State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

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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.

Submittal 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 In A. General Information 1. Site name	nformation			, 1						
One Hour Martinizing - O	conomowoc									
2. Reporting period from:	01/01/2017	То:	06/30/2017		Days in	period:			181	
3. Regulatory agency (enter D	NR, DATCP and/or	other)	4. BRRTS	ID No	. (2 digit pr	ogram-2	digit 2	county-6	digit site	specific)
DNR			02-68-55	1911						
5. Site location Region	County		Address	6						
Southeast Region	Waukesha		36929	Plank	Rd					
Municipality name City (◯ Town ◯ Village				Township	Range	● E	Section	1/4	1/4 1/4
Oconomowoc					07 N	17	\bigcirc W	3	NW	NW
6. Responsible party Name	en-		7. Consu	PRESIDENCES	e following	informa	tion h	as chano	ed since	the last
Brian Cass			subn		3 (G.,G.,			ao 0,1a11g		
Mailing address			Compan	y nam	Э					
W229 N2494 County Road	d F, Waukesha, W	T 53186			ics, LLC					
Phone number	1		——Mailing a	ddres	S			F	hone nur	nber
(262	2) 521-9710		N16 W2	23390	Stone Ri	dge Dr.	Suite	e G	(317) 97	2-7870
8. Contaminants PCE										
9. Soil types (USCS or USDA Silty Sand)									
10. Hydraulic conductivity(cm	/sec):		11. Aver	age lin	ear velocit	y of grou	undwa	ater (ft/yr)	_	
0.02			355							
12. If soil is treated ex situ, is	the treatment locati	on off site?	◯ Yes ◯ N	10	.,,,,					
If yes, give location: Region	on			Count	у					
Municipality name C	ity O Town O Villa	age			Township N	Range	○E	Section	1/4	1/4 1/4

Site name: One Hour Martinizing - Oconomowoc	Remediation Site Operation, Maintenance,
Reporting period from: 01/01/2017 To: 06/30/2017	Monitoring & Optimization Report
Days in period: 181	Form 4400-194 (R 11/14) Page 2 of 28
B. Remediation Method	
Only submit sections that apply to an individual site. Check all that apply	r:
Groundwater extraction (submit a completed Section GW-1). Free product recovery (submit a completed Section GW-2). 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 Soil venting (including soil vapor extraction building venting and biov Soil natural attenuation (submit a completed Section IS-2). Other in situ soil remediation method (submit a completed Section IS Biopiles (submit a completed Section ES-1). Landspreading/thinspreading of petroleum contaminated soil (submit Other ex situ remediation method (submit a completed Section ES-3). Site is a landfill (submit a completed Section LF-1).	renting submit a completed Section IS-1). S-3). t a completed Section ES-2).
C. General Effectiveness Evaluation for All Active Systems	
 Is the system operating at design rates and specifications? Ye If the answer is no, explain whether or not modifications are necessar Are modifications to the system warranted to improve effectiveness If yes, explain: 	es No ry to achieve the goal that was previously established in design. Yes No
 3. Is natural attenuation an effective low cost option at this time? 4. Is closure sampling warranted at this time? Yes No 5. Are there any modifications that can be made to the remediation to im If yes, explain: 	Yes ● No nprove cost effectiveness?
	3
D. Economic and Cost Data to Date 1. Total investigation cost: \$430,600.00 2. Implementation costs (design, capital and installation costs, excluding	g investigation costs: \$221,800.00
3. Total costs during the previous reporting period:	
4. Total costs during this reporting period: \$36,500.00	
5. Total anticipated costs for the next reporting period: \$10,000.	00
6. Are any unusual or one-time costs listed in the reporting periods cove If yes, explain: Site security, site restoration, telemetry installation, and more	ered by D.3., D.4. or D.5. above? Yes No
7. If closure is anticipated within 12 months, estimated costs for project of	closeout:

Site name: One Hour Martinizing - Oconomowoc	Remediation Site Operation, Maintenance,
Reporting period from: <u>01/01/2017</u> To: <u>06/30/2017</u>	Monitoring & Optimization Report
Days in period: 181	Form 4400-194 (R 11/14) Page 3 of 28
E. Name(s), Signature(s) and Date of Person(s) Submit	ting Form
	submit reports under ch. NR 712 Wis. Adm. Code are to sign this form for nvestigation. Other persons may sign this form for sites with no response
Registered Professional Engineers:	
of ch. A-E 4, Wis. Adm. Code; that this document has been p	in the State of Wisconsin, registered in accordance with the requirements prepared in accordance with the rules of Professional Conduct in ch. A-E III information contained in this document is correct and the document was the NR 700 to 726, Wis. Adm. Code.
Print name	Title
Andrew Horwath	Senior Engineer
Signature Indian I. Howald	Date 7/26/2017
Hydrogeologists:	
	fined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my rect and the document was prepared in compliance with all applicable
Print name	Title
Brian Kappen	Project Manager
Signature	Date / /
B Jan	7/26/2017
	n s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, document was prepared in compliance with all applicable requirements in
Signature	Date
Other Persons:	
Print name	Title
Signature	Date
Professional Seal(s), if applicable:	
Digitally signed by Andrew D. ANDREW D. HORWATH E-4881-8 NOBLESVILLE 2017.07.26 13:17:06 -04'00'	

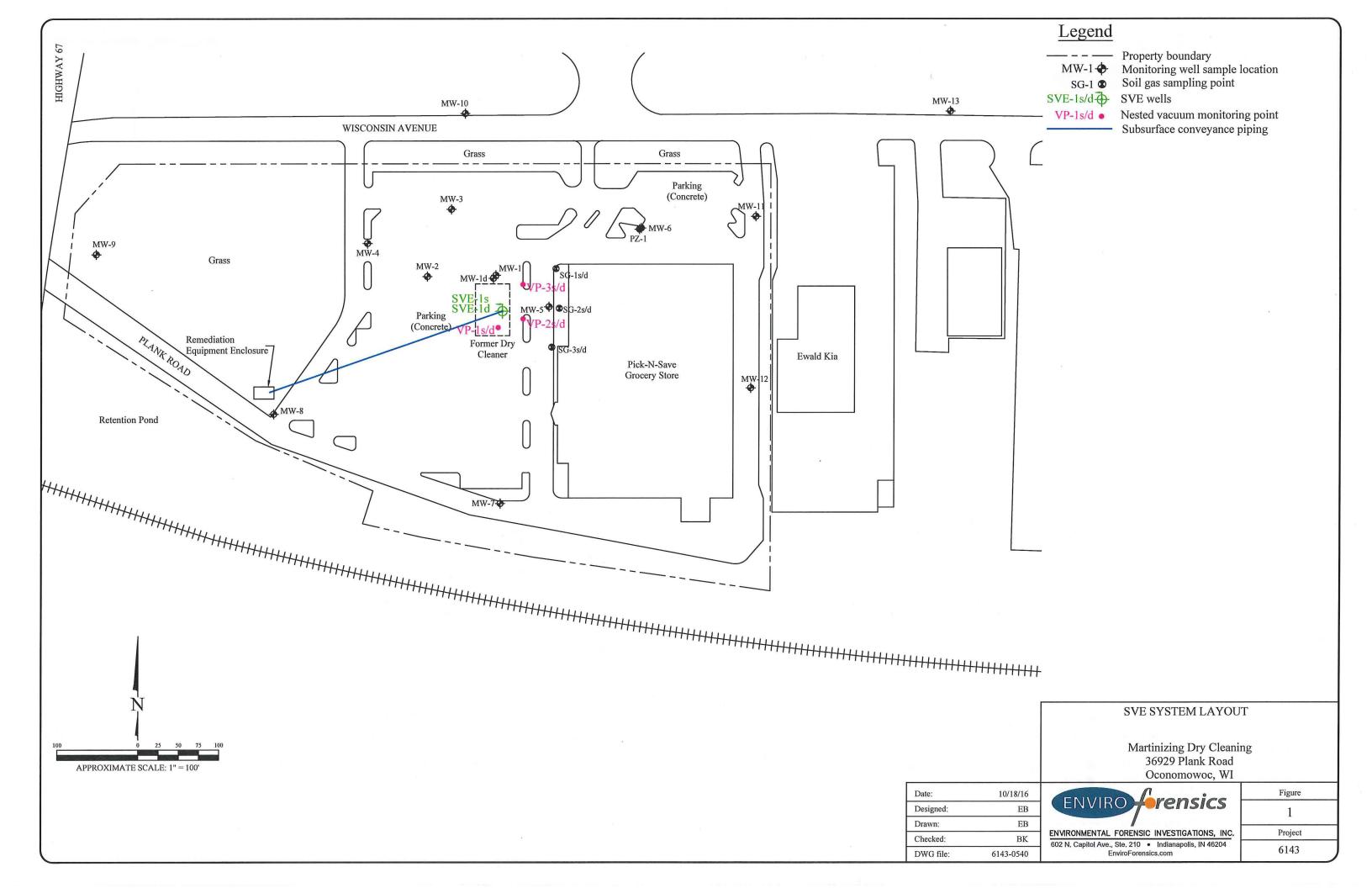
Site name: One Hour Martinizing - Oconomow	oc		diation Site Operat	
Reporting period from: 01/01/2017	To: 06/30/2017		oring & Optimization	=
Days in period: 181		Form 440	00-194 (R 11/14)	Page 9 of 28
Section IS-1, Soil Venting (Including	Soil Vapor Extraction,	Building Venti	ing and Bioventing)	
A. Soil Venting Operation				
Note: This form is not required for buildir and are not considered part of ongoing a		ns that are instal	led proactively to protect bu	uilding occupants/users
1. Number of air extraction wells available	e and number of wells act	ually in use durir	ng the period:	2
 Number of days of operation (only list the state of the stat	the number of days the sy	stem actually op	erated, if unknown explain):
 System utilization in percent (days of o 100 	peration divided by repor	ting time period r	multiplied by 100). If < 80%	, explain:
4. Average depth to groundwater:	29 gpm {	eet		
B. Building Basement/Subslab Ventin	g System Operation			
 Number of venting points available and 	d number of points actuall	y in use during th	ne period:	•
2. Number of days of operation (only list t	the number of days the sy	stem actually op	erated, if unknown explain):
3. System utilization in percent (days of	operation divided by repo	rting time period	multiplied by 100). If < 80%	%, explain:
C. Effectiveness Evaluation				
1. Average contaminant removal rate for	the entire system:	0.027	pounds per day	
2. Average contaminant removal rate per	well or venting point:	0.014	pounds per day	
If the average contaminant removal rat rate per well is less than one tenth of a			ntire system, or if the avera	age contaminant removal
a. If contaminants are aerobically biod	egradable and confirmation	on borings have	not been drilled in the past	year:
i. Oxygen levels in extracted air:	percent			
ii. Methane levels in extracted air (p	pm _V) If over 10 ppm _V , ex	plain:		
 iii. If methane is not present above Drill confirmation borings duri Or, perform an in situ respiror 	ng the next reporting peri- metry test in a zone of hig	od, if the entire s h contamination.	ite should be considered fo Do not perform the test in	or closure. a an air extraction well,

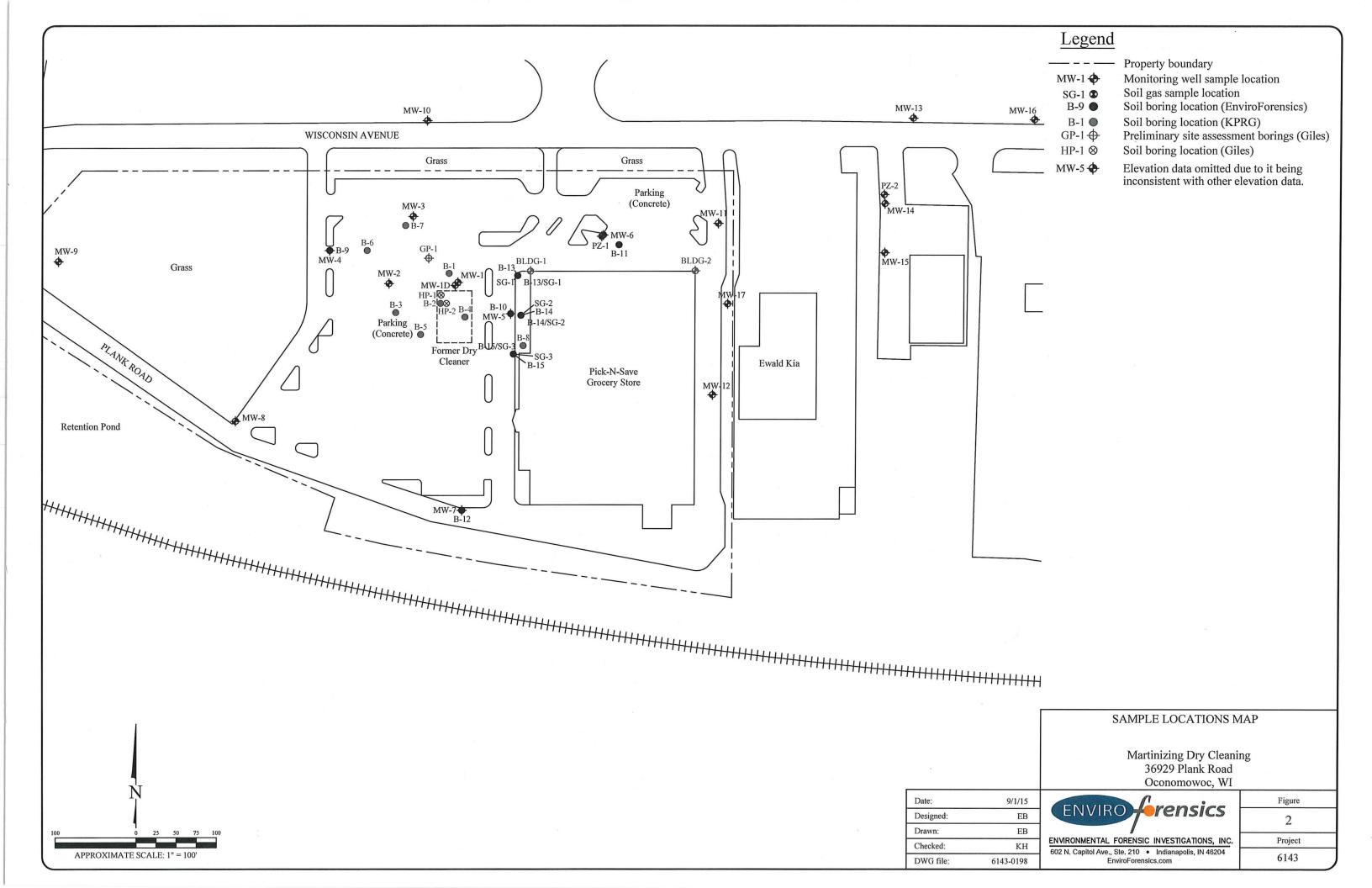
- Or, perform an in situ respirometry test in a zone of high contamination. Do not perform the test in an air extraction well, use a gas probe or water table well. If a zero order rate of decay based on oxygen depletion is less than 2 mg/kg per day, then you should drill confirmation borings, if the 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 than 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.

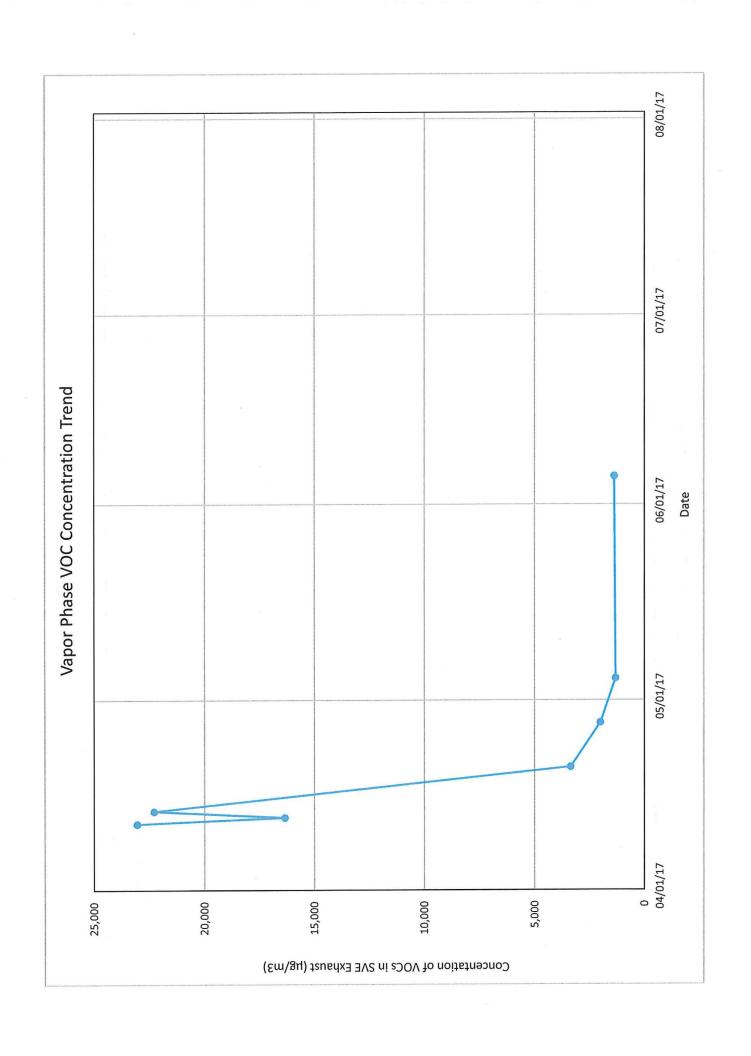
D. Additional Attachments

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.







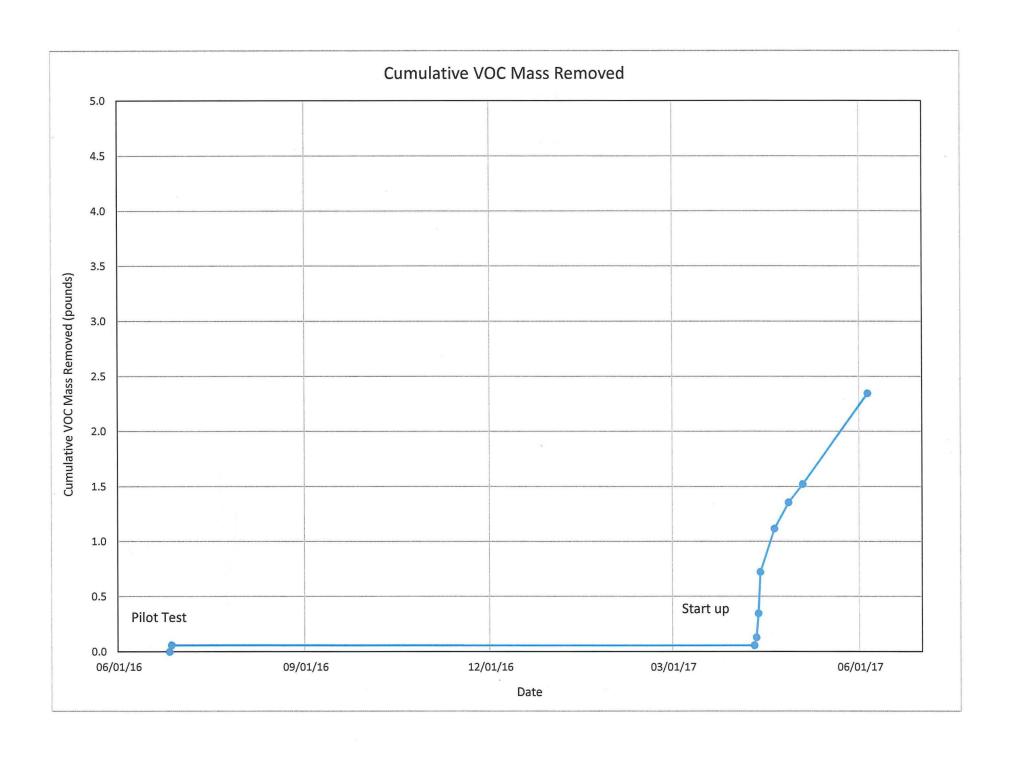


Table 1 Monitoring Well Construction Information

Former One Hour Martinizing Cleaners Oconomowoc, Wisconsin

Well ID	Date Installed	Diameter (inches)	Northing ¹	Easting ¹	Ground Elevation (ft MSL)	Top of Casing Elevation (ft MSL)	Screened Interval (feet BGS)	Total Depth (ft BGS)
MW-1	04/28/09	2	406,877.44	2,406,434.53	893.16	892.88	25.5 - 35.5	35.50
MW-1D	08/18/09	2	406,873.83	2,406,431.47	893.07	892.58	45.0 - 50.0	50.00
MW-2	08/04/09	2	406,876.03	2,406,349.26	891.83	891.27	25.5 - 35.5	35.50
MW-3	08/04/09	2	406,959.22	2,406,379.24	893.25	892.88	26.0 - 36.0	36.00
MW-4	01/05/11	2	406,916.95	2,406,275.55	892.11	891.72	24.7 - 34.7	34.74
MW-5	01/05/11	2	406,838.53	2,406,499.98	894.27	893.69	24.5 - 34.5	34.57
MW-6	01/06/11	2	406,935.97	2,406,614.20	893.89	893.57	24.9 - 34.9	34.91
MW-7	01/05/11	2	406,595.02	2,406,440.08	891.91	891.51	25.1 - 35.1	35.15
MW-8	5/17/2013	2	406,705.62	2,406,159.46	888.04	887.73	19.5 - 29.5	29.50
MW-9	5/14/2013	2	406,903.37	2,406,940.11	889.84	889.32	19.3 - 29.3	29.36
MW-10	5/17/2013	2	407,077.78	2,406,396.22	896.01	895.61	23.7 - 33.7	33.70
MW-11	5/20/2013	2	406,950.52	2,406,756.45	893.73	893.44	24.3 - 34.3	34.33
MW-12	5/16/2013	2	406,738.21	2,406,750.14	893.65	893.05	23.5 - 33.5	33.51
MW-13	12/5/2013	2	407,080.85	2,406,996.85	892.41	892.12	25.0 - 35.0	35.00
MW-14	4/6/2015	2	406,976.11	2,406,936.92	894.41	894.00	21.0 36.0	37.00
MW-15	4/6/2015	2	406,914.28	2,406,936.86	894.30	893.89	22.5 37.5	38.00
MW-16	7/27/2015	2	407,081.07	2,407,175.28	890.87	890.67	26.0 36.0	36.00
MW-17	7/27/2015	2	406,828.86	2,406,770.00	895.87	895.63	22.5 37.5	37.50
PZ-1	12/5/2013	2	406,934.54	2,406,612.09	894.04	893.57	50.0 - 55.0	55.00
PZ-2	4/6/2015	2	406,979.84	2,406,936.87	894.36	894.01	51.5 56.5	62.00

Notes:

Elevations based on NGVD 1929

ft BGS = feet below ground surface

MSL = Mean Sea Level

Wells were surveyed by Surveying Associates, Inc. on February 28, 2011, July 10, 2013, and January 7, 2014.



¹ Wisconsin State Plane - Southern Zone, NAD 27

Table 2 Summary of Groundwater Elevation Data

Well ID	Date	TOC Elevation (ft above MSL)	Depth to Water	Groundwater Elevation (ft above MSL)
	08/28/09	892.88	28.07	864.81
	11/09/09	892.88	28.56	864.32
	12/03/09	892.88	28.71	864.17
	03/08/10	892.88	29.03	863.85
	06/02/10	892.88	28.48	864.40
	01/07/11	892.88	28.46	864.42
	04/27/11	892.88	27.42	865.46
	09/07/11	892.88	28.70	864.18
	12/19/11	892.88	29.10	863.78
	02/27/12	892.88	29.31	863.57
MW-1	05/22/12	892.88	28.76	864.12
IVI VV - I	06/11/13	892.88	27.19	865.69
	10/01/13	892.88	27.66	865.22
	01/02/14	892.88	28.54	864.34
	05/28/14	892.88	28.29	864.59
	10/09/14	892.88	28.90	863.98
	04/27/15	892.88	29.39	863.49
	06/22/15	892.88	29.29	863.59
	08/03/15	892.88	29.23	863.65
	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
	08/28/09	892.58	27.67	864.91
	11/09/09	892.58	28.15	864.43
	12/03/09	892.58	28.31	864.27
	03/08/10	892.58	28.68	863.90
	06/02/10	892.58	28.08	864.50
	01/07/11	892.58	28.06	864.52
	04/27/11	892.58	27.63	864.95
	09/07/11	892.58	28.30	864.28
	12/19/11	892.58	28.73	863.85
	02/27/12	892.58	29.00	863.58
MW 1D	05/22/12	892.58	28.44	864.14
MW-1D	06/11/13	892.58	26.90	865.68
	10/01/13	892.58	27.29	865.29
	01/02/14	892.58	28.16	864.42
	05/28/14	892.58	28.15	864.43
	10/09/14	892.58	29.92	862.66
	04/27/15	892.58	29.05	863.53
	06/22/15	892.58	28.92	863.66
	08/03/15	892.58	28.87	863.71
	11/04/15	892.58	NA	NA
	10/10/16	892.58	27.77	864.81
	03/28/17	892.58	27.97	864.61

Table 2 Summary of Groundwater Elevation Data

Well ID	Date	TOC Elevation (ft above MSL)	Depth to Water	Groundwater Elevation (ft above MSL)
	08/28/09	891.24	26.00	865.24
	11/09/09	891.24	26.58	864.66
	12/03/09	891.24	28.72	862.52
	03/08/10	891.24	27.09	864.15
	06/02/10	891.24	26.51	864.73
	01/07/11	891.27	26.40	864.87
	04/27/11	891.24	26.03	865.21
	09/07/11	891.24	26.74	864.50
	12/19/11	891.24	27.20	864.04
	02/27/12	891.24	27.46	863.78
MW-2	05/22/12	891.24	26.89	864.35
101 00 -2	06/11/13	891.27	25.22	866.05
	10/01/13	891.27	25.63	865.64
	01/02/14	891.27	26.57	864.70
	05/28/14	891.27	26.35	864.92
	10/09/14	891.27	27.06	864.21
	04/27/15	891.27	27.53	863.74
	06/22/15	891.27	27.44	863.83
	08/03/15	891.27	27.38	863.89
	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
1.0	08/28/09	892.88	27.66	865.22
	11/09/09	892.88	28.31	864.57
	12/03/09	892.88	28.48	864.40
	03/08/10	892.88	28.80	864.08
	06/02/10	892.88	28.21	864.67
	01/07/11	892.88	28.12	864.76
	04/27/11	892.88	27.72	865.16
	09/07/11	892.88	28.40	864.48
	12/19/11	892.88	28.93	863.95
	02/27/12	892.88	29.16	863.72
MW 2	05/22/12	892.88	28.58	864.30
MW-3	06/11/13	892.88	26.90	865.98
	10/01/13	892.88	27.33	865.55
	01/02/14	892.88	28.27	864.61
	05/28/14	892.88	28.06	864.82
	10/09/14	892.88	28.73	864.15
	04/27/15	892.88	29.23	863.65
	06/22/15	892.88	29.12	863.76
	08/03/15	892.88	29.16	863.72
	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

Table 2 Summary of Groundwater Elevation Data

Well ID	Date	TOC Elevation (ft above MSL)	Depth to Water	Groundwater Elevation (ft above MSL)
	01/07/11	891.72	26.55	865.17
	04/27/11	891.72	26.70	865.02
	09/07/11	891.72	26.60	865.12
	12/19/11	891.72	27.42	864.30
	02/27/12	891.72	27.68	864.04
	05/22/12	891.72	27.17	864.55
	06/11/13	891.72	25.41	866.31
	10/01/13	891.72	24.46	867.26
MW-4	01/02/14	891.72	26.8	864.92
	05/28/14	891.72	26.56	865.16
	10/09/14	891.72	27.30	864.42
	04/27/15	891.72	27.91	863.81
	06/22/15	891.72	27.74	863.98
	08/03/15	891.72	27.65	864.07
	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
	01/07/11	893.69	29.47	864,22
	04/27/11	893.69	29.06	864.63
	09/07/11	893.69	29.70	863.99
	12/19/11	893.69	30.09	863.60
	02/27/12	893.69	30.29	863,40
	05/22/12	893.69	29.77	863.92
	06/11/13	893.69	28.12	865.57
	10/01/13	893.69	28.74	864.95
MW-5	01/02/14	893.69	29.57	864.12
	05/28/14	893.69	29.28	864.41
	10/09/14	893.69	28.40	865.29
	04/27/15	893.69	30.32	863.37
	06/22/15	893.69	30.22	863.47
	08/03/15	893.69	30.18	863.51
	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

Table 2 ummary of Groundwater Elevation Date

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

Well ID	Date	TOC Elevation (ft above MSL)	Depth to Water	Groundwater Elevation (ft above MSL)
	01/07/11	NA	29.68	NA
	04/27/11	NA	29.19	NA
	09/07/11	NA	29.85	NA
	12/19/11	NA	30.13	NA
	02/27/12	NA	30.34	NA
	05/22/12	NA	29.78	NA
	06/11/13	893.57	28.35	865.22
	10/01/13	893.57	28.95	864.62
MW-6	01/02/14	893.57	29.7	863.87
	05/28/14	893.57	29.36	864.21
	10/09/14	893.57	30.11	863.46
	04/27/15	893.57	30.35	863.22
	06/22/15	893.57	30.25	863.32
	08/03/15	893.57	30.24	863.33
	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
	01/07/11	891.51	26.58	864.93
	04/27/11	891.51	26.00	865.51
	09/07/11	891.51	26.88	864.63
	12/19/11	891.51	27.37	864.14
	02/27/12	891.51	27.70	863.81
	05/22/12	891.51	26.80	864.71
	06/11/13	891.51	25.02	866.49
	10/01/13	891.51	25.02	866.49
MW-7	01/02/14	891.51	26.77	864.74
	05/28/14	891.51	26.16	865.35
	10/09/14	891.51	27.28	864.23
	04/27/15	891.51	27.49	864.02
	06/22/15	891.51	27.19	864.32
	08/03/15	891.51	27.41	864.10
	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
	06/11/13	887.73	21.55	866.18
	10/01/13	887.73	21.96	865.77
	01/02/14	887.73	22.98	864.75
	05/28/14	887.73	22.65	865.08
	10/09/14	887.73	23.54	864.19
MW-8	04/27/15	887.73	23.96	863.77
	06/22/15	887.73	23.83	863.90
	08/03/15	887.73	23.86	863.87
	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

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

Well ID	Date	TOC Elevation (ft above MSL)	Depth to Water	Groundwater Elevation (ft above MSL)
	06/11/13	889.32	23.48	865.84
	10/01/13	889.32	23.88	865.44
	01/02/14	889.32	24.88	864.44
	05/28/14	889.32	24.46	864.86
	10/09/14	889.32	25.45	863.87
MW-9	04/27/15	889.32	25.80	863.52
	06/22/15	889.32	25.61	863.71
	08/03/15	889.32	25.79	863.53
	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
	06/11/13	895.61	29.53	866.08
	10/01/13	895.61	29.95	865.66
	01/02/14	895.61	30.89	864.72
	05/28/14	895.61	30.72	864.89
	10/09/14	895.61	31.35	864.26
MW-10	04/27/15	895.61	31.87	863.74
	06/22/15	895.61	31.81	863.80
	08/03/15	895.61	31.70	863.91
	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
	06/11/13	893.44	29.60	863.84
	10/01/13	893.44	29.25	864.19
	01/02/14	893.44	29.94	863.50
	05/28/14	893.44	29.52	863.92
	10/09/14	893.44	30.28	863.16
MW-11	04/27/15	893.44	30.38	863.06
	06/22/15	893.44	30.26	863.18
	08/03/15	893.44	30.33	863.11
	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
	06/11/13	893.05	27.95	865.10
	10/01/13	893.05	28.69	864.36
	01/02/14	893.05	29.41	863.64
	05/28/14	893.05	28.92	864.13
	10/09/14	893.05	29.78	863.27
MW-12	04/27/15	893.05	29.87	863.18
	06/22/15	893.05	29.25	863.80
	08/03/15	893.05	29.81	863.24
	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

Summary of Groundwater Elevation Data

Well ID	Date	TOC Elevation (ft above MSL)	Depth to Water	Groundwater Elevation (ft above MSL)
	01/02/14	892.12	29.47	862.65
	05/28/14	892.12	28.96	863.16
	10/09/14	892.12	29.77	862.35
	04/15/15	892.12	29.46	862.66
MW-13	04/27/15	892.12	29.47	862.65
IVI W -13	06/22/15	892.12	29.43	862.69
	08/03/15	892.12	29.78	862.34
	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
	04/15/15	894.00	31.29	862.71
	04/27/15	894.00	31.14	862.86
	06/22/15	894.00	31.08	862.92
MW-14	08/03/15	894.00	31.33	862.67
	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
	04/15/15	893.89	31.18	862.71
	04/27/15	893.89	30.97	862.92
	06/22/15	893.89	30.90	862.99
MW-15	08/03/15	893.89	31.13	862.76
	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
	08/03/15	890.67	28.25	862.42
NOV 16	11/04/15	890.67	28.52	862.15
MW-16	10/10/16	890.67	28.03	862.64
	03/28/17	890.67	27.72	862.95
	08/03/15	895.63	32.49	863.14
100117	11/04/15	895.63	32.50	863.13
MW-17	10/10/16	895.63	31.65	863.98
	03/28/17	895.63	31.71	863.92

Summary of Groundwater Elevation Data

Former One Hour Martinizing Cleaners Oconomowoc, Wisconsin

Well ID	Date	TOC Elevation (ft above MSL)	Depth to Water	Groundwater Elevation (ft above MSL)
	01/02/14	893.57	29.46	864.11
	05/28/14	893.57	29.31	864.26
	10/09/14	893.57	29.88	863.69
	04/27/15	893.57	31.21	862,36
PZ-1	06/22/15	893.57	30.10	863,47
	08/03/15	893.57	30.23	863.34
	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
	04/15/15	894.01	29.96	864.05
	04/27/15	894.01	30.76	863.25
PZ-2	06/22/15	894.01	30.70	863.31
	08/03/15	894.01	30.91	863.10
	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

Notes:

All measurements recorded in feet

TOC = Top of Casing

MSL = Mean Seal Level

NA = not available

Summary of Soil Analytical Results

Former One Hour Martinizing Cleaners Oconomowoc, Wisconsin

Soil Boring Identification	Sample Depth (feet BGS)	Sample Date	Tetrachloroethylene	Trichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	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
HF-2	6-8	05/06/08	2,700	<27	<26	<26	<37
GP-1	2-4	05/06/08	40	<27	<26	<26	<37
GI-I	14-16	05/06/08	69	<27	<26	<26	<37
B-1	2-4	08/12/08	3,080	<25	<25	<25	<25
D-1	9-11	08/12/08	2,090	<25	<25	<25	<25
B-2	B-2 6-7		1,660	<25	<25	<25	<25
B-3	2-4	08/12/08	<25	<25	<25	<25	<25
19-3	10-11	08/12/08	<25	<25	<25	<25	<25
B-4	2-4	08/12/08	<25	<25	<25	<25	<25
D-4	7-8	08/12/08	78.2	<25	<25	<25	<25
B-5	2-4	08/12/08	<25	<25	<25	<25	<25
D 3	18-20	08/12/08	46.1 J	<25	<25	<25	<25
B-6	2-4	08/12/08	<25	<25	<25	<25	<25
Б-0	10-11.5	08/12/08	<25	<25	<25	<25	<25
B-7	2-4	08/12/08	<25	<25	<25	<25	<25
D -1	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 08/12/08	<25	<25	<25	<25	<25
MW-1	MW-1 25-27		158	<25	<25	<25	<25
MW-1D			<25	<25	<25	<25	<25
1 2 1 1 1	0-2	01/04/11	<26	<26	<26	<26	<37
B-10	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
D 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
D-13	20-22	05/14/13	<14	<15	<10	<21	<8.6
Direct Contact Industrial RCL*			145,000	8,410	2,340,000	1,850,000	2,080
Direct Cont	Direct Contact Residential RCL*			1,300	156,000	1,560,000	67.0
Soil to G	Froundwater R	CL*	4.5	3.6	41.2	62.6	0.10

Notes:

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

Bolded and orange shaded values are above the WDNR Industrial Residual Contaminant Level for direct contact.

Bolded and green shaded values are above WDNR Residential Residual Contaminant Level for direct contact.

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

BGS = below ground surface

RCL = Residual Contaminant Level



^{*=} WDNR Residual Contaminant Level (RCL) based on United States Environmental Protection Agency Region 3, 6, and 9 Regional Screening Levels (November 2013) according to WDNR Publication RR-890.

TABLE 4 SOIL GAS ANALYTICAL RESULTS SUMMARY

Former One Hour Martinizing Cleaners Oconomowoc, Wisconsin

Sample Identification	Sample Date	Tetrachloroethylene	Trichloroethylene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
6143-SG-1s	6/21/2013	20,000	<170	<130	<130	<82
6143-SG-1d	6/21/2013	80,000	<1000	<770	<770	<500
6143-SG-2s	6/21/2013	3,600	120	<37	<37	<24
6143-SG-2d	6/21/2013	22,000	<330	<250	<250	<160
6143-SG-3s	6/21/2013	570	31	<7.9	<7.9	<5.1
6143-SG-3d	6/21/2013	15,000	<170	<130	<130	<82
Deep Vapor Risk So	Deep Vapor Risk Screening Level ¹			NE	NE	28,000
Shallow Vapor Risk S	Shallow Vapor Risk Screening Level 2			NE	NE	2,800

Notes:

All concentrations reported in untis of micrograms per cubic meter ($\mu g/m3$)

Bolded values are above detection limits

NE = Not Established



¹ The Vapor Risk Screeing Levels are based on U.S. E.P.A.'s Regional Screening Levels (RSL's) for non-residential indoor air with an attenuation factor of 0.001 for soil gas deeper than 5 feet below the foundation of large commercial buildings.

² The Vapor Risk Screeing Levels are based on U.S. E.P.A.'s Regional Screening Levels (RSL's) for non-residential indoor air with an attenuation factor of 0.01 for shallow soil gas below large commercial buildings or deep soil gas below small commercial buildings.

TABLE 5 SOIL VAPOR EXTRACTION SYSTEM OPERATIONAL DATA

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	Notes	
			Hours	inHg	cfm	μg/m³	°F	°F	(%)		
4/11/2017	1820	shallow + deep	4.4	-13.00	185	23,052	50	185	30	SVE Start-up. Inlet temperature below 50	
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		

Notes:

-- = Reading not recorded inHg = inches of mercury

cfm = cubic feet per minute

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