

IMPORTANT

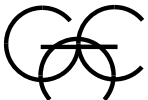
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GILES ENGINEERING ASSOCIATES, INC.



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GILES

ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

- Atlanta, GA
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December 6, 2017

Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313-6727

Attention: Mr. Robert Klauk

Subject: Site Investigation Report Addendum
Smoke-Out Cleaners
1631 Brookfield Avenue, Unit D-4
Howard, Wisconsin
BRRTS No. 02-05-552214
Giles Project No. 1E-1105023

Dear Mr. Klauk:

Giles Engineering Associates, Inc. (Giles) has prepared this Site Investigation (SI) Report Addendum for the Smoke-Out Cleaners (Site), located at 1631 Brookfield Avenue Unit D-4, in the Village of Howard, Brown County, Wisconsin. This addendum summarizes the activities conducted since the submittal of the Site Investigation Report (dated August 31, 2017). The numbering system used for the figures and tables in this addendum is a continuation of the system used in the SI report, and only new or updated figures and tables are included.

ADDITIONAL INVESTIGATIVE ACTIVITIES

Following receipt of the Site Investigation report, the Wisconsin Department of Natural Resources (WDNR) project manager contacted Giles and indicated that indoor air sampling was needed to complete the site investigation. The WDNR also requested that an additional sub-slab vapor sampling event be conducted. Giles outlined the additional investigative activities in the Request for Approval of Change in Scope (Change Order No. 04, dated October 5, 2017), which was approved by the WDNR. In addition to the indoor air and sub-slab sampling, groundwater elevations were measured in the monitoring wells, and a missing well cover was replaced.

Giles conducted the additional investigative field activities on October 25, 2017. Two eight-hour indoor air samples, IA-1 and IA-2, were collected in the office areas of Smoke-Out Cleaners and the south adjoining Badger Scale, respectively (Figure 2B). These samples were collected from the breathing zone by placing one end of a 6-foot length of Teflon tubing approximately four feet above the floor and connecting the other end to a negatively-pressured 6-liter Summa canister equipped with a 12.5 milliliter (mL) per minute flow regulator. The regulator valve was opened and air was drawn into the Summa canister for approximately eight hours.

In addition, 30-minute sub-slab soil gas samples were collected from vapor points VP-3 through VP-8 using Summa canisters equipped with 200 mL per minute regulators. The indoor air and

sub-slab samples were submitted to Pace Analytical Services, LLC (Pace) for analysis (by EPA Method TO-15) of the six chlorinated volatile organic compounds (VOCs) previously detected in the sub-slab vapor samples. Giles also measured the depth to water in the on-Site groundwater monitoring wells and piezometer, and replaced a missing flush-mount well cover.

RESULTS

Review of the indoor air sampling results indicates that tetrachloroethene (PCE) and trichloroethene (TCE) were detected in the sample from the Smoke-Out office, IA-1, and PCE was detected in sample IA-2, which was collected in the Badger Scale office. The concentration of PCE in sample IA-1 (Smoke-Out) was above the WDNR Vapor Action Level (VAL) for indoor air at a small commercial property. The indoor air sampling results are summarized in the attached Table 5, and the analytical lab report and chain-of-custody documentation is included as Attachment A.

Between one and four chlorinated VOCs were detected in each of the most recent sub-slab vapor samples from VP-3 through VP-8. The concentration of PCE, which was detected in each of these sub-slab samples, exceeded the Wisconsin Vapor Risk Screening Levels (VRSL) for sub-slab soil gas at a small commercial property in samples collected from VP-4, VP-5, VP-7, and VP-8. In addition, TCE was detected above its VRSL in sub-slab soil gas samples collected from VP-4 and VP-5. These results are generally consistent with the sub-slab soil gas samples collected throughout the site investigation. The sub-slab soil gas results are summarized in the attached Table 2, and on Figure 6. The analytical lab report and chain-of-custody documentation is included as Attachment A.

The depth to groundwater measured on October 25, 2017 ranged from approximately 2.2 to 3.0 feet below ground surface (bgs). Based upon these readings, the groundwater appears to flow to the east. The groundwater elevation data is presented in Table 4, and a groundwater flow map based upon the October 25, 2017 data is included as Figure 3.

CONCLUSIONS

The following conclusions are provided based upon findings of this additional investigation.

- Review of the indoor air sampling results indicates that PCE and TCE were detected in sample IA-1 collected in the Smoke-Out Cleaners office, and PCE was detected in sample IA-2 from the Badger Scale office. The concentration of PCE in sample IA-1 (Smoke-Out) exceeded the VAL for indoor air at a small commercial property.
- The most recent sub-slab sampling results are generally consistent with the results collected throughout the site investigation. The concentration of PCE, which was detected in each of the most recently collected sub-slab samples, exceeded its VRSL for sub-slab soil gas at a small commercial property in four samples, and TCE was detected above its VRSL in two sub-slab soil gas samples.
- Based upon the most recent depth to groundwater measurements, which ranged from approximately 2.2 and 3.0 feet bgs, the groundwater appears to flow to the east.

- It is Giles' opinion that by conducting the additional investigation activities requested by the WDNR, which included indoor air sampling, the site investigation has been completed.

CLOSING

If there are any questions regarding the information contained herein, please contact the undersigned at your convenience.

Very truly yours,

GILES ENGINEERING ASSOCIATES, INC.


Kelly M. Hayden
Environmental Scientist II


Stephen M. Owens, P.G.
Project Manager

ENCLOSURES:

FIGURES

Figure 2B Site Plan
Figure 4C Groundwater Flow Map (10/25/17)
Figure 6 Sub-Slab Soil Gas Concentration Map

TABLES

Table 2 Sub-Slab Vapor Analytical Results
Table 4 Groundwater Elevation Summary
Table 5 Indoor Air Analytical Results

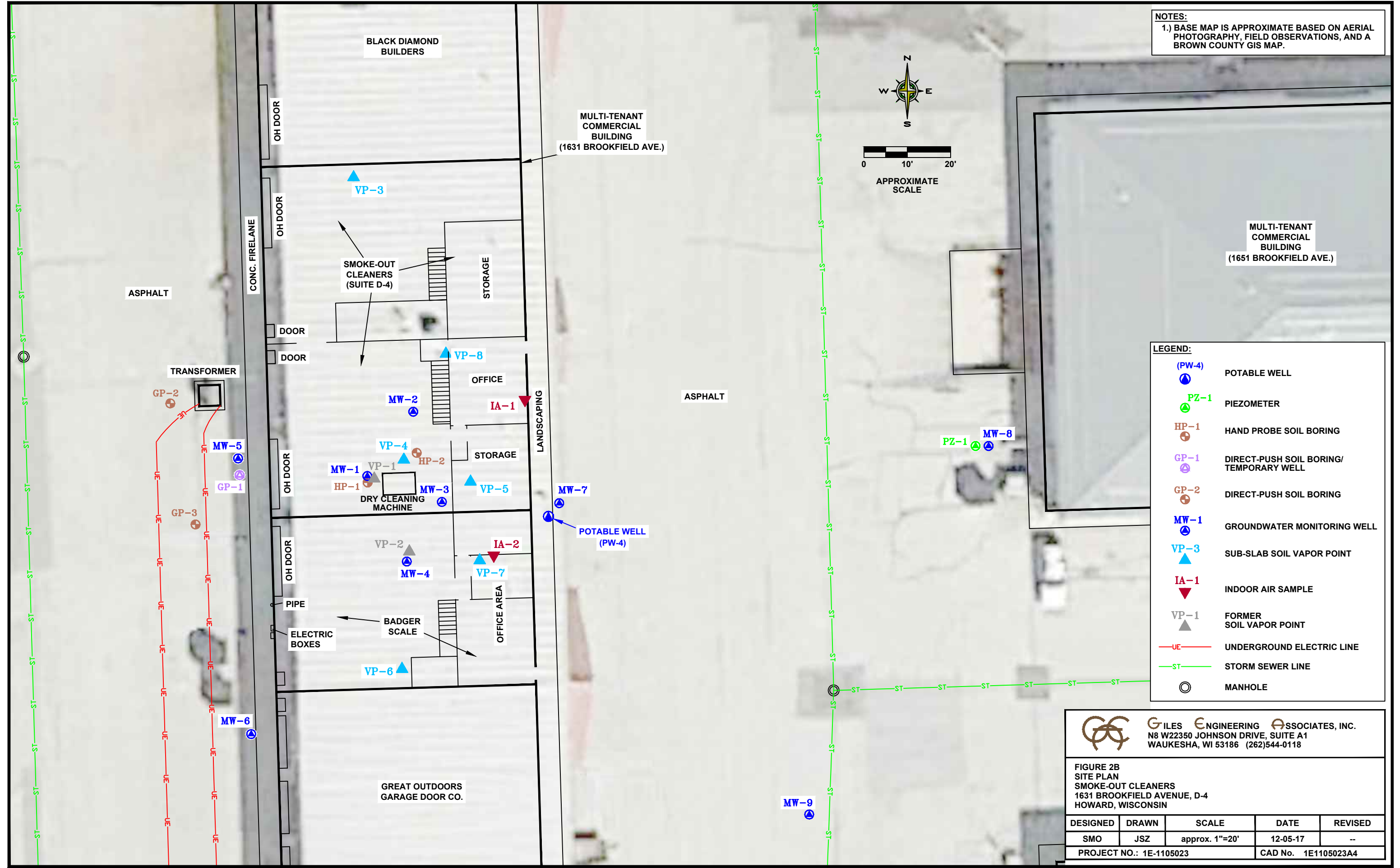
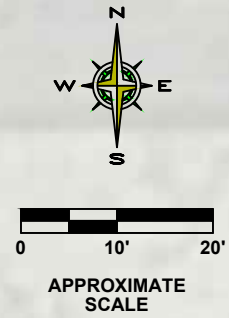
ATTACHMENTS

Attachment A Sub-Slab Vapor and Indoor Air Laboratory Analytical Report & Chain of Custody Documentation

Distribution: Wisconsin Department of Natural Resources
Attn: Mr. Robert Klauk (1 copy via USPS and 1 via email:
Robert.Klauk@Wisconsin.gov)
Smoke-Out Cleaners, Ltd.
Attn: Mr. Mark Woppert (1 copy via email: mark.woppert@smoke-out.net)
Team Bay, LLC
Attn: Mr. Chris Dockry (1 copy via email: chris@teamselfstorage.com)

Figures

NOTES:
 1.) BASE MAP IS APPROXIMATE BASED ON AERIAL PHOTOGRAPHY, FIELD OBSERVATIONS, AND A BROWN COUNTY GIS MAP.



LEGEND:

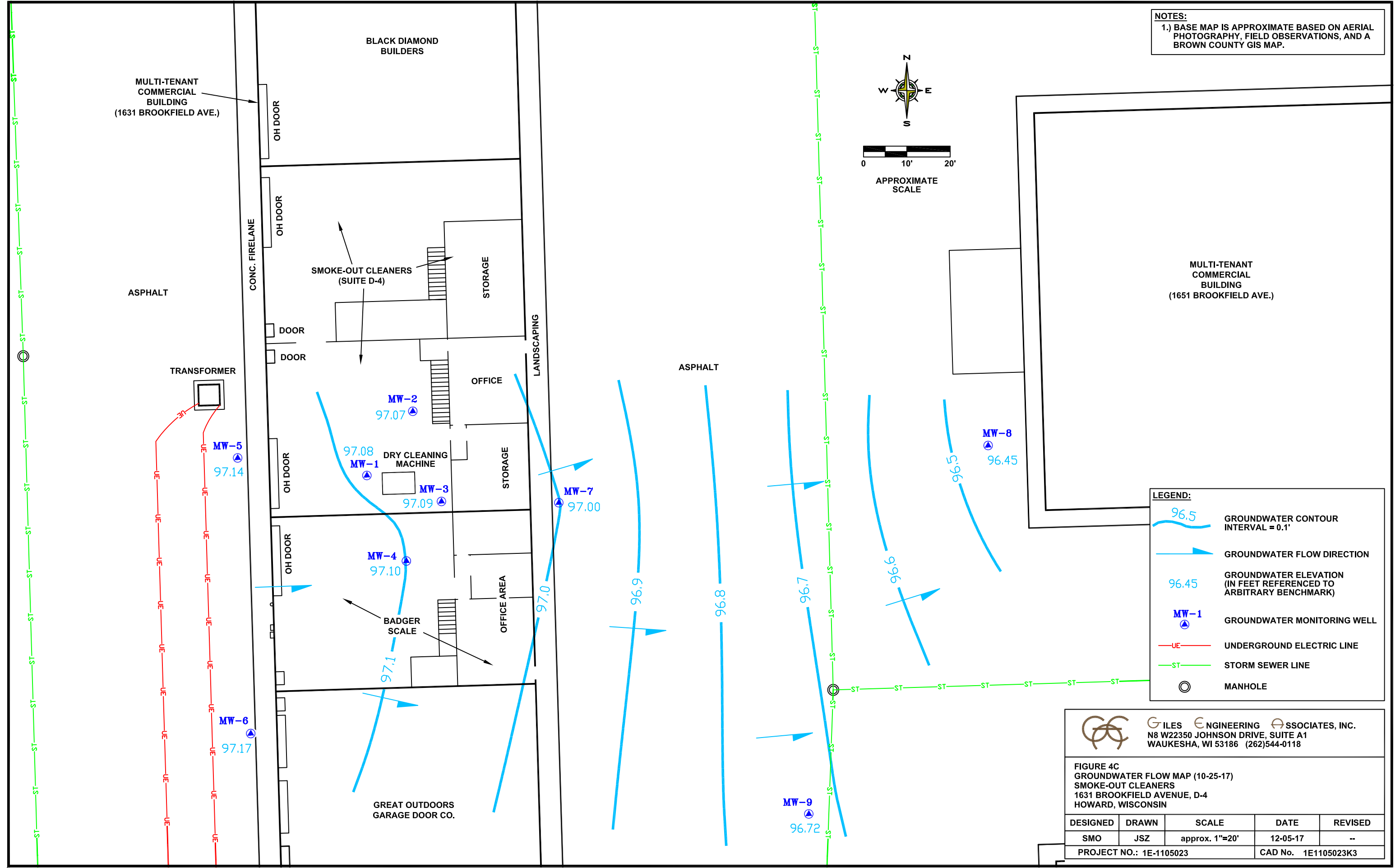
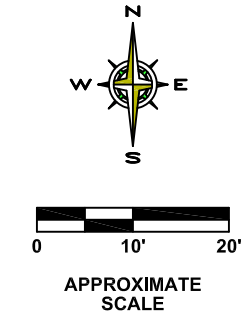
(PW-4)	POTABLE WELL
PZ-1	PIEZOMETER
HP-1	HAND PROBE SOIL BORING
GP-1	DIRECT-PUSH SOIL BORING/ TEMPORARY WELL
GP-2	DIRECT-PUSH SOIL BORING
MW-1	GROUNDWATER MONITORING WELL
VP-3	SUB-SLAB SOIL VAPOR POINT
IA-1	INDOOR AIR SAMPLE
VP-1	FORMER SOIL VAPOR POINT
-UE-	UNDERGROUND ELECTRIC LINE
-ST-	STORM SEWER LINE
⊙	MANHOLE

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**FIGURE 2B
 SITE PLAN
 SMOKE-OUT CLEANERS
 1631 BROOKFIELD AVENUE, D-4
 HOWARD, WISCONSIN**

DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	approx. 1"=20'	12-05-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023A4	

NOTES:
 1.) BASE MAP IS APPROXIMATE BASED ON AERIAL PHOTOGRAPHY, FIELD OBSERVATIONS, AND A BROWN COUNTY GIS MAP.



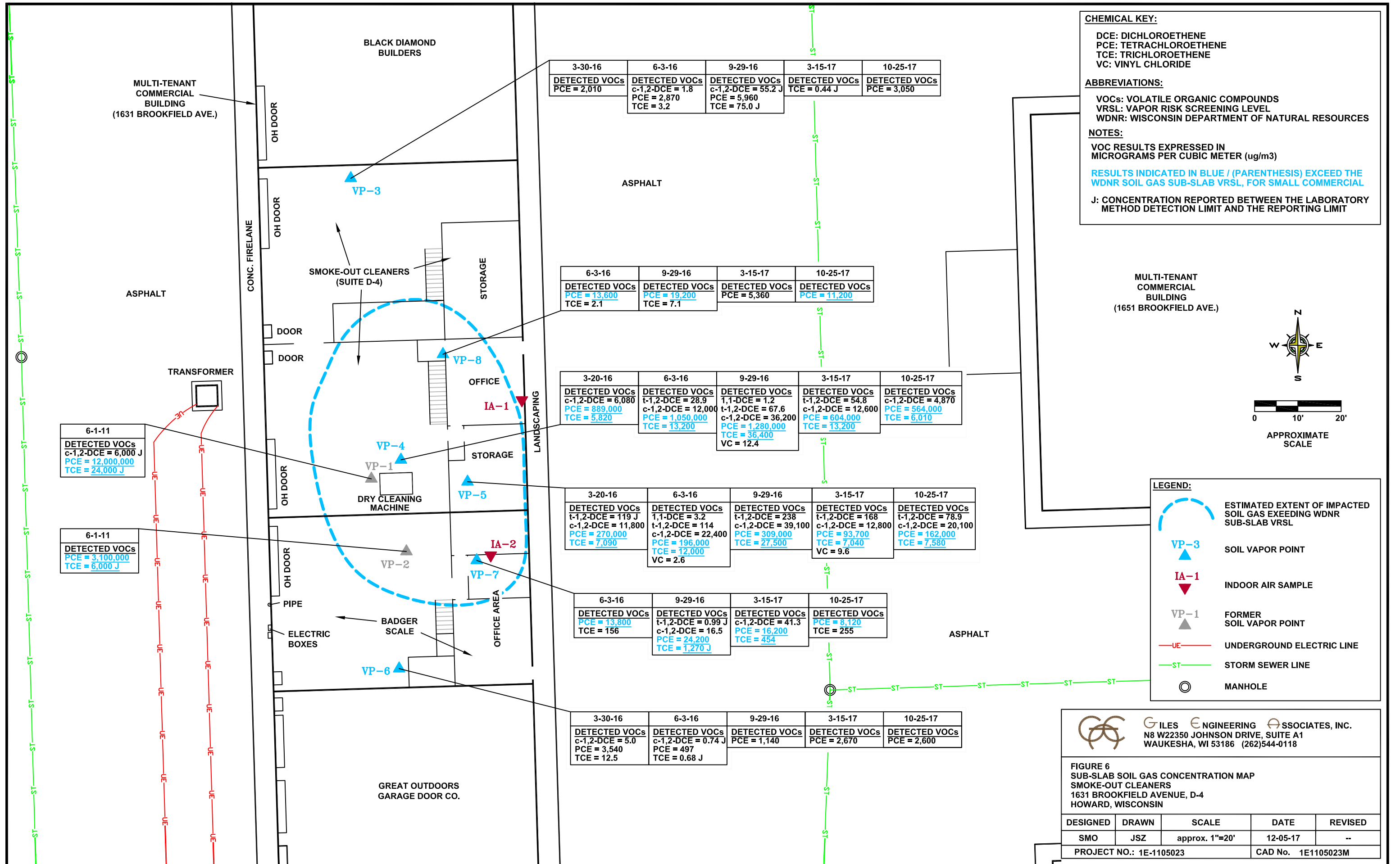
LEGEND:

- 96.5 GROUNDWATER CONTOUR INTERVAL = 0.1'
- GROUNDWATER FLOW DIRECTION
- 96.45 GROUNDWATER ELEVATION (IN FEET REFERENCED TO ARBITRARY BENCHMARK)
- MW-1 GROUNDWATER MONITORING WELL
- UNDERGROUND ELECTRIC LINE
- STORM SEWER LINE
- MANHOLE

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FIGURE 4C
 GROUNDWATER FLOW MAP (10-25-17)
 SMOKE-OUT CLEANERS
 1631 BROOKFIELD AVENUE, D-4
 HOWARD, WISCONSIN

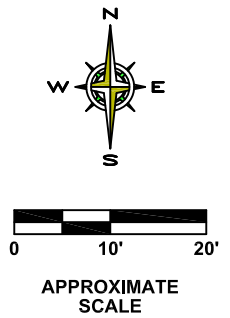
DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	approx. 1"=20'	12-05-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023K3	



CHEMICAL KEY:
 DCE: DICHLOROETHENE
 PCE: TETRACHLOROETHENE
 TCE: TRICHLOROETHENE
 VC: VINYL CHLORIDE

ABBREVIATIONS:
 VOCs: VOLATILE ORGANIC COMPOUNDS
 VRSL: VAPOR RISK SCREENING LEVEL
 WDNR: WISCONSIN DEPARTMENT OF NATURAL RESOURCES

NOTES:
 VOC RESULTS EXPRESSED IN MICROGRAMS PER CUBIC METER (ug/m3)
 RESULTS INDICATED IN BLUE / (PARENTHESIS) EXCEED THE WDNR SOIL GAS SUB-SLAB VRSL, FOR SMALL COMMERCIAL
 J: CONCENTRATION REPORTED BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE REPORTING LIMIT



LEGEND:

- ESTIMATED EXTENT OF IMPACTED SOIL GAS EXCEEDING WDNR SUB-SLAB VRSL
- VP-3 SOIL VAPOR POINT
- IA-1 INDOOR AIR SAMPLE
- VP-1 FORMER SOIL VAPOR POINT
- UNDERGROUND ELECTRIC LINE
- STORM SEWER LINE
- MANHOLE

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 N8 W22350 JOHNSON DRIVE, SUITE A1
 WAUKESHA, WI 53186 (262)544-0118

FIGURE 6
 SUB-SLAB SOIL GAS CONCENTRATION MAP
 SMOKE-OUT CLEANERS
 1631 BROOKFIELD AVENUE, D-4
 HOWARD, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	approx. 1"=20'	12-05-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023M	

3-30-16	6-3-16	9-29-16	3-15-17	10-25-17
DETECTED VOCs PCE = 2,010	DETECTED VOCs c-1,2-DCE = 1.8 PCE = 2,870 TCE = 3.2	DETECTED VOCs c-1,2-DCE = 55.2 J PCE = 5,960 TCE = 75.0 J	DETECTED VOCs TCE = 0.44 J	DETECTED VOCs PCE = 3,050

6-3-16	9-29-16	3-15-17	10-25-17
DETECTED VOCs PCE = 13,600 TCE = 2.1	DETECTED VOCs PCE = 19,200 TCE = 7.1	DETECTED VOCs PCE = 5,360	DETECTED VOCs PCE = 11,200

3-20-16	6-3-16	9-29-16	3-15-17	10-25-17
DETECTED VOCs c-1,2-DCE = 6,080 PCE = 889,000 TCE = 5,820	DETECTED VOCs t-1,2-DCE = 28.9 c-1,2-DCE = 12,000 PCE = 1,050,000 TCE = 13,200	DETECTED VOCs t-1,2-DCE = 1.2 c-1,2-DCE = 36,200 PCE = 1,280,000 TCE = 36,400 VC = 12.4	DETECTED VOCs t-1,2-DCE = 54.8 c-1,2-DCE = 12,600 PCE = 604,000 TCE = 13,200	DETECTED VOCs c-1,2-DCE = 4,870 PCE = 564,000 TCE = 6,010

3-20-16	6-3-16	9-29-16	3-15-17	10-25-17
DETECTED VOCs t-1,2-DCE = 119 J c-1,2-DCE = 11,800 PCE = 270,000 TCE = 7,090	DETECTED VOCs t-1,2-DCE = 3.2 c-1,2-DCE = 22,400 PCE = 196,000 TCE = 12,000 VC = 2.6	DETECTED VOCs t-1,2-DCE = 238 c-1,2-DCE = 39,100 PCE = 309,000 TCE = 27,500	DETECTED VOCs t-1,2-DCE = 168 c-1,2-DCE = 12,800 PCE = 93,700 TCE = 7,040 VC = 9.6	DETECTED VOCs t-1,2-DCE = 78.9 c-1,2-DCE = 20,100 PCE = 162,000 TCE = 7,580

6-3-16	9-29-16	3-15-17	10-25-17
DETECTED VOCs PCE = 13,800 TCE = 156	DETECTED VOCs t-1,2-DCE = 0.99 J c-1,2-DCE = 16.5 PCE = 24,200 TCE = 1,270 J	DETECTED VOCs c-1,2-DCE = 41.3 PCE = 16,200 TCE = 454	DETECTED VOCs PCE = 8,120 TCE = 255

3-30-16	6-3-16	9-29-16	3-15-17	10-25-17
DETECTED VOCs c-1,2-DCE = 5.0 PCE = 3,540 TCE = 12.5	DETECTED VOCs c-1,2-DCE = 0.74 J PCE = 497 TCE = 0.68 J	DETECTED VOCs PCE = 1,140	DETECTED VOCs PCE = 2,670	DETECTED VOCs PCE = 2,600

6-1-11 DETECTED VOCs c-1,2-DCE = 6,000 J PCE = 12,000,000 TCE = 24,000 J
--

6-1-11 DETECTED VOCs PCE = 3,100,000 TCE = 6,000 J

Tables

TABLE 2
SUB-SLAB VAPOR ANALYTICAL RESULTS

Smoke-Out Cleaners
1631 Brookfield Avenue, Suite D-4
Howard, Wisconsin
Project No. 1E-1105023

Analyte	Sample Location											WDNR Soil Gas Sub-Slab VRSLs ¹ (µg/m ³)	
	VP-1	VP-2	VP-3					VP-4					
Sample Date	6/1/11	6/1/11	3/30/16	6/3/16	9/29/16	3/15/17	10/25/17	3/30/16	6/3/16	9/29/16	3/15/17	10/25/17	Small Commerical
Detected VOCs (µg/m³)													
1,1-Dichloroethene	<59,000	<16,000	<0.35	<0.34	<7.1	<0.34	<18.4	<59.0	<0.34	1.2	<6.6	<17.1	29,000
trans-1,2-Dichloroethene	<59,000	<16,000	<0.57	<0.55	<11.4	<0.55	<22.9	<95.2	28.9	67.6	54.8	<21.2	NS
cis-1,2-Dichloroethene	6,000 J	<16,000	<0.37	1.8	55.2 J	<0.35	<26.4	6,080	12,000	36,200	12,600	4,870	NS
Tetrachloroethene	12,000,000	3,100,000	2,010	2,870	5,960	<0.40	3,050	889,000	1,050,000	1,280,000	604,000	564,000	6,000
Trichloroethene	24,000 J	6,000 J	<0.41	3.2	75.0 J	0.44 J	<20.8	5,820	13,200	36,400	13,200	6,010	290
Vinyl chloride	<38,000	<10,000	<0.29	<0.28	<5.8	<0.28	<9.8	<48.4	<0.28	12.4	<5.4	<9.1	930

Notes:
VOCs: Volatile Organic Compounds
µg/m³: Micrograms per cubic meter
J: Analyte detected between its laboratory detection and quantitation limits and the result is estimated.
NS: No Established Standard
 <xx.x: Analyte detected below its laboratory limit of detection
xx.x: Analyte detected above VRSL for small commercial buildings with pertinent attenuation factor applied.

¹Wisconsin Department of Natural Resources (WDNR) Vapor Risk Screening Level (VRSL) for sub-slab soil gas with an applied attenuation factor of 0.03 for small commercial buildings (Source: "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin," WDNR Publication RR-800, Update: July 2012)

**TABLE 2
SUB-SLAB VAPOR ANALYTICAL RESULTS**

Smoke-Out Cleaners
1631 Brookfield Avenue, Suite D-4
Howard, Wisconsin
Project No. 1E-1105023

Analyte	Sample Location										WDNR Soil Gas Sub-Slab VRSLs ¹ (µg/m ³)
	VP-5					VP-6					
Sample Date	3/30/16	6/3/16	9/29/16	3/15/17	10/25/17	3/30/16	6/3/16	9/29/16	3/15/17	10/25/17	Small Commerical
Detected VOCs (µg/m³)											
1,1-Dichloroethene	<59.0	3.2	<14.8	<6.9	<17.1	<0.35	<0.35	<0.35	<7.1	<18.4	29,000
trans-1,2-Dichloroethene	119 J	114	238	168	78.9	<0.57	<0.57	<0.57	<11.4	<22.9	NS
cis-1,2-Dichloroethene	11,800	22,400	39,100	12,800	20,100	5.0	0.74 J	<0.37	<7.3	<26.4	NS
Tetrachloroethene	270,000	196,000	309,000	93,700	162,000	3,540	497	1,140	2,670	2,600	6,000
Trichloroethene	7,090	12,000	27,500	7,040	7,580	12.5	0.68 J	<0.41	<8.2	<20.8	290
Vinyl chloride	<48.4	2.6	<12.1	9.6	<9.1	<0.29	<0.29	<0.29	<5.8	<9.8	930

Notes:

VOCs: Volatile Organic Compounds

µg/m³: Micrograms per cubic meter

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<xx.x: Analyte detected below its laboratory limit of detection

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¹Wisconsin Department of Natural Resources (WDNR) Vapor Risk Screening Level (VRSL) for sub-slab soil gas with an applied attenuation factor of 0.03 for small commercial buildings (Source: "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin," WDNR Publication RR-800, Update: July 2012)

TABLE 2
SUB-SLAB VAPOR ANALYTICAL RESULTS

Smoke-Out Cleaners
1631 Brookfield Avenue, Suite D-4
Howard, Wisconsin
Project No. 1E-1105023

Analyte	Sample Location								WDNR Soil Gas Sub-Slab VRSLs ¹ (µg/m ³)
	VP-7				VP-8				
Sample Date	6/3/16	9/29/16	3/15/17	10/25/17	6/3/16	9/29/16	3/15/17	10/25/17	Small Commerical
Detected VOCs (µg/m ³)									
1,1-Dichloroethene	<0.38	<0.35	<6.6	<17.7	<0.37	<0.34	<6.9	<17.7	29,000
trans-1,2-Dichloroethene	<0.62	0.99 J	<10.7	<22.0	<0.60	<0.55	<11.1	<22.0	NS
cis-1,2-Dichloroethene	<0.40	16.5	41.3	<25.4	<0.38	<0.35	<7.1	<25.4	NS
Tetrachloroethene	13,800	24,200	16,200	11,200	13,600	19,200	5,360	11,200	6,000
Trichloroethene	156	1,270 J	454	<20.0	2.1	7.1	<7.9	<20.0	290
Vinyl chloride	<0.31	<0.29	<5.4	<9.4	<0.30	<0.28	<5.6	<9.4	930

Notes:

VOCs: Volatile Organic Compounds

µg/m³: Micrograms per cubic meter

J: Analyte detected between its laboratory detection and quantitation limits and the result is estimated.

NS: No Established Standard

<xx.x: Analyte detected below its laboratory limit of detection

xx.x: Analyte detected above VRSL for small commercial buildings with pertinent attenuation factor applied.

¹Wisconsin Department of Natural Resources (WDNR) Vapor Risk Screening Level (VRSL) for sub-slab soil gas with an applied attenuation factor of 0.03 for small commercial buildings (Source: "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin," WDNR Publication RR-800, Update: July 2012)

TABLE 4
GROUNDWATER ELEVATION SUMMARY
SMOKE-OUT CLEANERS
1631 Brookfield Avenue, Suite D-4
Howard, Wisconsin
Project No. 1E-1105023

Well ID	Elevation (TOC)*	Elevation Ground Surface	Well Depth	Screen Length	Groundwater Depth (TOC)	Calculated Groundwater Elevation	Date Groundwater Gauged
MW-1	99.92	100.07	7.00	5.00	3.01	96.91	6/1/11
					4.73	95.19	2/10/15
					1.32	98.60	3/31/16
					2.76	97.16	5/6/16
					2.63	97.29	6/2/16
					2.99	96.93	9/28/16
					2.91	97.01	3/15/17
				2.84	97.08	10/25/17	
MW-2	100.04	100.13	7.00	5.00	2.96	97.08	6/1/11
					4.84	95.20	2/10/15
					2.05	97.99	3/31/16
					2.88	97.16	5/6/16
					2.76	97.28	6/2/16
					3.16	96.88	9/29/16
					3.06	96.98	3/15/17
				2.97	97.07	10/25/17	
MW-3	99.94	100.10	7.00	5.00	3.00	96.94	6/1/11
					4.76	95.18	2/10/15
					1.97	97.97	3/31/16
					2.81	97.13	5/6/16
					2.66	97.28	6/2/16
					3.04	96.90	9/28/16
					2.95	96.99	3/15/17
				2.85	97.09	10/25/17	
MW-4	99.94	100.11	7.00	5.00	3.09	96.85	6/1/11
					4.83	95.11	2/10/15
					1.97	97.97	3/31/16
					2.79	97.15	5/6/16
					2.73	97.21	6/3/16
					3.08	96.86	9/29/16
					2.92	97.02	3/15/17
				2.84	97.10	10/25/17	
MW-5	99.57	99.73	6.00	5.00	1.32	98.25	3/31/16
					2.33	97.24	5/6/16
					2.21	97.36	6/2/16
					2.50	97.07	9/28/16
					2.56	97.01	3/14/17
					2.43	97.14	10/25/17
MW-6	99.59	99.73	6.50	5.00	1.36	98.23	3/31/16
					2.37	97.22	5/6/16
					2.26	97.33	6/2/16
					2.58	97.01	9/28/16
					2.43	97.16	3/14/17
					2.42	97.17	10/25/17
MW-7	99.69	99.81	6.50	5.00	1.46	98.23	3/31/16
					2.66	97.03	5/6/16
					2.60	97.09	6/3/16
					2.94	96.75	9/28/16
					2.86	96.83	3/14/17
					2.69	97.00	10/25/17
MW-8	99.24	99.43	6.50	5.00	2.60	96.64	6/3/16
					2.70	96.54	9/28/16
					3.02	96.22	3/14/17
					2.79	96.45	10/25/17
MW-9	98.88	99.11	6.50	5.00	2.06	96.82	6/3/16
					2.32	96.56	9/28/16
					2.39	96.49	3/14/17
					2.16	96.72	10/25/17
PZ-1	99.47	99.57	26.31	5.00	11.61	87.86	3/15/17
					2.74	96.73	10/25/17

Notes:

TOC: Top of Casing

All elevations were recorded in feet and referenced to an arbitrary 100 foot local benchmark (top of concrete at north side of the overhead door to the Smoke-Out unit, west side of the building)

TABLE 5
INDOOR AIR ANALYTICAL RESULTS
Smoke-Out Cleaners
1631 Brookfield Avenue, Suite D-4
Howard, Wisconsin
Project No. 1E-1105023

Analyte	Sample Location		WDNR Indoor Air VAL ¹ (µg/m ³)
	IA-1	IA-2	
Sample Date	10/25/17	10/25/17	Small Commercial
Detected VOCs (µg/m³)			
Tetrachloroethene	<u>3,990</u>	21.8	180
Trichloroethene	1.1 J	<0.39	8.8

Notes:

VAL: Vapor Action Level

VOCs: Volatile Organic Compounds

µg/m³: Micrograms per cubic meter

J: Analyte detected between its laboratory detection and quantitation limits and the result is estimated.

NS: No Established Standard

<xx.x: Analyte detected below its laboratory limit of detection

xx.x: Analyte detected above VAL for small commercial buildings

¹Wisconsin Department of Natural Resources (WDNR) Vapor Action Level (VAL) for indoor air for small commercial buildings (Source: "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin," WDNR Publication RR-800, Update: July 2012)

Attachments

November 06, 2017

Steve Owens
Giles Engineering
N8 W22350 S. Johnson Drive
Waukesha, WI 53186

RE: Project: 1E-1105023 Smoke Out Green Bay
Pace Project No.: 10408594

Dear Steve Owens:

Enclosed are the analytical results for sample(s) received by the laboratory on October 26, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Megan McCabe
megan.mccabe@pacelabs.com
(612)607-1700
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10408594

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10408594

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10408594001	VP-3	Air	10/25/17 10:58	10/26/17 09:45
10408594002	VP-4	Air	10/25/17 09:57	10/26/17 09:45
10408594003	VP-5	Air	10/25/17 09:47	10/26/17 09:45
10408594004	VP-6	Air	10/25/17 11:10	10/26/17 09:45
10408594005	VP-7	Air	10/25/17 11:21	10/26/17 09:45
10408594006	VP-8	Air	10/25/17 09:35	10/26/17 09:45
10408594007	IA-1	Air	10/25/17 16:10	10/26/17 09:45
10408594008	IA-2	Air	10/25/17 16:00	10/26/17 09:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10408594

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10408594001	VP-3	TO-15	AFV	6
10408594002	VP-4	TO-15	AFV	6
10408594003	VP-5	TO-15	AFV	6
10408594004	VP-6	TO-15	AFV	6
10408594005	VP-7	TO-15	AFV	6
10408594006	VP-8	TO-15	AFV	6
10408594007	IA-1	TO-15	AFV	6
10408594008	IA-2	TO-15	AFV	6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10408594

Sample: VP-3 Lab ID: 10408594001 Collected: 10/25/17 10:58 Received: 10/26/17 09:45 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
1,1-Dichloroethene	<18.4	ug/m3	156	18.4	77.5		11/01/17 17:45	75-35-4	
cis-1,2-Dichloroethene	<26.4	ug/m3	62.8	26.4	77.5		11/01/17 17:45	156-59-2	
trans-1,2-Dichloroethene	<22.9	ug/m3	62.8	22.9	77.5		11/01/17 17:45	156-60-5	
Tetrachloroethene	3050	ug/m3	53.4	22.2	77.5		11/01/17 17:45	127-18-4	
Trichloroethene	<20.8	ug/m3	84.6	20.8	77.5		11/01/17 17:45	79-01-6	
Vinyl chloride	<9.8	ug/m3	40.3	9.8	77.5		11/01/17 17:45	75-01-4	

Sample: VP-4 Lab ID: 10408594002 Collected: 10/25/17 09:57 Received: 10/26/17 09:45 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
1,1-Dichloroethene	<17.1	ug/m3	145	17.1	72		11/01/17 18:08	75-35-4	
cis-1,2-Dichloroethene	4870	ug/m3	58.3	24.6	72		11/01/17 18:08	156-59-2	
trans-1,2-Dichloroethene	<21.2	ug/m3	58.3	21.2	72		11/01/17 18:08	156-60-5	
Tetrachloroethene	564000	ug/m3	12700	2650	9216.1		11/03/17 13:15	127-18-4	A3
Trichloroethene	6010	ug/m3	78.6	19.3	72		11/01/17 18:08	79-01-6	
Vinyl chloride	<9.1	ug/m3	37.4	9.1	72		11/01/17 18:08	75-01-4	

Sample: VP-5 Lab ID: 10408594003 Collected: 10/25/17 09:47 Received: 10/26/17 09:45 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
1,1-Dichloroethene	<17.1	ug/m3	145	17.1	72		11/01/17 18:30	75-35-4	
cis-1,2-Dichloroethene	20100	ug/m3	233	98.2	288		11/02/17 11:39	156-59-2	A3
trans-1,2-Dichloroethene	78.9	ug/m3	58.3	21.2	72		11/01/17 18:30	156-60-5	
Tetrachloroethene	162000	ug/m3	1590	331	1152		11/02/17 23:22	127-18-4	A3
Trichloroethene	7580	ug/m3	78.6	19.3	72		11/01/17 18:30	79-01-6	
Vinyl chloride	<9.1	ug/m3	37.4	9.1	72		11/01/17 18:30	75-01-4	

Sample: VP-6 Lab ID: 10408594004 Collected: 10/25/17 11:10 Received: 10/26/17 09:45 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
1,1-Dichloroethene	<18.4	ug/m3	156	18.4	77.5		11/01/17 18:52	75-35-4	
cis-1,2-Dichloroethene	<26.4	ug/m3	62.8	26.4	77.5		11/01/17 18:52	156-59-2	
trans-1,2-Dichloroethene	<22.9	ug/m3	62.8	22.9	77.5		11/01/17 18:52	156-60-5	
Tetrachloroethene	2600	ug/m3	53.4	22.2	77.5		11/01/17 18:52	127-18-4	
Trichloroethene	<20.8	ug/m3	84.6	20.8	77.5		11/01/17 18:52	79-01-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10408594

Sample: VP-6 **Lab ID: 10408594004** Collected: 10/25/17 11:10 Received: 10/26/17 09:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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TO15 MSV AIR Analytical Method: TO-15

Vinyl chloride	<9.8	ug/m3	40.3	9.8	77.5		11/01/17 18:52	75-01-4	
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Sample: VP-7 **Lab ID: 10408594005** Collected: 10/25/17 11:21 Received: 10/26/17 09:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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TO15 MSV AIR Analytical Method: TO-15

1,1-Dichloroethene	<17.1	ug/m3	145	17.1	72		11/01/17 19:14	75-35-4	
cis-1,2-Dichloroethene	<24.6	ug/m3	58.3	24.6	72		11/01/17 19:14	156-59-2	
trans-1,2-Dichloroethene	<21.2	ug/m3	58.3	21.2	72		11/01/17 19:14	156-60-5	
Tetrachloroethene	8120	ug/m3	49.6	20.7	72		11/01/17 19:14	127-18-4	
Trichloroethene	255	ug/m3	78.6	19.3	72		11/01/17 19:14	79-01-6	
Vinyl chloride	<9.1	ug/m3	37.4	9.1	72		11/01/17 19:14	75-01-4	

Sample: VP-8 **Lab ID: 10408594006** Collected: 10/25/17 09:35 Received: 10/26/17 09:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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TO15 MSV AIR Analytical Method: TO-15

1,1-Dichloroethene	<17.7	ug/m3	150	17.7	74.5		11/01/17 19:36	75-35-4	
cis-1,2-Dichloroethene	<25.4	ug/m3	60.3	25.4	74.5		11/01/17 19:36	156-59-2	
trans-1,2-Dichloroethene	<22.0	ug/m3	60.3	22.0	74.5		11/01/17 19:36	156-60-5	
Tetrachloroethene	11200	ug/m3	51.3	21.4	74.5		11/01/17 19:36	127-18-4	
Trichloroethene	<20.0	ug/m3	81.4	20.0	74.5		11/01/17 19:36	79-01-6	
Vinyl chloride	<9.4	ug/m3	38.7	9.4	74.5		11/01/17 19:36	75-01-4	

Sample: IA-1 **Lab ID: 10408594007** Collected: 10/25/17 16:10 Received: 10/26/17 09:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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TO15 MSV AIR Analytical Method: TO-15

1,1-Dichloroethene	<0.34	ug/m3	2.9	0.34	1.44		11/01/17 16:11	75-35-4	
cis-1,2-Dichloroethene	<0.49	ug/m3	1.2	0.49	1.44		11/01/17 16:11	156-59-2	
trans-1,2-Dichloroethene	<0.42	ug/m3	1.2	0.42	1.44		11/01/17 16:11	156-60-5	
Tetrachloroethene	3990	ug/m3	199	41.3	144		11/02/17 11:17	127-18-4	A3
Trichloroethene	1.1J	ug/m3	1.6	0.39	1.44		11/01/17 16:11	79-01-6	
Vinyl chloride	<0.18	ug/m3	0.75	0.18	1.44		11/01/17 16:11	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10408594

Sample: IA-2 **Lab ID: 10408594008** Collected: 10/25/17 16:00 Received: 10/26/17 09:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	<0.34	ug/m3	2.9	0.34	1.44		11/01/17 16:39	75-35-4	
cis-1,2-Dichloroethene	<0.49	ug/m3	1.2	0.49	1.44		11/01/17 16:39	156-59-2	
trans-1,2-Dichloroethene	<0.42	ug/m3	1.2	0.42	1.44		11/01/17 16:39	156-60-5	
Tetrachloroethene	21.8	ug/m3	0.99	0.41	1.44		11/01/17 16:39	127-18-4	
Trichloroethene	<0.39	ug/m3	1.6	0.39	1.44		11/01/17 16:39	79-01-6	
Vinyl chloride	<0.18	ug/m3	0.75	0.18	1.44		11/01/17 16:39	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10408594

QC Batch: 505971

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Associated Lab Samples: 10408594001, 10408594002, 10408594003, 10408594004, 10408594005, 10408594006, 10408594007, 10408594008

METHOD BLANK: 2750049

Matrix: Air

Associated Lab Samples: 10408594001, 10408594002, 10408594003, 10408594004, 10408594005, 10408594006, 10408594007, 10408594008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/m3	<0.24	2.0	11/01/17 10:30	MN
cis-1,2-Dichloroethene	ug/m3	<0.34	0.81	11/01/17 10:30	
Tetrachloroethene	ug/m3	<0.29	0.69	11/01/17 10:30	
trans-1,2-Dichloroethene	ug/m3	<0.30	0.81	11/01/17 10:30	
Trichloroethene	ug/m3	<0.27	1.1	11/01/17 10:30	MN
Vinyl chloride	ug/m3	<0.13	0.52	11/01/17 10:30	MN

LABORATORY CONTROL SAMPLE: 2750050

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/m3	40.3	41.9	104	70-130	
cis-1,2-Dichloroethene	ug/m3	40.3	48.6	121	70-133	
Tetrachloroethene	ug/m3	68.9	78.6	114	70-130	
trans-1,2-Dichloroethene	ug/m3	40.3	51.3	127	70-131	
Trichloroethene	ug/m3	54.6	61.0	112	70-130	
Vinyl chloride	ug/m3	26	24.0	92	70-130	

SAMPLE DUPLICATE: 2750951

Parameter	Units	10408817001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/m3	ND	<0.33		25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.47		25	
Tetrachloroethene	ug/m3	ND	<0.40		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.41		25	
Trichloroethene	ug/m3	ND	<0.37		25	
Vinyl chloride	ug/m3	ND	<0.18		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10408594

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10408594

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10408594001	VP-3	TO-15	505971		
10408594002	VP-4	TO-15	505971		
10408594003	VP-5	TO-15	505971		
10408594004	VP-6	TO-15	505971		
10408594005	VP-7	TO-15	505971		
10408594006	VP-8	TO-15	505971		
10408594007	IA-1	TO-15	505971		
10408594008	IA-2	TO-15	505971		

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10408574

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: Epiles Engineering Address: NE W22350 Johnson Drive Email To: Sowens@epileseng.com Phone: _____ Fax: _____ Requested Due Date/TAT: 7 day	Section B Required Project Information: Report To: Steve Owens Copy To: _____ Purchase Order No.: _____ Project Name: Smoke Out Green Bay Project Number: IE-1105023	Section C Invoice Information: Attention: _____ Company Name: _____ Address: _____ Pace Quote Reference: _____ Pace Project Manager/Sales Rep. _____ Pace Profile #: 37926	<div style="font-size: 2em; font-weight: bold;">29886</div> Page: 1 of 1
Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other _____			Location of Sampling by State _____
Reporting Units ug/m ³ _____ mg/m ³ _____ PPBV _____ PPMV _____ Other _____			Report Level II _____ III _____ IV _____ Other _____

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - In Hg)	Canister Pressure (Final Field - In Hg)	Summa Can Number	Flow Control Number	Method:								Pace Lab ID	
					COMPOSITE START		COMPOSITE - END/GRAB						PM10	3c - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated		
					DATE	TIME	DATE	TIME														
1	VP-3		6LC		10/25/17	921		1058	30	5	1216	0936									001	
2	VP-4					917		957	30	4	1265	2828										002
3	VP-5					910		947	30	3	1279	1111										003
4	VP-6					1035		1110	29	4	2823	0798										004
5	VP-7					1039		1121	30	3	2378	0896										005
6	VP-8					855		935	30	4	0960	2806										006
7	IA-1					810	1610	1610	30	0	2140	1086										007
8	IA-2					800	1600	1600	30	0	2674	1085										008

Comments:
 * 11-DCE
 trans-1,2-DCE
 cis-1,2-DCE
 PCE
 TCE
 Vinyl chloride
 ORIGINAL

* Summa's are in 2 Boxes

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<i>Kelly Hayden</i>	10/25/17	1645	<i>Monty / Pace</i>	10/26/17	945	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: *Kelly Hayden*
 SIGNATURE of SAMPLER: *Kelly Hayden* DATE Signed (MM/DD/YY) **10/25/17**

Air Sample Condition Upon Receipt **Client Name:** Giles Eng. **Project #:** **WO# : 10408594**

Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: Walter

Tracking Number: _____



Custody Seal on Cooler/Box Present? Yes No **Seals Intact?** Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ **Temp Blank rec:** Yes No

Temp. (TO17 and TO13 samples only) (°C): X **Corrected Temp (°C):** X **Thermom. Used:** 151401163
 687A9155100842

Temp should be above freezing to 6°C **Correction Factor:** X **Date & Initials of Person Examining Contents:** 10-26-17 AA

Type of ice Received Blue Wet None

			Comments:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		10.
Media: <u>Air Can</u> Airbag Filter TDT Passive			11. Individually Certified Cans Y <u>N</u> (list which samples)
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		12.

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
VP-3			-4	+5					
-4			-2	"					
-5			-2	"					
-6		0794	-4	"					
-7			-2	"					
-8			-3	"					
IA-1			-2	"					
-2			-2	"					

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** Yes No

Person Contacted: _____ **Date/Time:** _____

Comments/Resolution: _____

Project Manager Review: Megan McCalve **Date:** 10/26/17

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Geotechnical, Environmental & Construction Materials Consultants



GILES
ENGINEERING ASSOCIATES, INC.
www.gilesengr.com

ATLANTA, GA
(770) 458-3399

DALLAS, TX
(214) 358-5885

LOS ANGELES, CA
(714) 279-0817

MILWAUKEE, WI
(262) 544-0118

ORLANDO, FL
(407) 321-5356

TAMPA, FL
(813) 283-0096

BALTIMORE/WASHINGTON, D.C.
(410) 636-9320