

**GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM:** Completion of this form is required under s. NR 724.13(3), Wis. Adm. Code. A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Failure to submit this form as required is a violation of s. NR 724.13(3), Wis. Adm. Code, and is subject to the penalties in s. 292.99, Wis. Stats. This form must be submitted every six months for soil or groundwater remediation projects that report operation and maintenance progress in accordance with s. NR 724.13(3), Wis. Adm. Code.

Note: Long-term monitoring results submitted in accordance with s. NR 724.17(3), Wis. Adm. Code are required to be submitted within 10 business days of receiving sampling results and are not required to be submitted using this form. However, portions of this form require monitoring data summary information that may be based on information previously submitted in accordance with s. NR 724.17(3), Wis. Adm. Code.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if this form is required to be submitted at sites responded to under the Federal Comprehensive Environmental Response and Compensation Act (commonly known as Superfund) or an equivalent State lead Superfund response.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and obtain prior written approval for any omissions or changes.

Submission of this form is not a substitute for reporting required by Department programs such as Waste Water or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.). Unless otherwise noted, all citations refer to Wisconsin Administrative Code.

Note: There is a separate semi-annual report required under s. NR 700.11(1), Wis. Adm. Code. Reporting under that provision is through an internet-based form:

<http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf>

**Section GI - General Site Information**

**A. General Information**

1. Site name

One Hour Martinizing - Oconomowoc

2. Reporting period from:	07/01/2017	To:	12/31/2017	Days in period:	184
3. Regulatory agency (enter DNR, DATCP and/or other)			4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific)		
DNR			02-68-551911		

5. Site location						
Region	County	Address				
Southeast Region	Waukesha	36929 Plank Rd				
Municipality name <input type="radio"/> City <input type="radio"/> Town <input checked="" type="radio"/> Village		Township	Range	<input checked="" type="radio"/> E <input type="radio"/> W	Section	<input type="radio"/> ¼ <input type="radio"/> ¼
Oconomowoc Lake		07 N	17	<input type="radio"/> W	3	NW NW

6. Responsible party		7. Consultant	
Name		<input type="checkbox"/> Select if the following information has changed since the last submittal	
Brian Cass		Company name	
Mailing address		EnviroForensics, LLC	
W229 N2494 County Road F, Waukesha, WI 53186		Mailing address	Phone number
Phone number		N16 W23390 Stone Ridge Dr. Suite G	(317) 972-7870
(262) 521-9710			

8. Contaminants  
 PCE

9. Soil types (USCS or USDA)  
 Silty Sand

10. Hydraulic conductivity(cm/sec):	11. Average linear velocity of groundwater (ft/yr)
0.02	355

12. If soil is treated ex situ, is the treatment location off site?  Yes  No

If yes, give location: Region \_\_\_\_\_ County \_\_\_\_\_

Municipality name <input type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village	Township	Range	<input type="radio"/> E <input checked="" type="radio"/> W	Section	<input type="radio"/> ¼ <input type="radio"/> ¼
	N				

Site name: One Hour Martinizing - Oconomowoc  
Reporting period from: 07/01/2017 To: 12/31/2017  
Days in period: 184

## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

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### B. Remediation Method

Only submit sections that apply to an individual site. Check all that apply:

- Groundwater extraction (submit a completed Section GW-1).
- Free product recovery (submit a completed Section GW-1).
- In situ air sparging (submit a completed Section GW-2).
- Groundwater natural attenuation (submit a completed Section GW-3).
- Other groundwater remediation method (submit a completed Section GW-4).
- Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- Soil natural attenuation (submit a completed Section IS-2).
- Other in situ soil remediation method (submit a completed Section IS-3).
- Biopiles (submit a completed Section ES-1).
- Landspreading/thinspreading of petroleum contaminated soil (submit a completed Section ES-2).
- Other ex situ remediation method (submit a completed Section ES-3).
- Site is a landfill (submit a completed Section LF-1).

### C. General Effectiveness Evaluation for All Active Systems

If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications?  Yes  No

If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.

2. Are modifications to the system warranted to improve effectiveness  Yes  No

If yes, explain:

3. Is natural attenuation an effective low cost option at this time?  Yes  No

4. Is closure sampling warranted at this time?  Yes  No

5. Are there any modifications that can be made to the remediation to improve cost effectiveness?  Yes  No

If yes, explain:

### D. Economic and Cost Data to Date

1. Total investigation cost: \$469,100.00

2. Implementation costs (design, capital and installation costs, excluding investigation costs): \$221,800.00

3. Total costs during the previous reporting period: \$36,500.00

4. Total costs during this reporting period: \$22,190.00

5. Total anticipated costs for the next reporting period: \$15,000.00

6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above?  Yes  No

If yes, explain:

7. If closure is anticipated within 12 months, estimated costs for project closeout: \_\_\_\_\_

Site name: One Hour Martinizing - Oconomowoc  
 Reporting period from: 07/01/2017 To: 12/31/2017  
 Days in period: 184

**E. Name(s), Signature(s) and Date of Person(s) Submitting Form**

Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form for sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no response activities during the six month reporting period.

**Registered Professional Engineers:**

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name Andrew Horwath	Title Senior Engineer
Signature <i>Andrew D. Horwath</i>	Date 1/29/2018

**Hydrogeologists:**

I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name Brian Kappen	Title Project Manager
Signature <i>Brian Kappen</i>	Date 1/29/2018

**Scientists:**

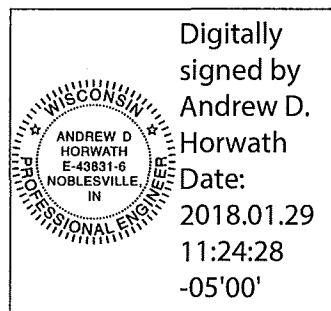
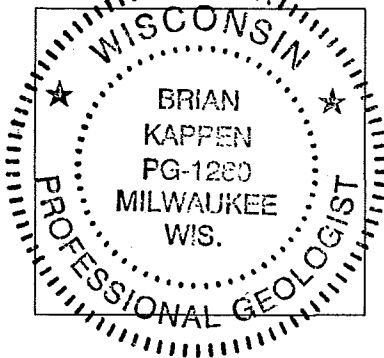
I hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	Date

**Other Persons:**

Print name	Title
Signature	Date

**Professional Seal(s), if applicable**



Site name: One Hour Martinizing - Oconomowoc

Reporting period from: 07/01/2017 To: 12/31/2017

Days in period: 184

## Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

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### Section IS-1, Soil Venting (Including Soil Vapor Extraction, Building Venting and Bioventing)

#### A. Soil Venting Operation

**Note:** This form is not required for building vapor mitigation systems that are installed proactively to protect building occupants/users and are not considered part of ongoing active soil remediation.

1. Number of air extraction wells available and number of wells actually in use during the period: 2

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):  
140

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:  
76.1%  
The motor and blower required non-routine maintenance and repair. The system did not operate while the repair was coordinated. The system is presently operating.

4. Average depth to groundwater: 27.86 feet

#### B. Building Basement/Subslab Venting System Operation

1. Number of venting points available and number of points actually in use during the period: \_\_\_\_\_

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): \_\_\_\_\_

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain: \_\_\_\_\_

#### C. Effectiveness Evaluation

1. Average contaminant removal rate for the entire system: 0.034 pounds per day

2. Average contaminant removal rate per well or venting point: 0.017 pounds per day

3. If the average contaminant removal rate is less than one pound per day for the entire system, or if the average contaminant removal rate per well is less than one tenth of a pound per day, evaluate the following:

a. If contaminants are aerobically biodegradable and confirmation borings have not been drilled in the past year:

- i. Oxygen levels in extracted air: \_\_\_\_\_ percent
- ii. Methane levels in extracted air (ppmv) If over 10 ppmv, explain: \_\_\_\_\_

iii. If methane is not present above 10 ppmv and if oxygen is greater than 20 percent in extracted air, you should either:

- o Drill confirmation borings during the next reporting period, if the entire site should be considered for closure.
- o Or, perform an in situ respirometry test in a zone of high contamination. Do not perform the test in an air extraction well, use a gas probe or water table well. If a zero order rate of decay based on oxygen depletion is less than 2 mg/kg per day, then you should drill confirmation borings, if the entire site should be considered for closure. If the rate of decay is between 2 and 10 mg/kg, operate for one more reporting period before evaluating further. If the zero order rate of decay is greater than 10 mg/kg total hydrocarbons, continue operating the system in a manner that maximizes aerobic biodegradation.

b. If contaminants are not aerobically biodegradable and confirmation borings have not been recently drilled during the past year, you should drill confirmation borings during the next reporting period if the entire site should be considered for closure.

c. If soil borings were drilled during the past year and soil contamination remains above acceptable levels, explain if the system effectiveness can be increased and/or if other options need to be considered to achieve cleanup criteria.

#### D. Additional Attachments






Attach the following to this form:

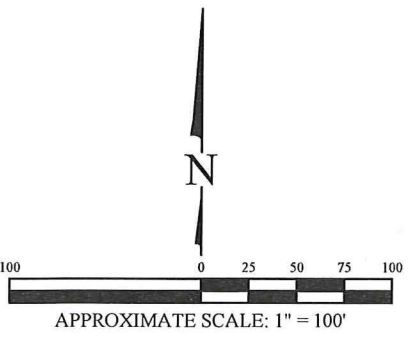
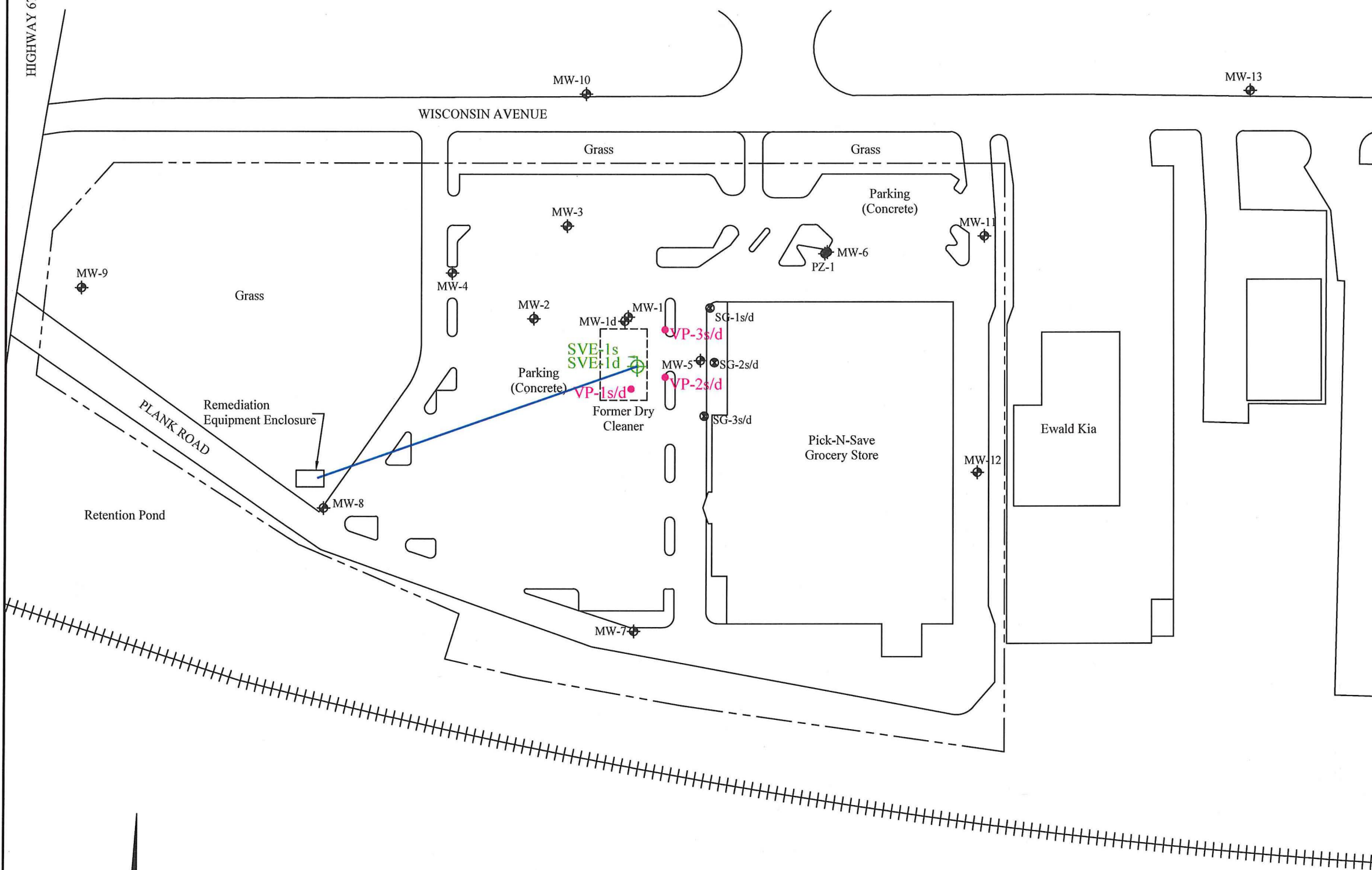
- Well and soil sample location map indicating all air extraction wells. If forced air injection wells are also in use, identify those wells.
- If water table monitoring wells are present at the site, a map of well locations.
- Time versus vapor phase contaminant concentration graph.
- Time versus cumulative contaminant removal graph.
- Groundwater elevations table, if water table wells are present at the site; also list screen lengths and elevations.
- Table of soil contaminant chemistry data.
- Soil gas data, if gas probes are used to monitor subsurface conditions in locations other than where air is extracted.
- System operational data table.

HIGHWAY 67

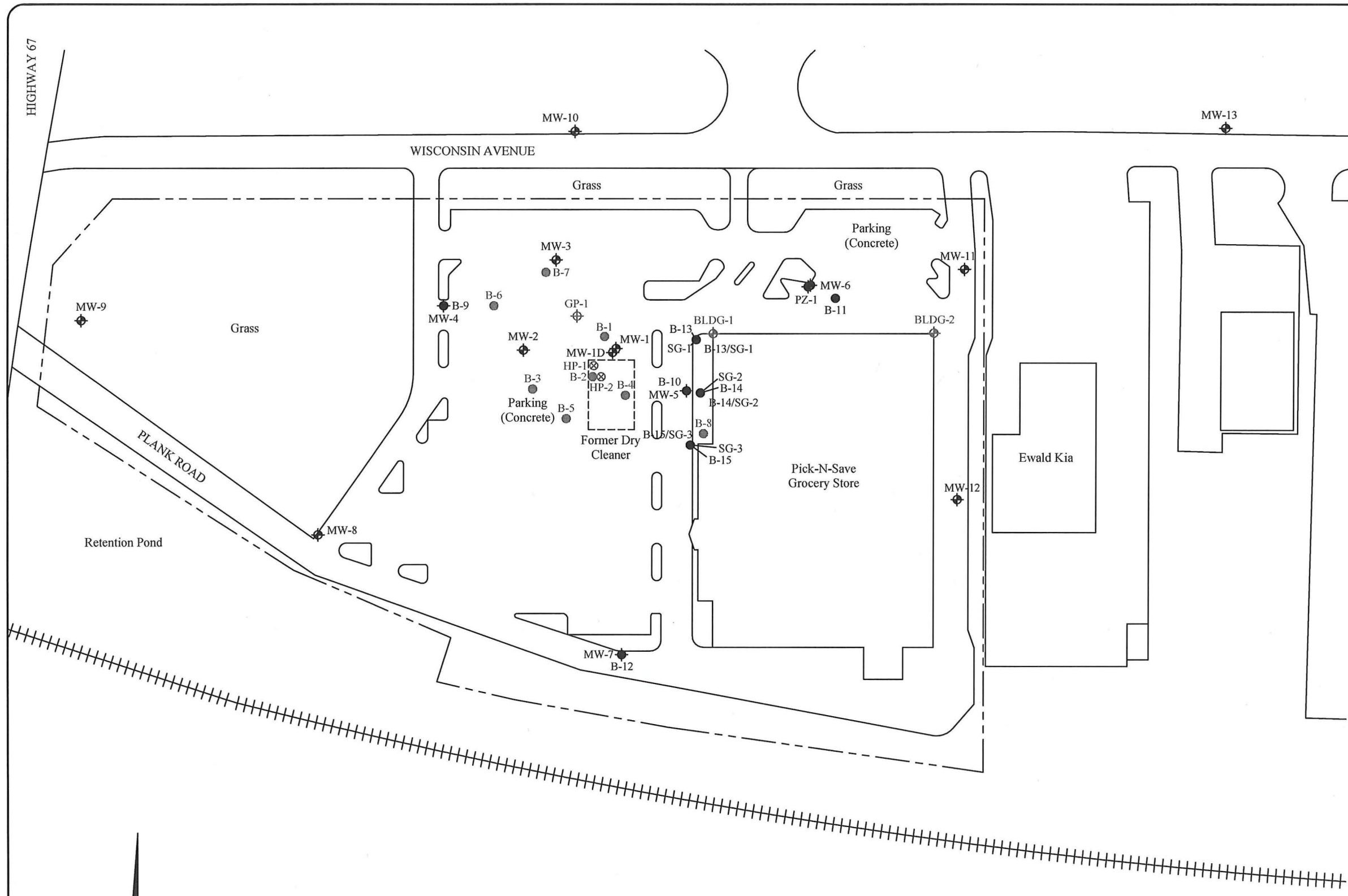
WISCONSIN AVENUE

### Legend

- Property boundary
- MW-1  Monitoring well sample location
- SG-1  Soil gas sampling point
- SVE-1s/d  SVE wells
- VP-1s/d  Nested vacuum monitoring point
-  Subsurface conveyance piping

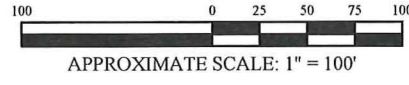


<b>SVE SYSTEM LAYOUT</b>															
Martinizing Dry Cleaning 36929 Plank Road Oconomowoc, WI															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Date:</td><td>10/18/16</td></tr> <tr><td>Designed:</td><td>EB</td></tr> <tr><td>Drawn:</td><td>EB</td></tr> <tr><td>Checked:</td><td>BK</td></tr> <tr><td>DWG file:</td><td>6143-0540</td></tr> </table>	Date:	10/18/16	Designed:	EB	Drawn:	EB	Checked:	BK	DWG file:	6143-0540	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">Figure <b>1</b></td> </tr> <tr> <td style="text-align: center;"> <b>ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.</b>            602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204            EnviroForensics.com         </td> <td style="text-align: center;">Project <b>6143</b></td> </tr> </table>		Figure <b>1</b>	<b>ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.</b> 602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204 EnviroForensics.com	Project <b>6143</b>
Date:	10/18/16														
Designed:	EB														
Drawn:	EB														
Checked:	BK														
DWG file:	6143-0540														
	Figure <b>1</b>														
<b>ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.</b> 602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204 EnviroForensics.com	Project <b>6143</b>														



**Legend**

- Property boundary
- MW-1 ⊕ Monitoring well sample location
- SG-1 ⊗ Soil gas sample location
- B-9 ● Soil boring location (EnviroForensics)
- B-1 ● Soil boring location (KPRG)
- GP-1 ⊕ Preliminary site assessment borings (Giles)
- HP-1 ⊗ Soil boring location (Giles)



**SAMPLE LOCATION MAP**

Martinizing Dry Cleaning  
 36929 Plank Road  
 Oconomowoc, WI

Date:	3/7/14
Designed:	EB
Drawn:	EB
Checked:	BB
DWG file:	6143-0198

**ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.**  
 602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204  
 EnviroForensics.com

Figure	2
Project	6143



HIGHWAY 67

WISCONSIN AVENUE

PLANK ROAD

Retention Pond

MW-10

DP-16/MW-18

MW-13

MW-16

DP-21/MW-20

DP-20/MW-19

Grass

Grass

Parking  
(Concrete)

Grass

MW-3

MW-11

PZ-2

MW-14

MW-9

MW-4

MW-2

MW-1D

MW-1

Parking  
(Concrete)

MW-5

Former Dry  
Cleaner

MW-17

MW-15

Pick-N-Save  
Grocery Store

Ewald Kia

MW-12

MW-8

MW-7

MONITORING WELL LOCATION MAP

Martinizing Dry Cleaning  
36929 Plank Road  
Oconomowoc, WI

Date:	5/1/15
Designed:	EB
Drawn:	EB
Checked:	KH
DWG file:	6143-0135



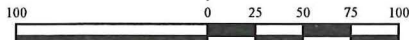
825 North Capitol Avenue • Indianapolis, IN 46204  
EnviroForensics.com

Figure

3

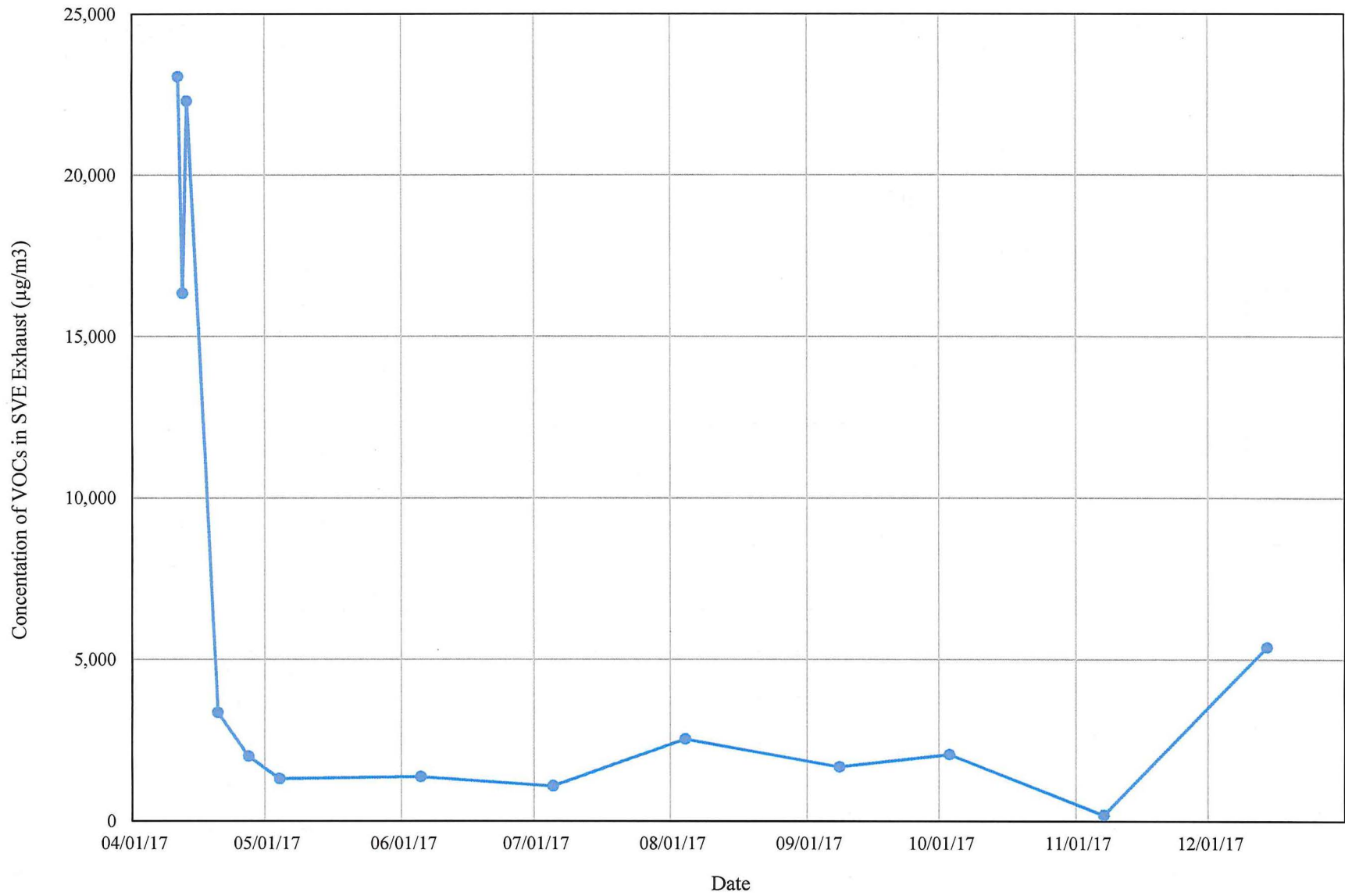
Project

6143



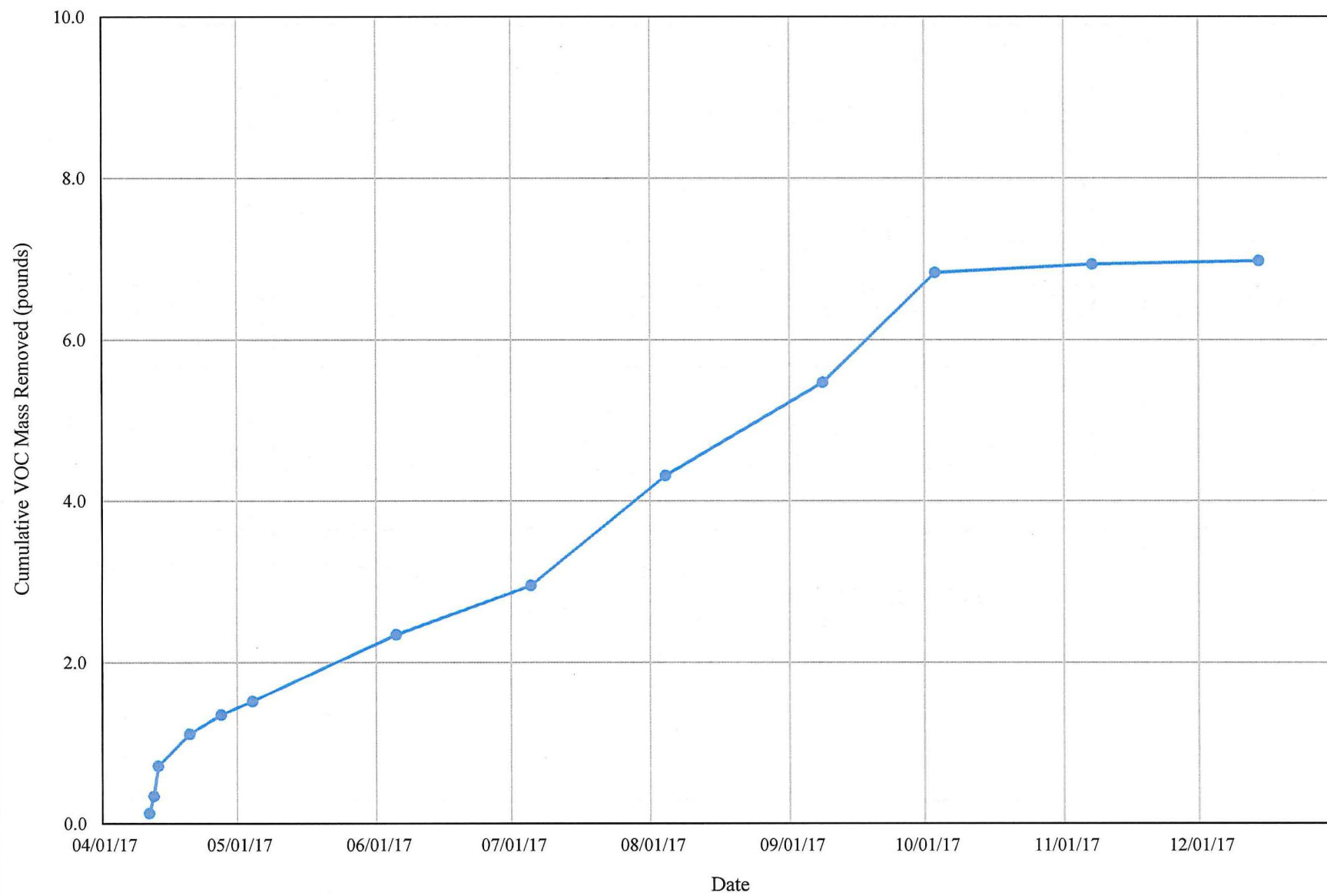
APPROXIMATE SCALE: 1" = 100'

### Vapor Phase VOC Concentration Trend Former OHM-Oconomowoc





### Cumulative VOC Mass Removed Former OHM-Oconomowoc



**Table 1**  
**Summary of Groundwater Elevation Data**  
Former One Hour Martinizing Cleaners  
Oconomowoc, Wisconsin

Well ID	Date	TOC Elevation (feet AMSL)	Depth to Water	Groundwater Elevation (feet AMSL)
MW-1	11/04/15	892.88	29.28	863.60
	10/10/16	892.88	28.13	864.75
	03/28/17	892.88	28.34	864.54
	09/07/17	892.88	27.97	864.91
MW-1D	11/04/15	892.58	45.80	846.78
	10/10/16	892.58	27.77	864.81
	03/28/17	892.58	27.97	864.61
	09/07/17	892.58	26.92	865.66
MW-2	11/04/15	891.27	27.42	863.85
	10/10/16	891.27	26.13	865.14
	03/28/17	891.27	26.37	864.90
	09/07/17	891.27	25.93	865.34
MW-3	11/04/15	892.88	29.06	863.82
	10/10/16	892.88	27.86	865.02
	03/28/17	892.88	28.06	864.82
	09/07/17	892.88	27.63	865.25
MW-4	11/04/15	891.72	27.71	864.01
	10/10/16	891.72	26.38	865.34
	03/28/17	891.72	26.64	865.08
	09/07/17	891.72	26.10	865.62
MW-5	11/04/15	893.69	30.23	863.46
	10/10/16	893.69	29.15	864.54
	03/28/17	893.69	29.33	864.36
	09/07/17	893.69	29.03	864.66
MW-6	11/04/15	893.57	30.30	863.27
	10/10/16	893.57	29.25	864.32
	03/28/17	893.57	29.42	864.15
	09/07/17	893.57	29.20	864.37
MW-7	11/04/15	891.51	27.55	863.96
	10/10/16	891.51	26.27	865.24
	03/28/17	891.51	26.55	864.96
	09/07/17	891.51	26.05	865.46
MW-8	11/04/15	887.73	23.95	863.78
	10/10/16	887.73	22.80	864.93
	03/28/17	887.73	22.85	864.88
	09/07/17	887.73	22.26	865.47
MW-9	11/04/15	889.32	25.90	863.42
	10/10/16	889.32	24.50	864.82
	03/28/17	889.32	24.72	864.60
	09/07/17	889.32	24.04	865.28
MW-10	11/04/15	895.61	31.69	863.92
	10/10/16	895.61	30.50	865.11
	03/28/17	895.61	30.65	864.96
	09/07/17	895.61	30.29	865.32

**Table 1**  
**Summary of Groundwater Elevation Data**  
Former One Hour Martinizing Cleaners  
Oconomowoc, Wisconsin

Well ID	Date	TOC Elevation (feet AMSL)	Depth to Water	Groundwater Elevation (feet AMSL)
MW-11	11/04/15	893.44	30.38	863.06
	10/10/16	893.44	29.47	863.97
	03/28/17	893.44	29.55	863.89
	09/07/17	893.44	29.46	863.98
MW-12	11/04/15	893.05	29.86	863.19
	10/10/16	893.05	28.90	864.15
	03/28/17	893.05	29.04	864.01
	09/07/17	893.05	28.92	864.13
MW-13	11/04/15	892.12	29.71	862.41
	10/10/16	892.12	29.13	862.99
	03/28/17	892.12	28.92	863.20
	09/07/17	892.12	29.78	862.34
MW-14	11/04/15	894.00	31.30	862.70
	10/10/16	894.00	30.58	863.42
	03/28/17	894.00	30.51	863.49
	09/07/17	894.00	30.78	863.22
MW-15	11/04/15	893.89	31.12	862.77
	10/10/16	893.89	30.35	863.54
	03/28/17	893.89	30.32	863.57
	09/07/17	893.89	30.36	863.53
MW-16	11/04/15	890.67	28.52	862.15
	10/10/16	890.67	28.03	862.64
	03/28/17	890.67	27.72	862.95
	09/07/17	890.67	27.92	862.75
MW-17	11/04/15	895.63	32.50	863.13
	10/10/16	895.63	31.65	863.98
	03/28/17	895.63	31.71	863.92
	09/07/17	895.63	31.59	864.04
MW-18	09/07/17	882.37	19.66	862.71
MW-19	09/07/17	883.02	20.40	862.62
MW-20	09/07/17	886.11	23.81	862.30
PZ-1	11/04/15	893.57	32.14	861.43
	10/10/16	893.57	29.07	864.50
	03/28/17	893.57	29.23	864.34
	09/07/17	893.57	28.33	865.24
PZ-2	11/04/15	894.01	30.78	863.23
	10/10/16	894.01	29.80	864.21
	03/28/17	894.01	29.94	864.07
	09/07/17	894.01	29.93	864.08

**Notes:**

All measurements recorded in feet  
TOC = Top of Casing  
MSL = Mean Seal Level  
NA = not available



**Table 2**  
**Summary of Soil Analytical Results**  
Former One Hour Martinizing Cleaners  
Oconomowoc, Wisconsin

Soil Boring Identification	Sample Depth (feet BGS)	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
HP-1	2-4	05/06/08	660	<27	<26	<26	<37
HP-2	2-4	05/06/08	380	<27	<26	<26	<37
	6-8	05/06/08	2,700	<27	<26	<26	<37
GP-1	2-4	05/06/08	40	<27	<26	<26	<37
	14-16	05/06/08	69	<27	<26	<26	<37
B-1	2-4	08/12/08	3,080	<25	<25	<25	<25
	9-11	08/12/08	2,090	<25	<25	<25	<25
B-2	6-7	08/12/08	1,660	<25	<25	<25	<25
B-3	2-4	08/12/08	<25	<25	<25	<25	<25
	10-11	08/12/08	<25	<25	<25	<25	<25
B-4	2-4	08/12/08	<25	<25	<25	<25	<25
	7-8	08/12/08	78.2	<25	<25	<25	<25
B-5	2-4	08/12/08	<25	<25	<25	<25	<25
	18-20	08/12/08	46.1 J	<25	<25	<25	<25
B-6	2-4	08/12/08	<25	<25	<25	<25	<25
	10-11.5	08/12/08	<25	<25	<25	<25	<25
B-7	2-4	08/12/08	<25	<25	<25	<25	<25
	6-7	08/12/08	<25	<25	<25	<25	<25
B-8	2-4	08/12/08	<25	<25	<25	<25	<25
	10-11	08/12/08	<25	<25	<25	<25	<25
MW-1	25-27	08/12/08	158	<25	<25	<25	<25
MW-1D	36-37	08/12/08	<25	<25	<25	<25	<25
B-10	0-2	01/04/11	<26	<26	<26	<26	<37
	4-6	01/04/11	<26	<26	<26	<26	<36
	22-24	01/04/11	75	<26	<26	<26	<36
B-13	5-7	05/16/13	<16	<18	<12	<24	<10
	20-22	05/16/13	<16	<17	<12	<23	<9.7
B-15	10-12	05/14/13	<12	<14	<9.0	<18	<7.6
	20-22	05/14/13	<14	<15	<10	<21	<8.6
<b>Direct Contact Industrial RCL*</b>			<b>145,000</b>	<b>8,410</b>	<b>2,340,000</b>	<b>1,850,000</b>	<b>2,080</b>
<b>Direct Contact Residential RCL*</b>			<b>33,000</b>	<b>1,300</b>	<b>156,000</b>	<b>1,560,000</b>	<b>67.0</b>
<b>Soil to Groundwater RCL*</b>			<b>4.5</b>	<b>3.6</b>	<b>41.2</b>	<b>62.6</b>	<b>0.10</b>

**Notes:**

\* = WDNR Residual Contaminant Level (RCL) based on United States Environmental Protection Agency Region 3, 6, and 9 Regional Screening Levels (November 2017) according to WDNR Publication RR-890.

All concentrations reported in units of micrograms per kilogram (µg/kg)

**Bolded and blue shaded values are above WDNR Soil to Groundwater Residual Contaminant Level.**

BGS = below ground surface

RCL = Residual Contaminant Level

**TABLE 3**  
**SOIL VAPOR EXTRACTION SYSTEM OPERATIONAL DATA**  
 Former OHM-Oconomowoc  
 36929 Plank Road, Oconomowoc, Wisconsin

Date	Time	Operating Zone	System Runtime	System Vacuum	Effluent Flow Rate	Effluent VOC Concentration	Inlet Temperature	Exhaust Temperature	Dilution
			Hours	inHg	cfm	$\mu\text{g}/\text{m}^3$	$^{\circ}\text{F}$	$^{\circ}\text{F}$	(%)
4/11/2017	1820	shallow + deep	4.4	-13.00	185	23,052	50	185	30
4/12/2017	1339	shallow + deep	23.0	-17.00	190	16,337	65	205	30
4/13/2017	1035	shallow + deep	45.8	-11.00	198	22,289	53	165	40
4/20/2017	1037	shallow + deep	210.6	-12.00	190	3,360	65	180	40
4/27/2017	1102	shallow + deep	378.7	-12.00	190	2,000	50	170	40
5/4/2017	852	shallow + deep	540.5	-9.00	210	1,310	55	133	50
6/5/2017	1512	shallow + deep	1,314.3	-7.00	207	1,372	62	145	60
7/5/2017	1718	shallow + deep	2,036.5	-10.00	206	1,090	80	155	60
8/4/2017	946	shallow + deep	2,724.4	-7.00	208	2,541	70	130	50
9/8/2017	1330	shallow + deep	3,566.1	-6.50	218	1,680	65	130	50
10/3/2017	1541	shallow + deep	3,918.7	-8.00	190	2,060	85	135	50
11/7/2017	1240	shallow	4,493.8	-10.50	160	193	<50	175	30
12/14/2017	1115	deep	5,376.0	-11.50	133	5,375	<50	190	35

Notes:

-- = Reading not recorded

inHg = inches of mercury

cfm = cubic feet per minute

$\mu\text{g}/\text{m}^3$  = micrograms per cubic meter