 1.

(f) "Well" means an opening in the surface of the earth for the purpose of removing water from the ground through non-mechanical or mechanical means for any purpose other than i) obtaining groundwater as part of a response action consistent with the Michigan Natural Resources and Environmental Protection Act of 1994, as amended, ("NREPA"), or ii) removal of wastewater from a septic tank.

Section 16-133: PROHIBITION OF INSTALLATION AND USE OF WELLS WITHIN RESTRICTED ZONE. Unless an exception is issued to a Person under Section 16-134 of this Ordinance, no Person shall allow, permit, maintain, install, use, or have available for use a Well on any Included Premises.

Section 16-134: EXCEPTIONS. The City Manager may, upon written application to the City Manager by a Person, issue a written exception which authorizes a Person to allow, permit, maintain, install or use a well in the Restricted Zone which would otherwise qualify as a Well but for the exception issued by the City Manager. No exception shall be issued unless the exception is consistent with:

- (a) the protection of the public health, safety and welfare in connection with the use of groundwater within the Restricted Zone,
- (b) the prevention of exposure of Persons to Contamination in the Restricted Zone or to hazardous substances in groundwater which exceed criteria established, specified or provided for in or pursuant to any final order, judgment or consent decree to which the MDEQ is a party, whichever applies in the Restricted Zone.
- (c) the prevention of exposure of Persons to methane or methane accumulations in the Restricted Zone above statewide criteria, or criteria established, specified or provided for in or pursuant to any final order, judgment or consent decree to which the MDEQ is a party, whichever applies in the Restricted Zone.
- (d) the prevention of exacerbation of Contamination, spreading Contamination, and cross Contamination between saturated zones.
- (e) the prevention of any interference with any environmental response action with respect to Contamination.

The Person applying for an exception shall submit a written due care analysis consistent with due care requirements in Part 201 of NREPA to the City Manager as part of that Person's application. The City Manager shall include compliance with due care conditions in any exception issued.

Prior to making a decision on a Person's application for an exception, the City Manager shall consult with the MDEQ and with any Persons performing environmental response actions with respect to the Contamination. The City Manager may request that any Person performing environmental response actions with respect to Contamination provide technical and other assistance to the City Manager in connection with the City Manager's review of and determinations made regarding the application for an exception. If the City Manager issues an exception, such exception may be issued subject to conditions imposed by the City Manager to assure that such exception is consistent with this Ordinance. If a Person is aggrieved by any decision by the City Manager regarding an application for an exception or any conditions in an issued exception, then such Person may submit a written request to the City Council for review of such decision. The aggrieved Person may submit written or oral information and statements to the City Council and the City Council shall affirm, modify or overturn such decision by the City Manager.

Section 16-135: VIOLATION OF EXCEPTION CONDITIONS. No Person shall violate any condition specified in a written exception issued by the City Manager to such Person under Section 16-134 of this Ordinance.

Section 16-136: WELL ABANDONMENT. A survey of existing wells within the Restricted Zone has been conducted prior to the effective date of this ordinance by Ford Motor Company and The Kingsford Products Company. All Wells within the Restricted Zone have been properly abandoned as of the effective date of this Ordinance in accordance with either the American Standards for Testing and Materials (ASTM) Standard #D5299-99 (non-drinking water wells) or the Groundwater Quality Control Act Part 127, 1978 PA 368 (drinking water wells).

Section 16-137: CITY INSPECTIONS; ENFORCEMENT. When the City determines that a violation of this Ordinance exists, the City Manager shall notify by appropriate means the Persons who are the owners or occupants of the Included Premises where such violation has been so determined to exist of the existence of the violation and that the Person or Persons must terminate such violation. A copy of the notice of violation shall also be provided to the County Health Department.

Section 16-138: NOTICE TO COUNTY HEALTH DEPARTMENT. Within seven (7) days after the effective date of this Ordinance, the City shall provide to the County Health Department a copy of this Ordinance.

Section 16-139: MODIFICATION OR REPEAL OF THIS ORDINANCE; NOTICE TO MDEQ. In the event this Ordinance is considered for modification or repeal by the City, where said modification or repeal will allow the installation or use of Wells in the Restricted Zone, this Ordinance shall not be modified or repealed except upon 30 days' prior written notice to MDEQ.

Section 16-140: PENALTY, REMEDIES.

Section 16-140.1: CIVIL INFRACTION. Any Person violating this Ordinance shall be liable for a civil infraction and each day that the violation continues to occur shall be a separate offense.


Section 16-140.2: INJUNCTIVE RELIEF. The City may further enforce this Ordinance by action seeking injunctive relief in a court of competent jurisdiction against a Person in violation of this Ordinance. In such an action the City shall be awarded its costs, damages, and actual attorney fees if the City establishes that such Person was in violation of this Ordinance.

Section 16-140.3: PUBLIC NUISANCE. A violation of this Ordinance is hereby declared to be a public nuisance and shall be abated by immediately taking the Well out of service and properly abandoning and closing it. The City may seek abatement of such public nuisance in a court of competent jurisdiction and, in such action, recover its costs, damages, and actual attorney fees.

Section 16-141: REPEAL; SEVERABILITY. All provisions/sections of any City of Kingsford Ordinances heretofore adopted, inconsistent with the provisions of this Ordinance are hereby repealed. In the event any part of this Ordinance is finally determined to be invalid or unenforceable by a court of competent jurisdiction, then said determination shall not affect the validity of the remaining provisions. The City shall promptly notify MDEQ upon the occurrence of any event described in the preceding sentence.

Section 16-142: EFFECTIVE DATE. This Ordinance shall become effective twenty-one (21) days after its adoption.

ADOPTED: 8/15/11



Paul Novara
Mayor

EFFECTIVE: 9/5/11



Darryl K. Wickman
City Clerk/Manager

070511h.pso

DRAFTER: LMB

APPROVED:

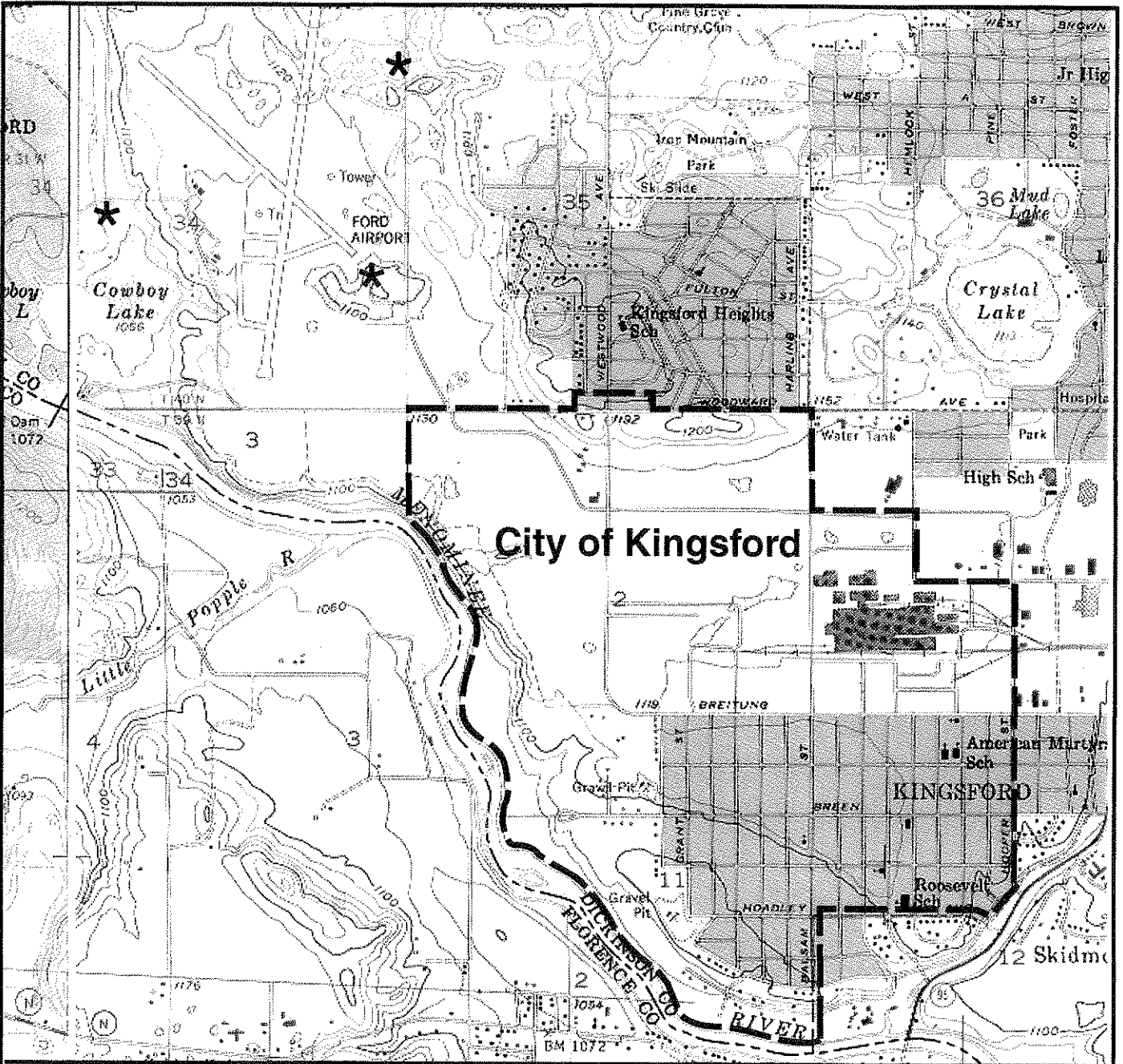
CHECKED: RLS

DRAWING: SITELOC CITY OF KINGSFORD.A1

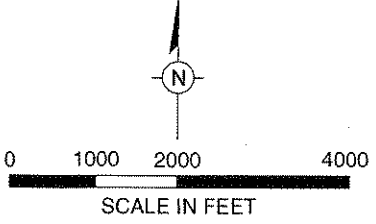
FILE NO.: GRAPHICS

PN: FORD\W0637C.J2011

DWG DATE: 11 JULY 11



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982



- Restricted Zone
- *** Kingsford City Supply Well



RESTRICTED ZONE
 FORD-KINGSFORD PRODUCTS
 KINGSFORD, MICHIGAN

FIGURE
1

ORDINANCE NO. 1 of 2011
AN ORDINANCE OF BREITUNG TOWNSHIP
RESTRICTING WELLS

AN ORDINANCE PROVIDING FOR THE REGULATION AND RESTRICTION OF WELLS IN CERTAIN AREAS OF THE TOWNSHIP, BY ADDING REGULATION AND RESTRICTIONS OF WELLS TO SECTION 52 OF THE CHARTER TOWNSHIP OF BREITUNG CODE OF ORDINANCES.

Breitung Township Ordains:

Section 1: **APPLICABILITY.** This Ordinance applies only to the "Restricted Zone," the area depicted in Figure 1 and described as follows:

All that area lying in Section Twelve (12), Town 39 North, Range 31 West, Breitung Township, County of Dickinson, Michigan, described as the following:

Beginning at a point at the southwest corner of the intersection of Hooper Street and Fox Drive; thence approximately 600 feet southwest along the east side of Fox Drive until it intersects with the southeast corner of the intersection of Fox Drive and Hoadley Avenue; thence approximately 2,200 feet northwest and west along the south side of Hoadley Avenue until it intersects with the southeast corner of the intersection of Hoadley Avenue and Balsam Street; thence approximately 1,660 feet south on the east side of Balsam Street to the end of Balsam Street, and continuing on a similar azimuth until the intersection with the Menominee River; thence approximately 1,200 feet east along the north shoreline of the Menominee River to the intersection with Highway M-95 (Carpenter Road); thence approximately 2,200 feet northeast along the west side of Highway M-95 to a point directly south of the beginning point; thence approximately 230 feet north to the beginning point at the southwest corner of the intersection of Hooper Street and Fox Drive.

The Restricted Zone was the subject of environmental response activities by Arcadis U.S., Inc., on behalf of Ford Motor Company and The Kingsford Products Company.

Section 2: **PURPOSES.** The purposes of this Ordinance are: i) to provide for the protection of the public health, safety, and welfare in connection with the use of groundwater within the Restricted Zone in Breitung Township, ii) to prevent exposure of Persons to groundwater Contamination in the Restricted Zone which exceeds applicable state or federal criteria, iii) to prevent exposure of Persons to methane or methane accumulations in the Restricted Zone above applicable state or federal criteria, and iv) to prevent the capture, exacerbation, spreading or migration of hazardous substances (which exceed applicable state or federal criteria) in groundwater in the Restricted Zone by the installation and use of Wells, as defined below.

Section 3: **DEFINITIONS.** When used in this Ordinance, the following terms shall have the meanings set forth below:

- (a) "Contaminated" or "Contamination" means hazardous substances in concentrations in groundwater within the Restricted Zone that exceed any residential drinking water criteria established by the Michigan Department of Environment Quality (MDEQ) in

rules pursuant to Part 201, Environmental Remediation, or Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

- (b) "MDEQ" means the Michigan Department of Environment Quality or its successor agency.
- (c) "Included Premises" shall mean a parcel of property any part of which is located within the Restricted Zone.
- (d) "Person" means any individual, partnership, corporation, association, club, joint venture, estate, trust, and any other group or combination acting as a unit.
- (e) "Saturated Zone" means soil or rock below the ground surface which is below the water table and which has water filling the pore spaces.
- (f) "Well" means an opening in the surface of the earth for the purpose of removing water from the ground through non-mechanical or mechanical means for any purpose other than i) obtaining groundwater as part of a response action consistent with the Michigan Natural Resources and Environmental Protection Act of 1994, as amended, ("NREPA"), or ii) removal of wastewater from a septic tank.

Section 4: PROHIBITION OF INSTALLATION AND USE OF WELLS WITHIN RESTRICTED ZONE. In addition to the prohibition of private wells pursuant to Breitung Township Ordinance 52.004, no person in the Restricted Zone, whether in a platted or unplatted area, shall allow, permit, maintain, install, use, or have available for use a Well on any Included Premises.

Section 5: WELL ABANDONMENT. A survey of existing wells within the Restricted Zone has been conducted prior to the effective date of this ordinance by Ford Motor Company and The Kingsford Products Company. According to the best knowledge of Arcadis U.S., Inc., on behalf of Ford Motor Company and The Kingsford Products Company, all Wells within the Restricted Zone have been properly abandoned as of the effective date of this Ordinance in accordance with the American Standards for Testing and Materials (ASTM) Standard #D5299-99 (non-drinking water wells) or the Groundwater Quality Control Act Part 127, 1978 PA 368 (drinking water wells).

Section 6: TOWNSHIP INSPECTIONS; ENFORCEMENT. When the Township determines that a violation of this Ordinance exists, the Township Superintendent shall notify by appropriate means the Persons who are the owners or occupants of the Included Premises where such violation has been so determined to exist of the existence of the violation and that the Person or Persons must terminate such violation.

Section 7: NOTICE TO COUNTY HEALTH DEPARTMENT. Within seven (7) days after the effective date of this Ordinance, the Township shall provide to the County Health Department a copy of this Ordinance.

Section 8: MODIFICATION OR REPEAL OF THIS ORDINANCE; NOTICE TO THE MDEQ. In the event this Ordinance is considered for modification or repeal by the Township, where said modification or repeal will allow the installation or use of Wells in the Restricted Zone, this Ordinance shall not be modified or repealed except upon 30 days' prior written notice to the MDEQ.

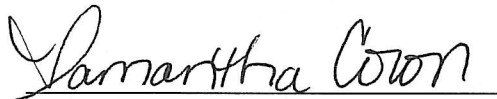
Section 9: PENALTY. Any person violating this Ordinance shall be liable for a civil infraction and each day that the violation continues to occur shall be a separate offense. The Township may enforce

this Ordinance by any means available pursuant to Section 32.01(E)(2) of the Code of Ordinances, including through an action seeking injunctive relief in a court of competent jurisdiction against a Person in violation of this Ordinance. In such an action the Township shall be awarded its costs, damages, and actual attorney fees if the Township establishes that such a Person was in violation of this Ordinance. A violation of this Ordinance is hereby declared to be a public nuisance and shall be abated by immediately taking the Well out of service and properly abandoning and closing it. The Township may seek abatement of such public nuisance in a court of competent jurisdiction and, in such action, recover its costs, damages, and actual attorney fees.

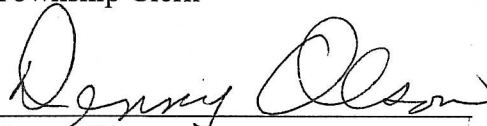
Section 10: SEVERABILITY. In the event any part of this Ordinance is finally determined to be invalid or unenforceable by a court of competent jurisdiction, then said determination shall not affect the validity of the remaining provisions. The Township shall promptly notify the MDEQ upon the occurrence of any event described in the preceding sentence.

Section 11: EFFECTIVE DATE. This Ordinance shall become effective twenty-one (21) days after its adoption.

I, Samantha Coron, hereby certify that the above Ordinance NO. 1 Of 2011 is an ordinance providing for the regulation and restriction of wells in certain areas of the township, by adding regulation and restrictions of wells to Section 52 of The Charter Township of Breitung code of ordinances. THIS ORDINANCE SHALL BE CALLED ORDINANCE OF BREITUNG TOWNSHIP RESTRICTING WELLS for the Charter Township of Breitung, Dickinson County, Michigan, and is a true and complete copy of the Ordinance adopted by the Charter Township of Breitung Board on December 28, 2011 at a meeting held in the Breitung Township Hall at 7:00 p.m.



Samantha Coron
Township Clerk



Denny Olson
Breitung Township Supervisor

Date of Publication before adoption: October 7, 2011

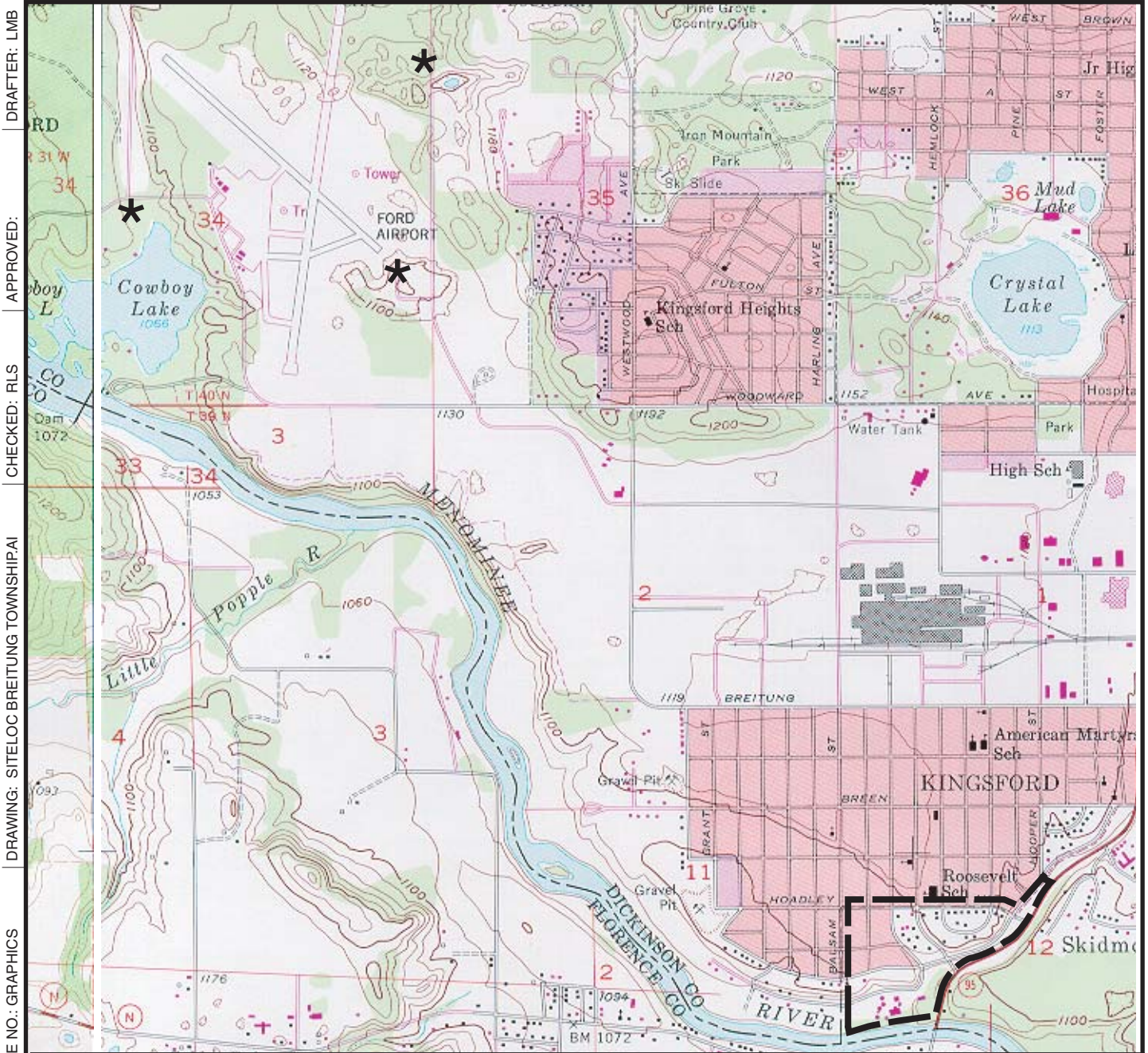
Name of Newspaper: The Daily News

Date of Passage: December 28, 2011

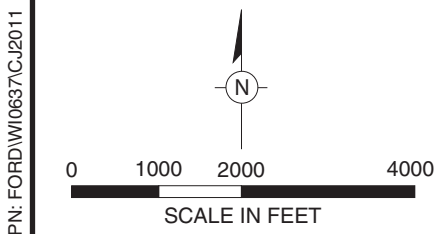
Date of Publication after adoption: January 2, 2012

Name of Newspaper: The Daily News

Trustee Garrett:	Aye
Trustee Erickson:	Absent
Trustee Gaudette:	Aye
Trustee Dixon:	Aye
Treasurer Cahee:	Aye
Clerk Coron:	Aye
Supervisor Olson:	Aye



SOURCE: USGS 7.5 Minute Topographic Map, IRON MOUNTAIN, MICHIGAN Quadrangle, 1955 Photorevised 1982



- Breitung Township Restricted Zone**
- * Kingsford City Supply Well**



RESTRICTED ZONE

FORD-KINGSFORD PRODUCTS
KINGSFORD, MICHIGAN

FIGURE
1

FILE NO.: GRAPHICS | DRAWING: SITELOC BREITUNG TOWNSHIP | CHECKED: RLS | APPROVED: | DRAFTER: LMB
 DWG DATE: 19AUG11 | PN: FORD\WI0637\CJ2011

Attachment 1

Standard Contingent Venting Procedures



Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE

STANDARD CONTINGENT VENTING PROCEDURES

(This document replaces the Standard Contingent Work Plan – Pressure Control Systems that was submitted to MDEQ on December 16, 2004, revised February 2, 2012)

1. GENERAL

The purpose of the Standard Contingent Venting Procedure is to present the procedures for evaluating and addressing locations in the Area of Concern (AOC) where methane gas in the vadose zone is detected at or above 1.25 percent by volume (hereafter referred to as methane) and the source of the gas is attributable to the historic Ford-Kingsford Products Facility.

2. STANDARD PROCEDURES

If methane is detected at or above 1.25 percent by volume in the vadose zone within the AOC, Ford/KPC will proceed with the implementation of any necessary sections of this plan.

- As soon as practicable, confirm the discovery of methane.
- If applicable, the *Emergency Response and Evacuation Procedures for Occupied Structures* dated April 2016 will be implemented where appropriate (Methane Response Activity Plan Attachment 2).
- Within 24 hours of a newly confirmed discovery of methane, Ford/KPC will ensure that all adjacent property owners or tenants are contacted and offered a safety inspection of all above and below ground structures on the respective property per the *Building Inspection Procedure* dated March 2016 (Methane Response Activity Plan Attachment 4). In addition, the Michigan Department of Environmental Quality will be notified of the discovery.
- Within 72 hours of the confirmed discovery of methane, a plan will be developed for a site-specific soil investigation to delineate the extent of methane in the subsurface and to evaluate what type of control measure will be implemented. Elements of the investigation may include: (1) monitoring of nearby soil vapor probes, if present, for the presence of methane; (2) conducting a punch bar survey to determine if methane is present in the shallow subsurface and if so, to determine its lateral extent; (3) installation of a soil vapor probe/boring to determine the vertical extent of the methane in the deeper portions of the vadose zone, below depths reached by the punch bar survey; and (4) installation of soil vapor probes/borings to delineate the lateral extent of the methane in the deeper vadose zone.
- Within 14 days of the confirmed discovery of methane in the vadose zone, Ford/KPC will develop and implement a plan for ongoing monitoring and/or appropriate additional control measures. Control measures that may be implemented include, but are not limited to, venting/pressure control by active

Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE

or passive measures, including the installation of passive vents, installation and operation of a temporary soil vapor extraction system, or operation of an appropriate monitoring, air-exchange system, or similar continuously operating device/equipment. The methane and soil vapors extracted from the subsurface will be vented to the atmosphere in accordance with the existing air permit.

- The control measures may be expanded, modified or terminated as needed based on the monitoring results and effectiveness of the control measures in addressing the methane.

Following implementation of the control measures, the following parameters may be periodically measured:

- Vacuum/pressure
- Methane (CH₄)
- Carbon dioxide (CO₂)
- Oxygen (O₂).

Field measurements of the concentrations of CH₄, CO₂, and O₂ will be collected using a LandTec portable vapor analyzer or an appropriate alternative. The vacuum/pressure induced at nearby soil vapor probes may be measured, if applicable, using a manometer or another appropriate measuring device. If applicable, the flow rate of soil vapor through the pressure control system will be measured using a venturi style flow meter, a Dwyer Visi-Float® style flow meter, or another similar type depending on field conditions.

Once methane levels in the subsurface decline below 1.25 percent by volume, the control measures may be discontinued. If the monitoring results indicate that methane has rebounded to 1.25 percent by volume in the vadose zone, control measures will be restarted or other appropriate control measures may be implemented. Control measures may be shut down intentionally for brief periods to better understand site-specific conditions. These evaluations could occur for reasons such as determining the generation rate of the methane in the area and/or determining the source of the methane in the area. Upon completion of these evaluations, appropriate long-term (if needed) control measures/monitoring may be implemented.

These procedures will be implemented in accordance with the Methane Response Activity Plan for the Ford-Kingsford Products Facility.

Attachment 2

Emergency Response and Evacuation Procedures for Occupied Structures



*Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE*

EMERGENCY RESPONSE AND EVACUATION PROCEDURES FOR OCCUPIED STRUCTURES

(This document replaces all previous versions, including the Interim Response Activity Work Plan, 1998, revised February 2, 2012)

IMPLEMENTATION OF EMERGENCY RESPONSE PROCEDURES

Ford Motor Company and The Kingsford Products Company (Ford/KPC) will investigate all reports of methane detector alarms (10 to 20 percent lower explosive limit (LEL) alarm range) and reports of concentrations of methane greater than 10 percent of the LEL in a structure within the identified area of concern. A building inspection will be completed and Kingsford Public Safety or Breitung Township Fire Department along with the Michigan Department of Environmental Quality will be notified in all instances where methane is detected inside a structure. If concentrations of methane inside a structure are confirmed, in accordance with the established *Building Inspection Procedure* dated March 2016 (Methane Response Activity Plan Attachment 4), Ford/KPC will proceed with the implementation of any necessary sections of this plan.

If at any time the source of the gas is determined to be from a utility, the investigation and response activities will be the responsibility of the appropriate entity.

EMERGENCY ACTION LEVELS/EVALUATIONS

If methane is found within a structure at levels between 10 and 20 percent LEL (0.5 and 1.0 percent methane by volume), persons may occupy the building with constant monitoring of the area. Implement passive venting measures through opening all windows and doors, and if necessary, use fans or blowers and force fresh air into the building to reduce the levels of methane to below 10 percent LEL. If venting alone does not reduce the methane, additional corrective measures may be necessary.

If methane is found within the structure in excess of 20 percent LEL (1.0 percent methane by volume), Ford/KPC will seek assistance from local authorities with a recommendation to evacuate all personnel, except those trained and equipped to eliminate the hazard. The above ventilation methods will be applied until the methane level is maintained below 10 percent LEL. If venting alone does not reduce the methane, additional corrective measures may be necessary.

If the methane concentration in a structure is at 100 percent of the LEL or greater (5.0 percent methane by volume or greater), a potential explosion hazard exists. All building occupants must evacuate immediately. Building occupants will be instructed to not flip any light switches on or off or make any phone calls inside the building. Note: if fans or blowers are used inside the building where the methane concentration is at 100 percent LEL, they must be fitted with explosion-proof (xp) motors.

If methane gas is detected above 10 percent LEL, a building inspection will be completed to assist in determining the source and entry point of the gas. If methane is potentially from a utility, the local gas company will be contacted to assist in confirming the source. Under normal conditions, mercaptans are

Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE

added to utility gas to produce a pungent sulfur-like odor; however, if the leak is below the surface or located at a distance from the structure, this odor may not be detectable.

If the source of the gas is not from inside the structure, a punch bar survey will be conducted to determine if methane is present in shallow soils adjacent to the structure and determine the area where the highest concentrations of methane are located. If methane concentrations exceed 25 percent LEL (1.25 percent by volume) and are associated with the Ford-Kingsford Products Facility required response activities, corrective action venting procedures will be implemented per the *Standard Contingent Venting Procedure* dated April 2016 (Methane Response Activity Plan Attachment 1).

CORRECTIVE MEASURES

If methane gas is detected inside a structure above 10 percent LEL, corrective measures are required to reduce the methane levels. A summary of potential measures that may be implemented include:

- Passive venting - open windows and doors and allow fresh air to enter the structure.
- Seal any cracks or other openings which may be entry routes for sub-surface methane using polyurethane caulk or other appropriate materials.
 - Re-monitor after sealing to ensure the opening where methane was determined to be entering has been completely sealed. However, do not conduct re-monitoring until the sealant has cured, since the solvents in the sealing material may produce a false reading for methane.
 - Visually inspect and re-monitor the sealed locations during each routine inspection. Re-seal and re-monitor as necessary.
- If passive venting and sealing procedures are not sufficient to maintain methane levels inside the structure below 10 percent LEL (0.5 percent methane by volume) additional measures will be taken. Additional measures that may be implemented include:
 - Positive pressure fans installed and operated to provide additional ventilation (see previous note for xp requirements).
 - Design and installation of a vapor control system for the affected structure.
 - Continuous methane monitors within the building, where appropriate. Methane detectors shall be capable of notifying the occupants if methane levels reach between 10 and 25 percent LEL. Detectors shall be of a catalytic, infrared or other approved type and shall be maintained per the manufacturer's recommendations. Detectors shall be located near the ceiling of the lowest level of the structure and shall have sufficient alarm capabilities to notify occupants of the building that evacuation is recommended.
 - Installation of soil vapor probes around the perimeter of the structure.

*Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE*

- Installation and operation of a soil vapor extraction system.

The above corrective measures may be implemented singly or in combination to address specific needs. Corrective measures will be implemented and monitoring of the structure will be completed until stable methane levels decrease below 10 percent LEL.

EVACUATION PLAN FOR OCCUPIED STRUCTURES

If methane inside a structure is detected above 20 percent LEL, Ford/KPC will seek assistance from local authorities with a recommendation to evacuate all persons (except those necessary to eliminate the hazard) from such structures until the methane inside the structure can be reduced to below 10 percent LEL.

If after 12 hours Ford/KPC determines that methane inside a residential structure or a full-time health care facility cannot be reduced to below 10 percent LEL, Ford/KPC will fund and make arrangements to temporarily relocate residents evacuated from their principal residence. Residents will be allowed to return to the structure once corrective measures have lowered the methane levels to below 10 percent LEL and the local authority in charge has determined it is safe for the residents to return to the structure.

If after 5 days Ford/KPC determines that methane inside a commercial structure or school cannot be reduced to below 10 percent LEL, Ford/KPC will fund and make arrangements to locate alternate accommodations for the school/commercial activities until methane levels in the affected structure can be reduced to below 10 percent LEL.

EMERGENCY CONTACT LIST

Ford/KPC will maintain an updated emergency contact list with names and phone numbers for personnel from ARCADIS, Ford/KPC, Kingsford Public Safety, City of Kingsford, Breitung Township and the Michigan Department of Environmental Quality, the Methane Emergency Contact Personnel and Telephone Listing (Methane Response Activity Plan Attachment 5).

These procedures will be implemented in accordance with the Methane Response Activity Plan for the Ford-Kingsford Products Facility.

Attachment 3

Guidelines for Vapor Control System Installation



*Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE*

GUIDELINES FOR VAPOR CONTROL SYSTEM (VCS) INSTALLATION

(This document replaces the Guidelines for Vapor Control System Installation dated January 21, 2005, revised February 2, 2012)

1. GENERAL

The VCS is designed to provide protection to structures from the potential for the accumulation of methane from non-utility subsurface sources. This document provides general guidelines for the design and installation of a VCS; however, the unique configuration of each home and the preferences of each homeowner may dictate deviations from this plan. In addition, based on the structure location within the Area of Concern, slight modifications to the standard design will be implemented to maximize efficiency.

2. STANDARD DESIGN OF A VCS FOR EXISTING STRUCTURES

For existing structures with concrete floor slabs, the standard VCS design will typically consist of a 3-inch diameter polyvinyl chloride (PVC) pipe or equivalent, extending from just below the bottom of the concrete floor slab through a hole in the floor to the outside of the structure and either terminating with a 4-inch wind turbine or rain cap above the roof line of the structure. For existing structures with a crawl space or dirt floor, the standard design will typically include placement of a layer of polyethylene sheeting or equivalent across the crawl space or dirt floor and installation of the extraction piping beneath it. Alternative designs may be required based on site-specific conditions encountered during installations.

2.1 Gathering Information about the Structure

The first step for determining the design of the VCS is to create a floor map. The floor map should include at a minimum the following information

- The floor plan of the lowest level.
- The foundation type(s) and whether a concrete slab is present.
- The location of areas requiring sealing including cracks, pipe penetrations, plumbing rough-ins, sumps, open block cores, and baseboard drainage.

This information will be helpful in planning the routing of the VCS piping and identifying areas that will need to be sealed.

*Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE*

2.2 Backdrafting Check

Prior to VCS installation, test all combustion appliances for backdrafting to document pre-existing conditions. Testing is conducted by checking for flue gas spillage near the vent hood. High efficiency combustion appliances can be identified by the presence of PVC vent pipes and do not need to be checked for backdrafting. If backdrafting is occurring, advise the owner of the situation. The necessary repairs should be completed by the owner prior to VCS installation work.

2.3 VCS Design

Determine the preferred location for the extraction point(s) and piping considering the following factors:

1. Lowest level floor plan
 - a. When possible, choose a pipe routing that is out of the way and easily accessible.
 - b. When possible, choose an extraction point for each separate foundation. Each home addition will typically have a separate foundation.
 - c. The permeability of the soil under the slab and the size of a slab should also be considered in determining the number of extraction points that are installed. The approximate soil permeability may be determined by visually inspecting the soil removed from an extraction point during installation.
2. Exterior facade
 - a. Identify the best location to exit the structure with the pipe, and locate the extraction point(s) as near as possible to that location.
 - b. Avoid exiting the front of the structure with the piping.
 - c. Piping may be routed through an attached garage.
3. Termination point location
 - a. Should be above the eave of the roof.
 - b. Should be at least 10 feet above ground level.
 - c. Should be at least 2 feet above or 10 feet away from any windows or other openings into the structure.

*Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE*

- d. Should be at least 10 feet from any openings to adjacent buildings.

Discuss extraction point locations and pipe routing with homeowner and adjust the design as necessary. Document homeowner approval of the final design.

2.4 VCS Installation

Prior to conducting any drilling, perform an evaluation of the location of any sub-slab utilities. When drilling, drill just through the slab and no deeper to avoid impacting any potential unidentified utilities.

If any deviations from the homeowner approved design are found to be necessary during construction, obtain homeowner approval prior to proceeding with the deviation.

At the design extraction point location, drill a 3 ½ or 4 inch diameter hole. Remove all concrete dust from the opening.

Use a methane measuring instrument to monitor the extraction point opening created in the slab for the presence of methane. Record the instrument reading in the field notes.

Place the PVC piping into the extraction point to a depth no deeper than the bottom of the floor slab. Use polyurethane caulk to seal between the pipe and the concrete slab. If the extraction point is placed in a crawlspace, a piece of slotted piping or tubing (drain tile material may be used) may be attached to the end of the pipe to prevent the polyethylene membrane, to be placed over the piping, from blocking the pipe entrance. Slab-on-grade extraction points may be installed either through the slab from the interior of the structure or through the frost wall from the exterior of the structure. If no frost wall is present, the extraction point may be installed by extending the piping approximately 12 inches under the slab from the exterior.

All joints in the PVC piping shall be sealed using PVC cement. If multiple extraction points are used, all of the piping coming from the extraction points should combine at one main header pipe prior to exiting the structure when possible. All piping runs shall slope back towards the extraction points for potential condensate drainage. Label the interior piping.

When the extraction point is installed in a basement or crawl space, the piping may exit the basement at the level of the floor joists. Seal around the siding penetration with polyurethane caulk or equivalent. Attach the exterior piping to the side of the structure using pipe clamps. Penetrate through the roof, if necessary, and install flashing at this penetration. A four-inch wind turbine or rain cap will be attached to a PVC coupling at the top of the piping with sheet metal screws. Paint exterior PVC piping to match the color of the home and provide ultraviolet protection.

*Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE*

The piping may also be installed from the basement, slab-on-grade, or crawlspace up through a first floor closet or pipe chase and exit through the roof or exit through an attached garage. When penetrating the garage wall or any other fire-rated walls, an intumescent material should be installed around the penetration per the manufacturer's requirements to maintain the fire rating of the wall.

All work shall be installed per all applicable code requirements.

3. STANDARD DESIGN OF A VCS FOR NEW CONSTRUCTION

For new structures that are being constructed with a concrete slab foundation (i.e. basement or slab-on-grade), the standard VCS design will typically consist of a soil vapor collection trench, permeable material layer, or vapor collection mat to be installed prior to pouring the floor slab. The piping within the trench or other collection layer will typically be connected to a 3-inch diameter PVC pipe or equivalent, extending to the outside of the structure and terminating with a 4-inch wind turbine or rain cap above the roof line of the structure.

For new structures, or portions thereof, that are being constructed with a dirt floor foundation (i.e. crawlspace), the standard VCS design will typically include placement of a layer of polyethylene sheeting or equivalent across the crawl space or dirt floor and installation of the extraction piping beneath it. Alternative designs may be required based on site-specific conditions encountered in the field during installations.

3.1 Definitions

1. **Collection Trench:** A vapor collection trench shall consist of a minimum cross sectional dimension of 12 by 12 inches excavated in the grade below the footprint of the building. The trench is filled with a 4-inch layer of pea gravel or coarse aggregate. Three or 4-inch perforated collection piping is then placed on the gravel, and the remainder of the trench is filled with gravel. The trench is then covered with a non-woven geotextile with a minimum weight of 6 ounces per square yard.
2. **Continuous Permeable Layer:** A vapor permeable layer constructed with a 4-inch minimum layer of coarse aggregate placed directly below the future slab. If interior footings are present, communication across the footings is achieved by incorporating risers set into each isolated portion of the footprint, or openings may be installed through the interior footing(s) to allow airflow from the entire footprint to reach the single riser.
3. **Collection Mat:** A vapor collection mat shall consist of a minimum 12-inch wide by 1-inch thick polystyrene, or equivalent material, that has been molded into a waffle pattern and covered in geotextile with a minimum weight of 6 ounces per square yard or equivalent as provided by the mat manufacturer.

*Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE*

3.2 Gathering Information about the Structure

Meet with building owner and/or builder to obtain planned dimensions and layout of the new structure. Find out if the following will be installed: interior drain tile, sump, gravel base, and the location of utilities under the slab. Coordinate with the building owner and/or builder to determine the preferred location for the riser piping to be installed.

3.3 VCS Design

1. A collection trench/mat will not be required when
 - a. The builder installs 3- or 4-inch perforated drain tile inside the footings of the structure. As long as no portion of the footprint of the structure is more than 25 feet from the drain tile, the existing drain tile can serve as the collection piping; or
 - b. A continuous permeable layer is installed.
2. If collection trench/mat is to be installed, determine the preferred routing such that no portion of the footprint of the structure is more than 25 feet from a collection trench/mat.
3. Determine the location where the riser piping will connect to the collection trench/mat, existing drain tile, or continuous permeable layer.
4. Determine the piping termination location:
 - a. Should be above the eave of the roof.
 - b. Should be at least 10 feet above ground level.
 - c. Should be at least 2 feet above or 10 feet away from any windows or other openings into the structure.
 - d. Should be at least 10 feet from any openings to adjacent buildings.

3.4 VCS Installation

When installing a collection trench, excavate the 12-inch deep by 12-inch wide collection trench. Fill trench with gravel and perforated pipe. Cover trench with non-woven geotextile. Attach 3-inch PVC riser piping to the perforated piping using sheet metal screws as necessary. Cap the riser piping.

Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE

When installing a collection mat, create a 1-inch deep by 12-inch wide depression for the vapor collection mat. Install collection mat and secure with landscape staples placed approximately every 3 feet. Attach 3-inch PVC riser piping to the collection mat adaptor using sheet metal screws as necessary. Cap the riser piping.

When the builder installs drain tile inside the footings of the structure, cut a tee into the existing drain tile and attach 3-inch PVC riser piping using sheet metal screws as necessary. Cap the riser piping.

When a gas permeable layer is constructed, set 3-inch PVC riser piping into the permeable layer. Set individual riser pipes into each area separated by an interior footing, or install one or more, minimum 3-inch diameter or equivalent, openings through each interior footing to allow air flow to the riser piping. Cap the riser piping.

In each of the above cases, after the slab has been poured remove the riser piping cap and monitor inside the pipe using a methane measuring instrument. Record the instrument reading in the field notes. If methane in soil vapor is found above 1.25 percent, the *Standard Contingent Venting Procedure* dated April 2016 (Methane Response Activity Plan Attachment 1) will be implemented, as appropriate.

If the structure has an attached garage, extend the riser piping to the level of the attached garage. Install collection trench or mat within the garage footprint and connect to riser piping. Extend riser piping up through roof, and install flashing at this penetration. All joints in the PVC piping shall be sealed using PVC cement. All PVC piping runs shall slope back towards the collection trench/mat for condensate drainage. Label the interior piping. A four-inch wind turbine or rain cap will be attached to a PVC coupling at the top of the piping with sheet metal screws. Paint exterior PVC piping to provide ultraviolet protection. If piping penetrates any fire-rated wall, an intumescent material should be installed around the penetration per the manufacturer's requirements to maintain the fire rating of the wall.

4. SEALING POTENTIAL VAPOR INTRUSION ROUTES

Sealing of dirt floor crawlspaces and basements and cracks and openings in basement walls and floor slabs can reduce pathways for methane gas to enter the structure. The structure may be ventilated, if necessary, during sealing activities to prevent the buildup of vapors from the sealing materials.

4.1 Cracks/Openings

A polyurethane caulk should be used to seal cracks, expansion joints, perimeter joints, and openings around pipe penetrations that could allow vapors to enter the structure. Before sealing with caulk, remove debris and loose concrete from the area. Backer rod should be placed into cracks or openings larger than a half inch prior to applying caulk. Next, apply caulk and use a putty knife or other tool to create a seal to the sides

*Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE*

of the opening. Mortar or concrete may be used to fill larger openings. Expandable foam may be used to fill the top of open block cores.

4.2 Sumps

Sumps should be sealed with a manufactured sump cover or equivalent. A gasket or silicone caulk should be utilized to provide a seal around the sump cover. Silicone caulk should be used to allow the cover to be removed for sump maintenance. All penetrations through the cover should also be sealed with caulk or grommets.

If the sump contains a pedestal sump pump, the pump may need to be replaced with a standard sump pump or retrofitted with an alternate float, so that there are no moving parts penetrating the sump lid. If the sump serves as a floor drain for the structure, a water drain trap should be installed in the sump cover.

4.3 Drains

If there are any floor drains present that do not connect to the sewer, such as condensate drains, a drain seal should be installed. The drain seal will allow water to drain but will not allow any potential vapors to enter the structure. The drain seal should be sealed in place using polyurethane or silicone caulk.

If a basement has a baseboard drainage system, the integrity of that system should be maintained while providing the necessary sealing. This can be accomplished by placing backer rod of the appropriate diameter between the baseboard system and the walls. Then seal over the top of the backer rod with polyurethane caulk.

4.4 Crawl Spaces and Dirt Floor Basements

Where practical, a layer of polyethylene sheeting or equivalent should be placed across the floor of crawl spaces and dirt floor basements. Individual pieces of sheeting should be overlapped and sealed using polyurethane caulk and/or tape. The sheeting should be sealed against each wall using polyurethane or equivalent caulk. Batten bars or wood strips and percussion nails or anchor bolts should also be used to attach the sheeting to the walls where possible. All penetrations through the sheeting should be sealed using polyurethane caulk and/or tape.

In areas that are utilized for storage or that are subject to foot traffic, the liner may be protected by installing closed cell foam padding and/or plywood.

*Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE*

5. INSPECTION

Upon completion of VCS installation, the VCS will be inspected to ensure that the VCS meet the criteria in this document and any necessary corrections will be completed.

These procedures will be implemented in accordance with the Methane Response Activity Plan for the Ford-Kingsford Products Facility.

Attachment 4

Building Inspection Procedure



*Ford-Kingsford Producs Facility
Court Case Number: 04-1427-CE*

BUILDING INSPECTION PROCEDURE

BACKGROUND

Methane is a non-toxic, colorless, odorless gas. Methane gas can enter a structure or confined space through cracks, seams, utility penetrations, or openings in the building foundation. Methane is lighter than air and upon entry will rise to the upper-most areas of the room or confined space, where it can potentially accumulate. Like other flammable gasses, methane becomes a fire or explosive hazard when mixed with the correct amount of oxygen in an enclosed space. Methane is flammable at concentrations between 5 percent by volume, the lower explosive limit (LEL), and 15 percent by volume, the upper explosive limit. Methane is often measured in percent LEL, which is a measure of how close the concentration is to the lower explosive limit. For example, a measurement of 100 percent LEL is equivalent to 5 percent methane by volume.

MONITORING INSTRUMENTS

Infrared methane monitoring instruments such as a 4-gas meter, LANDTEC portable vapor analyzer, or an appropriate alternative shall be used to perform the methane inspection. Monitoring instruments shall be checked for accuracy prior to use per manufacturer's recommendations.

MONITORING PROCEDURE FOR BUILDINGS AND CONFINED SPACES

Methane gas from sub-surface sources can enter a structure through openings in the floor slab or foundation and accumulate at the highest point in that area. These areas are to be checked using a 4-gas meter, LANDTEC, or appropriate alternative instrument per the following procedure:

- It is preferable for all doors and windows to have been closed prior to monitoring and to remain closed during monitoring. If methane gas is detected above 10 percent LEL, corrective measures may be necessary.
- Place the intake of the monitoring instrument as close to the ceiling as possible and hold the probe there for a minimum of 30 seconds until readings are stable. This will allow the air/gas to reach the instrument's sensor.
- Do not take readings in corners, near an open window, ventilation ducts or near a fresh air source as this may not reflect the highest levels of gas in the building.
- Monitor the ceiling level in each room and area that is separated by a wall, depending on structure-specific location, layout, construction, and available information, to the extent practicable.

Ford-Kingsford Producs Facility
Court Case Number: 04-1427-CE

- In addition to buildings, all confined spaces present in a structure (such as manholes and utility runs) shall be monitored for methane. If at all possible, monitor the confined space through holes or openings without removing the manhole cover. If not possible, the cover should be removed just enough to insert the monitoring instrument and allow monitoring of the highest point in the confined space. Once the cover has been removed, any gas trapped inside the confined space will quickly dissipate.

INSPECT THE FLOOR SLAB OR FOUNDATION FOR CRACKS OR OTHER OPENINGS PER THE FOLLOWING PROCEDURE

- Identify and monitor openings in the building floor slab or foundation including cracks, seams, utility penetrations (water lines, sewer lines, conduits, etc.), and the edge of the slab, where it meets the exterior walls.
- Place the intake of the instrument probe directly over the opening (within one inch) and hold the probe there for a minimum of 30 seconds to allow the air/gas to reach the instrument's sensor and the readings to stabilize. Any gas seeping in through such openings will quickly dissipate, so it is important to monitor as close to the opening as possible without touching the probe to the area around the opening as this may block the probe and produce false readings.

DOCUMENT THE FOLLOWING FOR EACH MONITORING EVENT

- Date and time that the monitoring was conducted.
- Personnel conducting the monitoring.
- Model of instrument that was used.
- Record methane monitoring results for both stable and peak readings and indicate if readings are percent LEL or percent by volume.
- Record oxygen and carbon dioxide readings where applicable.
- Locations where the readings were taken.
- Locations of all slab openings that were identified/monitored.

*Ford-Kingsford Products Facility
Court Case Number: 04-1427-CE*

CONVERSION TABLE

The following table converts methane readings from percent by volume, to parts per million (PPM) and LEL at various levels.

%CH4	PPM	%LEL
0.0001	1	-
0.005	50	0.1
0.05	500	1
0.5	5,000	10
1	10,000	20
1.25	12,500	25
5	50,000	100
15	150,000	NA
100	1,000,000	NA

These procedures will be implemented in accordance with the Methane Response Activity Plan for the Ford-Kingsford Products Facility.

Attachment 5

Methane Emergency Contact Personnel and Telephone Listing



Updated 8/30/2016

Ford-Kingsford Products Facility, Kingsford, Michigan, Methane Emergency Contact Personnel and Telephone Listing

Name	Company	Office Number	Cell/Pager Number	Fax Number	Contact Issue
Emergency 24 Hour Contacts					
Kristen Gendron	ARCADIS	(906) 776-0853	(906) 282-1721	(906) 776-0238	Methane
Brian Metras	Kingsford Public Safety Director	(906) 774-2525	(906) 282-1312	(906) 774-0645	Methane-Kingsford
Jeff Iverson	Breitung Township Fire Dept.	(906) 779-2064	(906) 396-2505		Methane-Breitung Township
MDEQ	Pollution Alert Hotline	(800) 292-4706			Methane
ARCADIS					
Kristen Gendron	ARCADIS	(906) 776-0853	(906) 282-1721	(906) 776-0238	Methane
Rachel Saari	ARCADIS	(906) 776-0206	(906) 221-3653	(906) 776-0238	Methane
Sarah Buchcusi	ARCADIS	(906) 774-1714	(906) 221-5449	(906) 776-0238	Methane
Ken Burke	ARCADIS	(906) 774-1714	(906) 221-0679	(906) 776-0238	Methane
Ric Studebaker	ARCADIS-Project Manager	(414-276-7742	(414) 412-1052	(414) 276-7603	Methane
City/Township					
Justin Wickman	Kingsford Public Works Superintendent	(906) 774-3070	(906) 221-3943	(906) 774-7828	Methane-Kingsford
Tony Edlebeck	Kingsford City Manager	(906) 774-3526	(906) 282-0170	(906) 774-7093	Methane-Kingsford
Brian Metras	Kingsford Public Safety Director	(906) 774-2525	(906) 282-1312	(906) 774-0645	Methane-Kingsford
Jeff Iverson	Breitung Township Fire Dept.	(906) 779-2064	(906) 396-2505		Methane-Breitung Township
John Gaudette	Breitung Township Superintendent	(906) 779-2055	(906) 282-3382		Methane-Breitung Township
MDEQ					
Christopher Austin	MDEQ	(906) 875-2072		(906) 875-3336	Methane
Emergency & Utilities					
	Beacon Ambulance	911			
	Dickinson County Hospital	(906) 774-1313			
	EPA Emergency Response Center	(800) 424-8802			
	Miss Dig	(800) 482-7171			
	DTE Gas Company	(800) 947-5000			
Matt Poupore	DTE Kingsford Supervisor		(906) 282-1072		

Attachment 6

Example Mailing for Residential Properties with a Vapor Control System



SAMPLE LETTER – RESIDENCE WITH A VCS INSTALLED

Dear Home Owner:

We are contacting you to provide information on updates being made to the methane programs in the Kingsford Study Area. As you may know, Ford Motor Company (Ford) and The Kingsford Products Company (KPC) have undertaken extensive investigations of soil and groundwater conditions in the Kingsford Study Area. Subsequently, soil vapor extraction (SVE) systems have been installed and operated to remove methane that was found in the sub-surface.

Since the SVE systems continue to successfully remove and control methane gas in the sub-surface, and a vapor control system has been installed in your home to prevent gas accumulation and entry, maintaining a methane detector is no longer necessary. The detector may be unplugged and then removed from the mounting plate by sliding the detector to the right. If the detector is not removed, after 5 years of use the detector will start beeping intermittently, about every 30 seconds, to remind you that the sensors life has expired. If this happens, you can simply unplug and remove the detector. Although no longer necessary, if you wish to receive a replacement detector you can contact Arcadis at the phone number listed below.

Should you need to alter the existing vapor control system for any reason, or if it is damaged, please contact Arcadis and we will make any repairs or assist you with changes that may be necessary. In addition, if you make changes to the foundation or lowest level of your home, please contact Arcadis and we will modify the vapor control system as necessary.

For your records we have enclosed a summary report containing data collected at your residence. The report lists the inspections that have been completed and shows that methane gas has never been detected in your home.

Ford and KPC are dedicated to keeping the lines of communication open with the public. If you have questions, you can contact Arcadis by calling 906-776-0853 or 906-776-0206. We also maintain a website at www.kingsfordstudyarea.com, with information about the Kingsford Study Area and can be reached by e-mail at info@kingsfordstudyarea.com.

We thank you for your cooperation. Once again, do not hesitate to contact us with any questions or concerns you may have.

Sincerely,

Arcadis U.S., Inc.

Richard L. Studebaker, Jr.
Ford-Kingsford Products Facility Project Coordinator

Attachment 7

Example Residential Property Summary Reports



Residential Methane Program Summary Report

Property Address: 526 Lawrence

Vapor Control System		
Vapor Control System Installed:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Install Date: <input type="text" value="6/30/2005"/>

Sealing Information		
Crawl Spaces:	N/A <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date Sealed: <input type="text" value="6/30/2005"/>
Other Dirt Floors:	N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Date Sealed: <input type="text"/>
Cracks, Seams or Openings:	N/A <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date Sealed: <input type="text" value="6/30/2005"/>
Sump Pit Opening:	N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Date Sealed: <input type="text"/>

Inspection Information		
Date:	Methane Reading:	Reason for Inspection:
8/13/2015	0%	Residential Inspection
9/6/2012	0%	Residential Inspection
10/22/2009	0%	Residential Inspection
6/13/2008	0%	Residential Inspection
8/24/2006	0%	Residential Inspection
5/31/2005	0%	Residential Inspection
4/1/2004	0%	False Alarm Followup / Residential Inspection
1/10/2000	0%	Original Inspection
Detector Installed Date: 1/10/2000		Last Confirmed Date: 8/13/2015

It should be noted that although there were detector soundings (alarms) reported at your home, followup response and inspections completed by Kingsford Public Safety Department, Breitung Township Fire Department and/or Arcadis determined that no methane was present and that the detector had sounded due to something other than methane.

Attachment 8

Example Mailing for Residential Properties without a Vapor Control System



SAMPLE LETTER – RESIDENCE WITHOUT A VCS INSTALLED

Dear Home Owner:

We are contacting you to provide an update on the methane programs in the Kingsford Study Area. As you may know, Ford Motor Company (Ford) and The Kingsford Products Company (KPC) have undertaken extensive investigations of soil and groundwater conditions in the Kingsford Study Area. Subsequently, soil vapor extraction (SVE) systems have been installed and operated to remove methane that was found in the sub-surface.

Although the SVE systems continue to successfully remove and control methane gas in the sub-surface, the installation of a vapor control system is still recommended for your home to provide an additional level of safety and to eliminate any potential accumulation of methane below your home. This system remains available for install at any time. Contact Arcadis at the number listed below to take advantage of this program.

Since your house does not currently have a vapor control system, it is our recommendation that a methane detector be maintained in your home as an additional level of safety. According to the manufacturer of the methane detector, the detector has a life expectancy of approximately five years. When the detector reaches the end of its life cycle, the detector will start beeping intermittently, about every 30 seconds, to remind you that the sensor life has expired. Arcadis will be contacting you prior to the end of the life cycle to replace the detector.

For your records, we have enclosed a summary report with data collected at your residence. The report lists the inspections that have been completed and shows that methane gas has never been detected in your home.

Ford and KPC are dedicated to keeping the lines of communication open with the public. If you have questions, you can contact Arcadis by calling 906-776-0853 or 906-776-0206. We also maintain a website at www.kingsfordstudyarea.com, with information about the Kingsford Study Area and can be reached by e-mail at info@kingsfordstudyarea.com.

We thank you for your cooperation. Once again, do not hesitate to contact us with any questions or concerns you may have.

Sincerely,

Arcadis U.S., Inc.

Richard L. Studebaker, Jr.
Ford-Kingsford Products Facility Project Coordinator

Attachment 9

Example Mailing for Commercial Properties with a Vapor Control System



SAMPLE LETTER – COMMERCIAL WITH A VCS INSTALLED

Dear Business Owner:

We are contacting you to provide information on updates being made to the methane programs in the Kingsford Study Area. As you may know, Ford Motor Company (Ford) and The Kingsford Products Company (KPC) have undertaken extensive investigations of soil and groundwater conditions in the Kingsford Study Area. Subsequently, soil vapor extraction (SVE) systems have been installed and operated to remove methane that was found in the sub-surface.

Since the SVE systems continue to successfully remove and control methane gas in the sub-surface, and a vapor control system has been installed at your business to prevent gas accumulation and entry, monitoring of the soil vapor probes that have been installed around your building(s) is no longer necessary. Arcadis representatives will contact you regarding abandonment/removal of any probes on your property. Although monitoring of the probes is no longer necessary, if you wish for additional monitoring to be completed, you can contact Arcadis.

Should you need to alter the existing vapor control system for any reason, or if it is damaged, please contact Arcadis and we will make any repairs or assist you with changes that may be necessary. In addition, if you make changes to the foundation or lowest level of your building(s), please contact Arcadis and we will modify the vapor control system as necessary.

Additionally, for your records we have enclosed a summary report containing data collected at your building(s). The report lists the inspections that have been completed and shows that methane gas has never been detected inside your building(s). The soil vapor probe monitoring data has also been included. The report further indicates if the recommended sealing of openings in the lowest level of your building(s) and the installation of a vapor control system have been completed, as well as any further recommendations, if applicable.

Ford and KPC are dedicated to keeping the lines of communication open with the public. If you have questions, you can contact ARCADIS by calling 906-776-0853 or 906-776-0206. We also maintain a website at www.kingsfordstudyarea.com, with information about the Kingsford Study Area and can be reached by e-mail at info@kingsfordstudyarea.com.

We thank you for your cooperation. Once again, do not hesitate to contact us with any questions or concerns you may have.

Sincerely,

Arcadis U.S., Inc.

Richard L. Studebaker, Jr.
Ford-Kingsford Products Facility Project Coordinator

Attachment 10

Example Commercial Property Summary Report Package



Commerical Methane Program Summary Report

Name: Rice Juice Company Property Address: 101 Lyman

Vapor Control System

Vapor Control System: N/A Yes No Date Installed: 12/2/2005

Sealing Information

Crawl Spaces: N/A Yes No Date Sealed:

Other Dirt Floors: N/A Yes No Date Sealed:

Cracks, Seams or Openings: N/A Yes No Date Sealed: 12/2/2005

Sump Pit Opening: N/A Yes No Date Sealed:

Inspection Information

Date:	Methane Reading:	Reason for Inspection:
9/11/2003	0%	Original Inspection
10/19/2005	0%	Commercial Inspection
3/25/2009	0%	Commercial Inspection
4/1/2015	0%	Commercial Inspection

A table and figure with information for any soil vapor probes located on your property is attached.

Table 1
Commercial Soil Vapor Probe Monitoring Data
Rice Juice Company
Ford-Kingsford Products Facility
Kingsford, Michigan

Vapor Probe	Date	Time	Landtec Readings ⁽¹⁾			MDU ⁽²⁾ (% LEL)
			CH ₄	CO ₂	O ₂	
			(% vol)	(% vol)	(% vol)	
GMSG-413	10/14/03	10:27:00 AM	0	1.2	18.2	0
GMSG-413	10/29/03	1:46:00 PM	0	0.9	18.6	0
GMSG-413	11/12/03	11:55:00 AM	0	0.7	19	0
GMSG-413	12/18/03	9:35:00 AM	0	0.5	18.5	0
GMSG-413	01/21/04	7:50:00 AM	0	0.4	19.1	0
GMSG-413	04/16/04	3:38:00 PM	0	0.5	18.9	0
GMSG-413	07/15/04	9:25:00 AM	0	1.2	18.1	0
GMSG-413	10/31/04	11:48:00 AM	0	1	19.2	0
GMSG-413	02/08/05	10:36:00 AM	-	-	-	0
GMSG-413	04/04/05	2:58:00 PM	-	-	-	0
GMSG-413	07/06/05	9:09:00 AM	-	-	-	0
GMSG-413	10/13/05	11:17:00 AM	-	-	-	0
GMSG-413	02/27/06	3:31:00 PM	-	-	-	0
GMSG-413	04/06/06	2:11:00 PM	-	-	-	0
GMSG-413	07/12/06	9:33:00 AM	-	-	-	0
GMSG-413	10/11/06	9:00:00 AM	-	-	-	0
GMSG-413	02/05/07	11:29:00 AM	-	-	-	0
GMSG-413	04/03/07	1:54:00 PM	-	-	-	0
GMSG-413	07/20/07	3:32:00 PM	-	-	-	0
GMSG-413	10/17/07	11:49:00 AM	-	-	-	0
GMSG-413	01/14/08	12:07:00 PM	-	-	-	0
GMSG-413	04/15/08	11:20:00 AM	-	-	-	0
GMSG-413	07/16/08	8:13:00 AM	-	-	-	0
GMSG-413	10/16/08	3:02:00 PM	-	-	-	0
GMSG-413	01/07/09	11:31:00 AM	-	-	-	0
GMSG-413	04/20/09	11:42:00 AM	-	-	-	0
GMSG-413	07/28/09	12:13:00 PM	-	-	-	0
GMSG-413	10/22/09	11:28:00 AM	-	-	-	0
GMSG-413	04/20/10	3:17:00 PM	-	-	-	0
GMSG-413	11/05/10	12:07:00 PM	-	-	-	0
GMSG-413	07/08/11	5:57:00 PM	-	-	-	0
GMSG-413	10/24/12	3:20:00 PM	-	-	-	0
GMSG-413	11/06/13	3:13:00 PM	-	-	-	0
GMSG-413	08/14/14	4:32:00 PM	-	-	-	0
GMSG-413	08/07/15	12:56:00 PM	-	-	-	0
GMSG-414	10/14/03	10:31:00 AM	0	0.6	18.7	0
GMSG-414	10/29/03	1:41:00 PM	0	0.9	18.1	0
GMSG-414	11/12/03	11:58:00 AM	0	1	18	0
GMSG-414	12/18/03	9:27:00 AM	0	0.2	18.5	0
GMSG-414	01/21/04	7:42:00 AM	0	1	18	0
GMSG-414	04/16/04	3:30:00 PM	0	0.8	18.7	0
GMSG-414	07/15/04	9:30:00 AM	0	1.1	18.1	0
GMSG-414	10/31/04	11:43:00 AM	0	1	18.9	0
GMSG-414	02/08/05	10:47:00 AM	-	-	-	0
GMSG-414	04/04/05	2:56:00 PM	-	-	-	0
GMSG-414	07/06/05	9:02:00 AM	-	-	-	0
GMSG-414	10/13/05	11:15:00 AM	-	-	-	0
GMSG-414	03/06/06	1:56:00 PM	-	-	-	0

Notes on Page 3

Table 1
Commercial Soil Vapor Probe Monitoring Data
Rice Juice Company
Ford-Kingsford Products Facility
Kingsford, Michigan

Vapor Probe	Date	Time	Landtec Readings ⁽¹⁾			MDU ⁽²⁾ (% LEL)
			CH ₄	CO ₂	O ₂	
			(% vol)	(% vol)	(% vol)	
GMSG-414	04/06/06	2:13:00 PM	-	-	-	0
GMSG-414	07/12/06	9:24:00 AM	-	-	-	0
GMSG-414	10/11/06	8:53:00 AM	-	-	-	0
GMSG-414	02/04/07	2:28:00 PM	-	-	-	0
GMSG-414	04/03/07	1:49:00 PM	-	-	-	0
GMSG-414	07/20/07	3:28:00 PM	-	-	-	0
GMSG-414	10/17/07	11:58:00 AM	-	-	-	0
GMSG-414	01/14/08	11:57:00 AM	-	-	-	0
GMSG-414	04/15/08	11:16:00 AM	-	-	-	0
GMSG-414	07/16/08	8:09:00 AM	-	-	-	0
GMSG-414	10/16/08	2:59:00 PM	-	-	-	0
GMSG-414	01/07/09	11:21:00 AM	-	-	-	0
GMSG-414	04/20/09	11:38:00 AM	-	-	-	0
GMSG-414	07/28/09	12:07:00 PM	-	-	-	0
GMSG-414	10/22/09	11:25:00 AM	-	-	-	0
GMSG-414	04/20/10	3:15:00 PM	-	-	-	0
GMSG-414	11/05/10	12:04:00 PM	-	-	-	0
GMSG-414	07/08/11	5:51:00 PM	-	-	-	0
GMSG-414	10/24/12	3:15:00 PM	-	-	-	0
GMSG-414	11/06/13	3:18:00 PM	-	-	-	0
GMSG-414	08/14/14	4:25:00 PM	-	-	-	0
GMSG-414	08/07/15	12:48:00 PM	-	-	-	0
GMSG-555	12/07/05	11:41:00 AM	-	-	-	0
GMSG-555	12/13/05	2:41:00 PM	-	-	-	0
GMSG-555	12/20/05	11:51:00 AM	-	-	-	0
GMSG-555	03/10/06	9:30:00 AM	-	-	-	0
GMSG-555	04/06/06	2:09:00 PM	-	-	-	0
GMSG-555	05/16/06	9:01:00 AM	-	-	-	0
GMSG-555	07/12/06	9:30:00 AM	-	-	-	0
GMSG-555	10/11/06	8:50:00 AM	-	-	-	0
GMSG-555	02/04/07	2:26:00 PM	-	-	-	0
GMSG-555	04/03/07	1:51:00 PM	-	-	-	0
GMSG-555	07/20/07	3:30:00 PM	-	-	-	0
GMSG-555	10/17/07	11:53:00 AM	-	-	-	0
GMSG-555	01/14/08	12:02:00 PM	-	-	-	0
GMSG-555	04/15/08	11:18:00 AM	-	-	-	0
GMSG-555	07/16/08	8:11:00 AM	-	-	-	0
GMSG-555	10/16/08	3:00:00 PM	-	-	-	0
GMSG-555	01/07/09	11:26:00 AM	-	-	-	0
GMSG-555	04/20/09	11:40:00 AM	-	-	-	0
GMSG-555	07/28/09	12:09:00 PM	-	-	-	0
GMSG-555	10/22/09	11:27:00 AM	-	-	-	0
GMSG-555	04/20/10	3:16:00 PM	-	-	-	0
GMSG-555	11/05/10	12:06:00 PM	-	-	-	0
GMSG-555	07/08/11	5:54:00 PM	-	-	-	0
GMSG-555	10/24/12	3:23:00 PM	-	-	-	0
GMSG-555	11/06/13	3:17:00 PM	-	-	-	0
GMSG-555	08/14/14	4:29:00 PM	-	-	-	0

Notes on Page 3

Table 1
Commercial Soil Vapor Probe Monitoring Data
Rice Juice Company
Ford-Kingsford Products Facility
Kingsford, Michigan

Vapor Probe	Date	Time	Landtec Readings ⁽¹⁾			MDU ⁽²⁾ (% LEL)
			CH ₄	CO ₂	O ₂	
			(% vol)	(% vol)	(% vol)	
GMSG-555	08/07/15	12:59:00 PM	-	-	-	0
GMSG-556	06/01/06	2:00:00 PM	-	-	-	0
GMSG-556	06/06/06	3:24:00 PM	-	-	-	0
GMSG-556	06/15/06	1:32:00 PM	-	-	-	0
GMSG-556	06/23/06	11:19:00 AM	-	-	-	0
GMSG-556	07/12/06	9:37:00 AM	-	-	-	0
GMSG-556	08/11/06	10:42:00 AM	-	-	-	0
GMSG-556	09/19/06	9:36:00 AM	-	-	-	0
GMSG-556	10/11/06	8:56:00 AM	-	-	-	0
GMSG-556	02/04/07	2:46:00 PM	-	-	-	0
GMSG-556	04/03/07	1:45:00 PM	-	-	-	0
GMSG-556	07/20/07	3:34:00 PM	-	-	-	0
GMSG-556	10/17/07	11:45:00 AM	-	-	-	0
GMSG-556	01/14/08	12:10:00 PM	-	-	-	0
GMSG-556	04/15/08	11:22:00 AM	-	-	-	0
GMSG-556	07/16/08	8:16:00 AM	-	-	-	0
GMSG-556	10/16/08	3:04:00 PM	-	-	-	0
GMSG-556	01/07/09	11:37:00 AM	-	-	-	0
GMSG-556	04/20/09	11:45:00 AM	-	-	-	0
GMSG-556	07/28/09	12:05:00 PM	-	-	-	0
GMSG-556	10/22/09	11:30:00 AM	-	-	-	0
GMSG-556	04/20/10	3:20:00 PM	-	-	-	0
GMSG-556	11/05/10	12:09:00 PM	-	-	-	0
GMSG-556	07/08/11	6:00:00 PM	-	-	-	0
GMSG-556	10/24/12	3:17:00 PM	-	-	-	0
GMSG-556	11/07/13	2:29:00 PM	-	-	-	0
GMSG-556	08/14/14	4:36:00 PM	-	-	-	0
GMSG-556	08/07/15	12:52:00 PM	-	-	-	0

General Notes:

- (1) = Data represents field measurements obtained using a Landtec Model GA-90 gas meter.
(2) = Data represents field measurements obtained using a Methane Detector Unit gas meter.

Acronyms and Abbreviations:

-- = Data not available.

% vol = Percent by volume.

% LEL = Percent lower explosive limit.

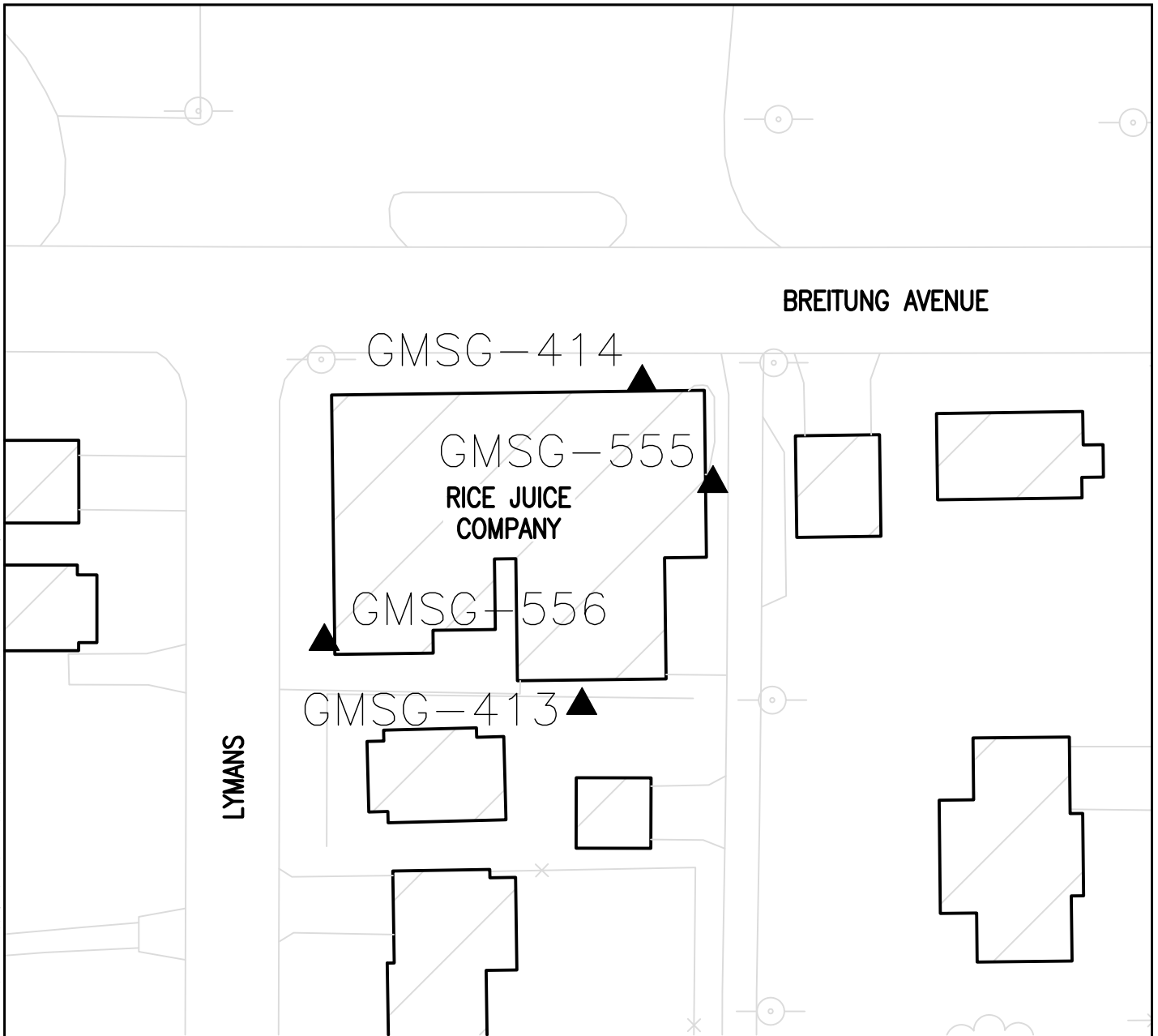
CH₄ = Methane.

CO₂ = Carbon dioxide.

MDU = Methane detector unit.

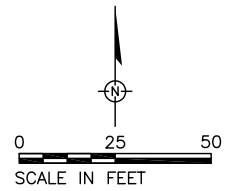
O₂ = Oxygen.

User Name : cmckeough
 Acad Version : R17.0s (JMS Test)
 © 2006 ARCADIS G&M, INC.
 Current Filestyle : ByColor
 Date/Time : Tue, 04 Sep 2007 - 2:27pm
 Page Setup: PDF-65x11
 Plot Table: A-TEST-BLACKRAY.ctb
 Layout Tab: 54
 Path Name : G:\Project\FORD\W0637\2007\CADD\Commercial Properties\SVP-LOCATION 41-74.dwg



LEGEND

▲ COMMERCIAL SOIL VAPOR PROBES



GMSG-413	Rice Juice	south side, 20' 6" from west end and 28' from east end, 1' from bldg
GMSG-414	Rice Juice	north side, 21' 6" from east end, 8' from door, 1' from bldg
GMSG-555	Rice Juice	east side, 5' 6" north of overhead garage door, 1' 9" from bldg.
GMSG-556	Rice Juice	west side, 1' from apt. steps, 1' out from bldg (directly under mailboxes for apts.)



PROJECT MANAGER R. STUDEBAKER	DEPARTMENT MANAGER M. MAIERLE	LEAD DESIGN PROF. D. CHARETTE	CHECKED BY
SHEET TITLE LOCATION OF COMMERCIAL SOIL VAPOR PROBES		TASK/PHASE NUMBER 0002.00001	DRAWN BY C. MCKEOUGH
RICE JUICE COMPANY		PROJECT NUMBER W1001095	DRAWING NUMBER

Attachment 11

Example Mailing for Commercial Properties without a Vapor Control System



SAMPLE LETTER – COMMERCIAL WITHOUT A VCS INSTALLED

Dear Business Owner:

We are contacting you to provide an update on the methane programs in the Kingsford Study Area. As you may know, Ford Motor Company (Ford) and The Kingsford Products Company (KPC) have undertaken extensive investigations of soil and groundwater conditions in the Kingsford Study Area. Subsequently, soil vapor extraction (SVE) systems have been installed and operated to remove methane that was found in the sub-surface.

Although the SVE systems continue to successfully remove and control methane gas in the sub-surface, the installation of a vapor control system is still recommended for your business to provide an additional level of safety and to eliminate any potential accumulation of methane below your building(s). This system remains available for install at any time. Contact Arcadis at the number listed below to take advantage of this program.

Since your business does not currently have a vapor control system, soil vapor probe monitoring is still recommended as an additional level of safety. Therefore, ARCADIS will continue to monitor the existing soil vapor probes that have been installed around your building(s) to confirm that methane is not present. If soil vapor probes have not been installed, you can contact Arcadis to request installation at any time.

Additionally for your records, we have enclosed a summary report with data collected specifically at your business. The report lists the inspections that have been completed and shows that methane gas has never been detected inside your building(s). The soil vapor probe monitoring data has also been included. The report further indicates if the recommended sealing of openings in the lowest level of your building(s) and the installation of a vapor control system have been completed, as well as any further recommendations, if applicable.

Ford and KPC are dedicated to keeping the lines of communication open with the public. If you have questions, you can contact Arcadis by calling 906-776-0853 or 906-776-0206. We also maintain a website at www.kingsfordstudyarea.com, with information about the Kingsford Study Area and can be reached by e-mail at info@kingsfordstudyarea.com.

We thank you for your cooperation. Once again, do not hesitate to contact us with any questions or concerns you may have.

Sincerely,

Arcadis U.S., Inc.

Richard L. Studebaker, Jr.
Ford-Kingsford Products Facility Project Coordinator