

February 1, 2021

John Feeney Wisconsin Department of Natural Resources 1155 Pilgrim Rd Plymouth, WI 53074

Re: Remediation Progress Update

Harborview Cleaners 134 East Grand Avenue Port Washington, WI 53073 BRRTS#: 02-46-548092

Dear Mr. Feeney:

EnviroForensics, LLC (EnviroForensics) is pleased to provide this remediation progress update for Harborview Cleaners located at 134 E. Grand Avenue in Port Washington, Wisconsin (the Site). Remediation activities are ongoing in accordance with Wisconsin Department of Natural Resources (WDNR) NR 700 series rules to address tetrachloroethene (PCE) impacts in the subsurface.

General information and soil vapor extraction (SVE) system operational data are provided in the attached Remediation Site Operation, Maintenance, Monitoring & Optimization Report (Form 4400-194). The SVE system operated for the first half of 2020, and was then shut down in advance of confirmation soil and vapor sampling to evaluate subsurface conditions compared to pre-remediation conditions. Operation, maintenance and monitoring (OM&M) that occurred in 2020 was not previously reported because EnviroForensics wanted to first evaluate the confirmation sampling results and determine whether to recommend continued remediation or case closure. Therefore, the attached report covers all of 2020.

Soil Vapor Extraction Progress and Status

The SVE system began operation in August 2018 and operated for 12,994 hours through June 15, 2020 (the date of the most recent OM&M event). The system was temporarily shut down in July 2020 in advance of the soil and sub-slab vapor confirmation sampling. VOC concentrations detected in samples of the system effluent over time are depicted on the attached **Chart 1**. An overall concentration trend is not apparent because extraction has rotated among groups of wells and individual wells rather than consistent extraction from a single zone. Cumulative VOC mass removed over time is depicted on **Chart 2**. To date, the system has removed approximately 35 pounds of volatile organic compounds (VOCs) from the subsurface. The system has remained off as the confirmation sampling results were evaluated.



Confirmation Sampling Results

The effectiveness of SVE and on-going potential for vapor intrusion can be assessed by comparing pre- and post-remediation contaminant concentrations in soil. EnviroForensics collected soil samples from several borings that correspond to the following investigation sample locations and depth intervals:

- K-1 (3-4 feet)
- HP-1 (2-4 feet and 6-8 feet)
- HP-2 (6-8 feet)
- SB-2 (6-8 feet)
- SB-3 (6-8 feet)

The soil borings were advanced using direct-push methods within two feet of the associated investigation sample location. Six (6) soil samples were collected for laboratory analysis of VOCs in August 2020, approximately six (6) weeks after the SVE system was shut down.

The confirmation soil sample results are summarized on **Table 1** and **Figure 1**. Compared to pre-remediation results, lower PCE concentrations were observed at three (3) of the five (5) sample locations - K-1R, HP-2R, and SB-3R – while concentrations at SB-2R were similar to pre-remediation concentrations. At location HP-1R, the PCE concentration was much lower in the 6-8 foot depth interval compared to the pre-remediation value; however, the 2-4 foot sample contained PCE at a concentration of 81,000 micrograms per kilogram (µg/kg). This concentration of PCE in shallow soil represents a potential source of continuing vapor intrusion risk.

Sub-slab vapor sampling was also performed in the Site building to confirm the effectiveness of SVE and current vapor conditions below the slab. Two (2) sub-slab vapor samples designated V-1R and V-2R were collected from the approximate locations of previous vapor samples V-1 and V-2 (collected by another consultant in 2008). The vapor samples were analyzed for PCE and related compounds.

The sub-slab vapor sample results are included in **Table 2** and illustrated on **Figure 2**. PCE concentrations in vapor have decreased substantially compared to pre-remediation values. However, both of the sub-slab vapor samples still contained PCE at concentrations above the VRSL of 6,000 micrograms per cubic meter ($\mu g/m^3$), indicating a continued risk of vapor intrusion to the Site building.

Recommendations

An evaluation of the soil and vapor confirmation sample results suggests the source of continuing vapor impacts is likely the shallow soil (2-4 feet bgs) in the vicinity of HP-1R. This sample location is within several feet of extraction well SVE-1; however, the screened interval of



SVE-1 (4-9 feet bgs) is below the zone of higher impact identified by the recent sampling. Therefore, EnviroForensics recommends continuing operation of the SVE system with a modification to the screened interval of extraction well SVE-1 and a focus on the zones of highest residual impact.

If you have any questions regarding the results of this progress update, please do not hesitate to call me at (262) 290-4001.

Sincerely,

EnviroForensics, LLC

Brian Kappen, PG

Project Manager

Attachments:

Form 4400-194

TABLE 2 SUMMARY OF CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS

Harborview Cleaners

134 East Grand Avenue, Port Washington, Wisconsin

Boring Identification	Sample Depth (feet)	Sample Date	Consultant	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Benzene	Chloroform	sec-Butylbenzene	n-Butylbenzene	1,4-Dichlorobenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyitoluene	Methylene Chloride	Napthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)
Industrial	RCL 1			145,000	8,410	2,340,000	1,850,000	7,070	2,130	145,000	108,000	16,400	35,400	268,000	162,000	1,150,000	24,100	264,000	818,000	219,000	182,000	260,000
Non-Indus	trial RCL 1			33,000	1,300	156,000	1,560,000	1,600	423	145,000	108,000	3,740	8,020	268,000	162,000	61,800	5,520	264,000	818,000	219,000	182,000	260,000
Soil to Gou	ndwater RCL	1		4.5	3.6	41.2	62.6	5.1	3.3	N.E.	N.E.	144	1,570	N.E.	N.E.	2.6	658	1,970	1,107	1,382	1,382	3,960
K-1	3-4	11/20/2006	Konicek	1,300	<25	<25	<25	<25	<25	<25	<40	<25	<25	<25	<25	84	<25	<25	<25	<25	<25	<75
K-1R	2-3	8/24/2020	EnviroForensics	500	<48	<21	<38	<15	<53	<24	<18	<39	<19	<25	<26	<150	<120	<19	<32	<54	<17	<111
HP-1	2-4	1/16/2008	Konicek	29,000	<120	<120	<120	<120	<120	<120	< 200	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	<370
	6-8	1/16/2008	Konicek	81,000	<310	<310	<310	<310	<310	<310	< 500	<310	<310	<310	<310	<310	<310	<310	<310	<310	<310	<930
HP-1R	2-4	8/24/2020	EnviroForensics	81,000	430	35 J	<38	44 J	163 J	25.8 J	123	48 J	123	27.7 J	29.7 J	<150	560	102	291	370	85	677
	6-8	8/24/2020	EnviroForensics	1,860	<48	<21	<38	<15	<53	<24	<18	<39	<19	<25	<26	<150	<120	<19	<32	<54	<17	<111
HP-2	6-8	1/16/2008	Konicek	1,200	<25	<25	<25	<25	<25	<25	<40	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
HP-2R	6-8	8/24/2020	EnviroForensics	<40	<48	<21	<38	<15	<53	<24	<18	<39	<19	<25	<26	<150	<120	<19	<32	<54	<17	<111
SB-2	6-8	12/2/2015	EnviroForensics	3,800	<42	<21	<24	<16	<26	<36	1,470 J	<30	690 J	<37	< 56	<2200	4,400	1,020 J	380 J	7,200	2,200 J	4,560
SB-2R	6-8	8/24/2020	EnviroForensics	2,530	1,590	860	720	<15	<53	<24	<18	<39	<19	<25	<26	<150	<120	<19	<32	<54	<17	<111
SB-3	6-8	12/2/2015	EnviroForensics	1,720	<42	<21	<24	<16	<26	<36	<86	<30	<27	<37	< 56	<220	<87	<35	<31	<78	<89	<99
SB-3R	6-8	8/24/2020	EnviroForensics	286	<48	<21	<38	<15	<53	<24	<18	<39	<19	<25	<26	<150	<120	<19	<32	<54	<17	<111

Notes:

¹ Residual Contaminant Levels calculated according to the procedures described in WDNR Publication RR-890

All concentrations reported in micrograms per kilogram µg/kg

J, Q = Estimated concentration between the laboratory detection limit and reporting limit

NE = Not established

NA = Not available

Bolded values are above laboratory detection limits

Bolded and Green Shaded value indicates an exceedance of the Non-Industrial Residual Contaminant Level

Bolded and Blue Shaded value indicates an exceedance of the Soil to Groundwater Residual Contaminant Level



TABLE 2 SUB-SLAB VAPOR SAMPLE RESULTS SUMMARY

Harborview Cleaners 134 E. Grand Avenue, Port Washington, Wisconsin

Sample Identification	Consultant	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
Residential	Vapor Risk Screen	ing Level	1,400	70	NE	NE	57
Small Commen	cial Vapor Risk Scr	eening Level	6,000	290	NE	NE	930
V-1	Konicek	1/21/2008	515,100	77.0	21.0	<4.8	<1.66
V-1R	EnviroForensics	8/24/2020	19,800	44.1	<198	<396	<12.8
V-2	Konicek	1/21/2008	1,193,000,000	1,541	564	<54.0	<17.7
V-2R	EnviroForensics	8/24/2020	32,100	708	<198	<396	<12.8

Notes:

Vapor Risk Screeing Levels are calculated according to WDNR Publication RR-800 and subsequent vapor intrusion guidance documents

Results reported in units of micrograms per cubic meter (µg/m³)

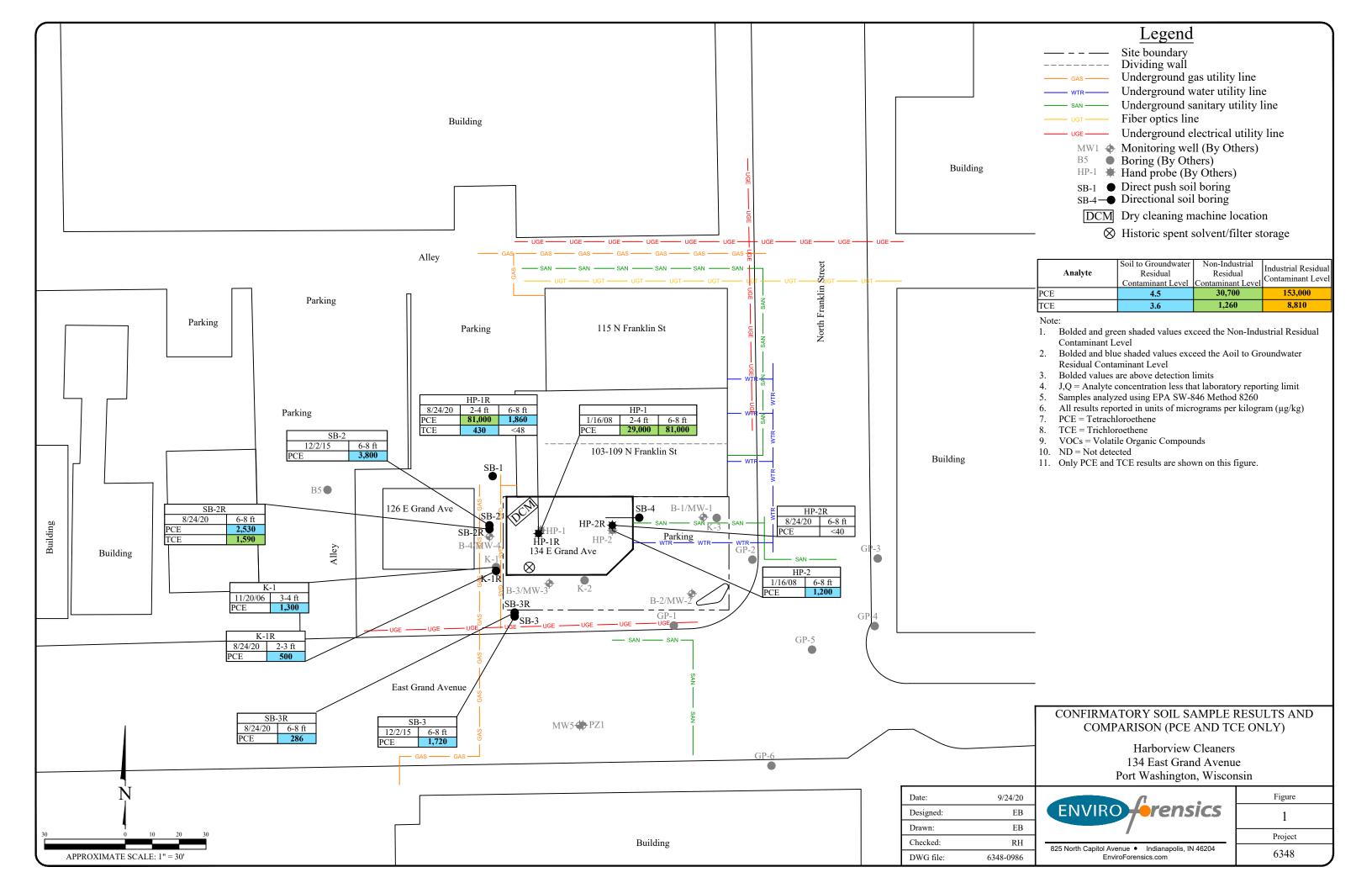
Samples analyzed according to EPA Method TO-15

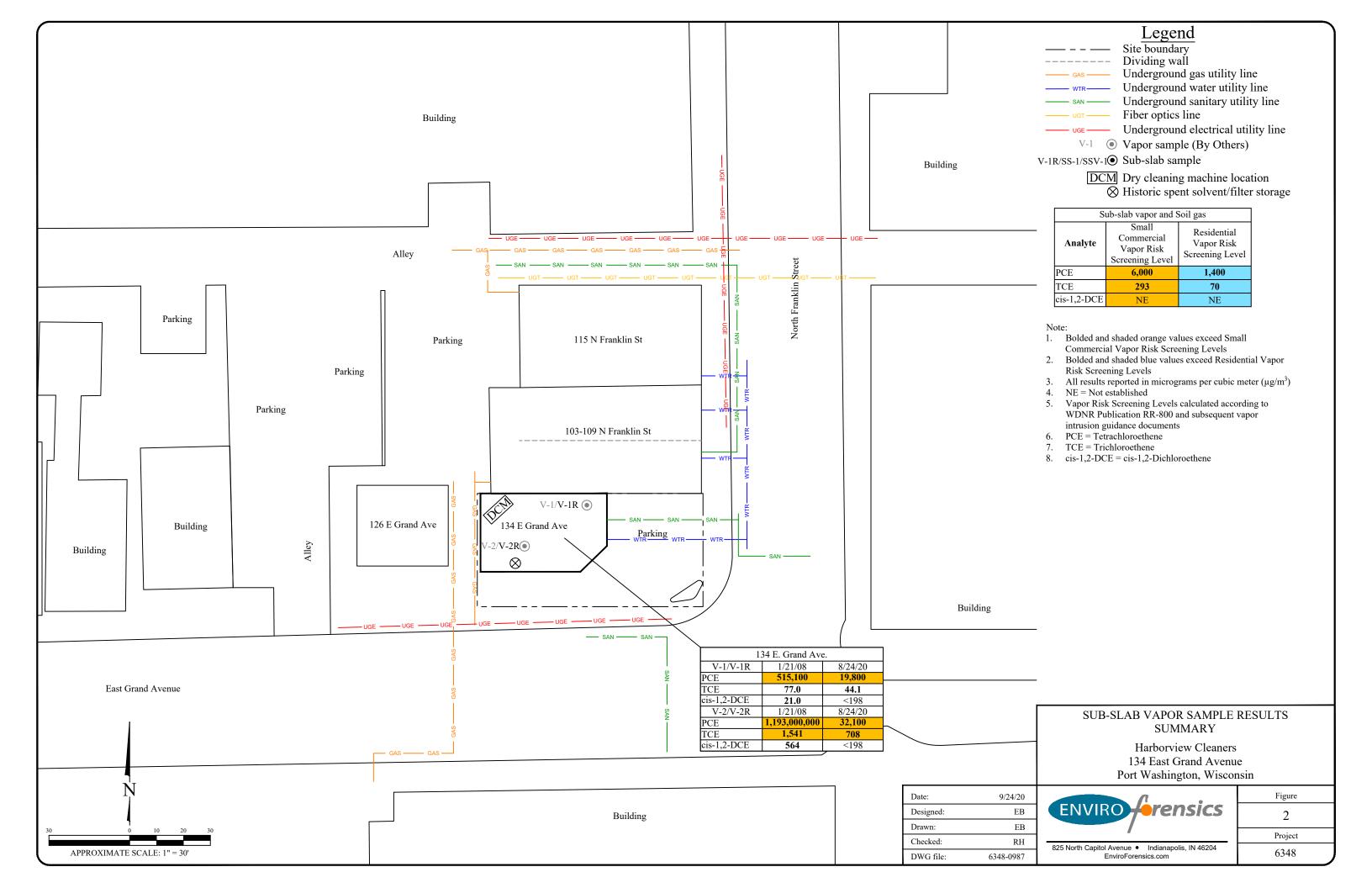
NE = Screening/action level not established

Bolded values are above detection limits

Bolded and shaded values exceed the applicable screening level







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 06/20)

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GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM:

Completion of the applicable portions of this form is required under Wis. Admin. Code § NR 724.13(3). Failure to submit this form as required is a violation of that rule section and is subject to the penalties in Wis. Stats. § 292.99. This form must be submitted every six months for remediation projects that report operation and maintenance progress, in accordance with Wis. Admin. Code §. NR 724.13(3). A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Submittal of this form is not a substitute for reporting required by department programs such as Waste Water or Air Management.

Notes:

- Long-term monitoring results submitted in accordance with Wis. Admin. Code § NR 724.17(3) 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 that section of code.
- Responsible parties should check with the department 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 response.
- 3. Responsible parties should check with the department Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and should obtain prior written approval for any omissions or changes.
- Responsible parties are required to report separately on a semi-annual basis under Wis. Admin. Code § NR 700.11(1). Reporting
 under that provision is through an internet-based form. More information can be found at:
 http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf.
- 5. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by Remediation and Redevelopment Program. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records Law (Wis. Stats. §§ 19.31–19.39).

Section GI - General Site	Information														
A. General Information 1. Site name Harborview Cleaners															
2. Reporting period from:	12/3	2/31/2020 Days in period:					365								
3. Regulatory agency (enter DNR	DNR, DATCP and/o	or other)		BRRTS ID N 2-46-548092		ogram-	2 digit	county-6	digit site	specific)					
5. Site location															
Region		Address													
Southeast Region	Southeast Region Ozaukee						134 E. Grand Ave								
Municipality name City			Township	Range	(E	Section	1/4	1/4 1/4							
Port Washington					11 N	22	Ŏ W	28	SE	NW					
6. Responsible party				7. Consultant				•							
Name Harborview Cleaners				Select if the following information has changed since the last submittal											
Mailing address				Company name											
Well-state to the CA of the Cartes of the CA	WI 52142		1	EnviroForensics, LLC											
7513 41st Ave, Kenosha,	W1 55142			Mailing address Phone number											
Phone number			- 1							TIDEI					
(26	2) 284-2370			N16W23390 Stone Ridge Drive, Suite G (262) 290-400						90-4001					
8. Contaminants Volatile Organic Compou	nds (Tetrachloroe	thene, Trich	loroet	hene)											
9. Soil types (USCS or USDA CL, ML, SM	4)							***************************************	er de la constante en constante	Name at the state of					
10. Hydraulic conductivity(cn	11. Average linear velocity of groundwater (ft/yr)														
3.3 x 10-4	19														

Site name: Harborview Cleaners			te Operation, Ma					
Reporting period from: <u>01/01/2020</u> To: <u>12/3</u>	172020	Monitoring & Optimization Report						
Days in period: 365	Fo	orm 4400-194 (R 06/2	20)	Page 2 of 29				
12. If soil is treated ex situ, is the treatment location	off site?	V - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 1	0)	′es ○ No				
If yes, give location: Region		County						
			-					
Municipality name City Town Village	1	Township R	ange O E Section 1/4	1/4 1/4				
		N	OW] I					
B. Remediation Method	Cheek all that apply							
Only submit sections that apply to an individual site.								
Landspreading/thinspreading of petroleum conta	aminated soil (submit a c	completed Section E	S-2).					
Other ex situ remediation method (submit a com	pleted Section ES-3).							
Site is a landfill (submit a completed Section LF-	·1).							
Biopiles (submit a completed Section ES-1).								
Other in situ soil remediation method (submit a c	completed Section IS-3).							
Soil natural attenuation (submit a completed Sec	ction IS-2).							
Soil venting (including soil vapor extraction build	ling venting and bioventi	ng submit a comple	ted Section IS-1).					
Other groundwater remediation method (submit	a completed Section GV	V-4).						
Groundwater natural attenuation (submit a comp	oleted Section GW-3).							
In situ air sparging (submit a completed Section	GW-2).							
Free product recovery (submit a completed Sect	tion GW-1).							
Groundwater extraction (submit a completed Se	ction GW-1).							
C. General Effectiveness Evaluation for All Acti	ve Systems							
If the remediation is active (not natural attentuation),		n.						
1. Is the system operating at design rates and specif			•	res No				
If the answer is no, explain whether or not modific	ations are necessary to	achieve the goal tha	at was previously establi	shed in design.				
2. Are modifications to the system warranted to impr	ove effectiveness		0)	es No				
If yes, explain:			0					
				(O !!				
3. Is natural attenuation an effective low cost option :4. Is closure sampling warranted at this time?	at this time?			′es				
 Are there any modifications that can be made to the 	he remediation to improv	e cost effectiveness		es No				
If yes, explain:			<u> </u>					

D. Esonomic and Cost Data to Dato 1. Total Investigation cost: 2. Implementation costs (design, capital and installation costs, excluding investigation costs: 3.17,000.00 3. Total costs during the previous reporting period: 4. Total costs during this reporting period: 5. Total anticipated costs for the next reporting period: 5. Total anticipated costs for the next reporting period: 6. Are any unusual or one-time costs listed in the reporting period covered by D.3., D.4. or D.5. above? 6. Are any unusual or one-time costs listed in the reporting period (D.5), extraction well SVE-1 will be modified to target a shallower zone of contamination identified during soil confirmation sampling was performed to evaluate the need for further remediation. During the next reporting period (D.5), extraction well SVE-1 will be modified to target a shallower zone of contamination identified during soil confirmation sampling in August 2020. Additionally, non-routine maintenance of the blower will be performed to address an oil leak. 7. If closure is anticipated within 12 months, estimated costs for project closeout E. Name(S). Signature(S) and Dato of Poisson(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 no respon activities during the six month reporting period. Registered Professional Engineers: I hereby certify that 1 am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirement 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. 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 Print name Title Print name Title	Site name: Harborview Cleaners			Site Operation, Ma	
D. Economic and Cost Data to Date 1. Total investigation cost: 2. Implementation costs (design, capital and installation costs, excluding investigation costs: 3.145,900.00 3. Total costs during the previous reporting period: 4. Total costs during this reporting period: 5. Total anticipated costs for the next reporting period: 5. Total anticipated costs for the next reporting period: 6. Are any unusual or one-time costs listed in the reporting period covered by D.3., D.4. or D.5. above? 6. Are any unusual or one-time costs listed in the reporting period (D.5), extraction well SVE-1 will be modified to target a shallower zone of contamination identified during soil confirmation sampling was performed to evaluate the need for further remediation. During the next reporting period (D.5), extraction well SVE-1 will be modified to target a shallower zone of contamination identified during soil confirmation sampling in August 2020. Additionally, non-routine maintenance of the blower will be performed to address an oil leak. 7. If closure is anticipated within 12 months, estimated costs for project closeout 1. If closure is anticipated within 12 months, estimated costs for project closeout 1. Replay 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 respon activities during the six month reporting period. 1. Registered Professional Engineers: 1. Inereby cortify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirement ch. A.E.4. 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. 1. Print name 1. Date 1/27/2021	Reporting period from: 01/01/2020	To: 12/31/2020	Monitoring & 0	Optimization Repo	rt
1. Total investigation cost: 2. Implementation costs (design, capital and installation costs, excluding investigation costs: \$145,900.00 3. Total costs during the previous reporting period: 5. Total anticipated costs for the next reporting period: 5. Total anticipated costs for the next reporting period: 5. Total anticipated costs for the next reporting period covered by D.3., D.4. or D.5. above? ¶ yes, explain: During this reporting period (D.4), confirmation soil and vapor sampling was performed to evaluate the need for further remediation. During the next reporting period (D.5), extraction well SVE-1 will be modified to target a shallower zone of contamination identified during soil confirmation sampling in August 2020. Additionally, non-routine maintenance of the blower will be performed to address an oil leak. 7. If closure is anticipated within 12 months, estimated costs for project closeout: E. Name(s), Signature(s) and Date of Person(s) Submitting Form Legibly print name, date and sign. Only persons qualified to burbint reports under ch. NR 712 Wis. Adm. Code are to sign this form sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no responsativities during the six month reporting period. Registered Professional Engineers: Inhereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirement six of Professional Conduct in ch. A-E Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E Wis. Adm. Code; on 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 Date Date Date Title Print name Title Brian Kappen Senior Geologist L hereby certify that I am a scientist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and tha	Days in period: 365		Form 4400-194 (R 06	5/20)	Page 3 of 29
1. Total investigation cost: 2. Implementation costs (design, capital and installation costs, excluding investigation costs: \$145,900.00 3. Total costs during the previous reporting period: 5. Total anticipated costs for the next reporting period: 5. Total anticipated costs for the next reporting period: 5. Total anticipated costs for the next reporting period covered by D.3., D.4. or D.5. above? ¶ yes, explain: During this reporting period (D.4), confirmation soil and vapor sampling was performed to evaluate the need for further remediation. During the next reporting period (D.5), extraction well SVE-1 will be modified to target a shallower zone of contamination identified during soil confirmation sampling in August 2020. Additionally, non-routine maintenance of the blower will be performed to address an oil leak. 7. If closure is anticipated within 12 months, estimated costs for project closeout: E. Name(s), Signature(s) and Date of Person(s) Submitting Form Legibly print name, date and sign. Only persons qualified to burbint reports under ch. NR 712 Wis. Adm. Code are to sign this form sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no responsativities during the six month reporting period. Registered Professional Engineers: Inhereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirement six of Professional Conduct in ch. A-E Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E Wis. Adm. Code; on 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 Date Date Date Title Print name Title Brian Kappen Senior Geologist L hereby certify that I am a scientist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and tha	D. Economic and Cost Data to	Date			
3. Total costs during the previous reporting period: 4. Total costs during this reporting period: 5. Total anticipated costs for the next reporting period: 5. Total anticipated costs for the next reporting period: 6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? 6 Yes ○ No If yes, explain: During this reporting period (D.4), confirmation soil and vapor sampling was performed to evaluate the need for further remediation. During the next reporting period (D.5), extraction well SVE-1 will be modified to target a shallower zone of contamination identified during soil confirmation sampling in August 2020. Additionally, non-routine maintenance of the blower will be performed to address an oil leak. 7. If closure is anticipated within 12 months, estimated costs for project closeout: EVAMPONE SIGNIDITURE(3) 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 sites with any onoging active remediation, monitoring or an investigation. Other persons may sign this form for sites with no responsativities 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 Rules of Professional Conduct in 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 4. Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 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, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all	W			\$183,400.00	
4. Total costs during this reporting period: 5. Total anticipated costs for the next reporting period: 5. Total anticipated costs for the next reporting period: 6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? 6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? 6. Are any unusual or one-time costs listed in the reporting period sourced by D.3., D.4. or D.5. above? 6. Are any unusual or one-time costs listed in the reporting period (D.5), extraction well SVE-1 will be modified to target a shallower zone of contamination identified during soil confirmation sampling in August 2020. Additionally, nonroutine maintenance of the blower will be performed to address an oil leak. 7. If closure is anticipated within 12 months, estimated costs for project closeout: 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 sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no responsitivities 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 Rules of Professional Conduct in ch. A-E, 4, Wis. Adm. Code, and that, to the best of my knowledge, all full 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, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700	2. Implementation costs (design,	capital and installation costs, exc	luding investigation costs:	\$145,900.00	
5. Total anticipated costs for the next reporting period: 6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? 6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? 6. Are any unusual or one-time costs listed in the reporting period (D.5), extraction well SVE-1 will be modified to target a shallower zone of contamination identified during soil confirmation sampling in August 2020. Additionally, non-routine maintenance of the blower will be performed to address an oil leak. 7. If closure is anticipated within 12 months, estimated costs for project closeout: 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 sites with no responsativities 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 requirement 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 Wisconsin, registered in accordance with the Rules of Professional Conduct in ch. A=E Wisconsin, registered in accordance with the Rules of Professional Conduct in ch. A=E Wisconsin, registered in accordance with the Rules of Professional Conduct in ch. A=E Wisconsin, registered in accordance with the Rules of Professional Conduct in ch. A=E Wisconsin, registered in accordance with the Rules of Professional Conduct in ch. A=E Wisconsin, registered in accordance with the Rules of Professional Conduct in ch. A=E Wisconsin, registered in accordance with the Rules of Professional Conduct in ch. A=E Wisconsin, registered in accordance with the Rules of Professional Conduct in ch. A=E Wisconsin, registered in A=E Wisconsin, registered in accordance with the Rules of Professional Conductin in ch. A=E Wisc	3. Total costs during the previous	reporting period:		\$17,000.00	
8. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? (a) Yes (b) No If yes, explain: During this reporting period (D.4), confirmation soil and vapor sampling was performed to evaluate the need for further remediation. During the next reporting period (D.5), extraction well SVE-1 will be modified to target a shallower zone of contamination identified during soil confirmation sampling in August 2020. Additionally, nonroutine maintenance of the blower will be performed to address an oil leak. 7. If closure is anticipated within 12 months, estimated costs for project closeout: 18. 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 sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no respon 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 requirement of A.A.E. 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A.E. 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 ch.s. NR 700 to 726, Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code and that, to the best of my knowledge, all of the information contained in this document was prepared in compliance with all applicable requirements in ch.s. NR 700 to 726, Wis. Adm. Code, and that, to the best of my knowledge all information contained in this document was prepared in compliance with all applicable requirements chs. NR 700 t	4. Total costs during this reporting	g period:	_	\$28,628.00	
If yes, explain: During this reporting period (D.4), confirmation soil and vapor sampling was performed to evaluate the need for further remediation. During the next reporting period (D.5), extraction well SVE-I will be modified to target a shallower zone of contamination identified during soil confirmation sampling in August 2020. Additionally, non-routine maintenance of the blower will be performed to address an oil leak. 7. If closure is anticipated within 12 months, estimated costs for project closeout: 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 sites with any orgoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no respon 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 requirement ch. A-E 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, am that, to the Dest of my knowledge, all of the 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, and that, to the best of my knowledge, all of the 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, and that, to the best of my knowledge all information contained in this document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code, and that, to the best of my knowledge all information contained in this document was prepared in compliance with all applicable requirement	5. Total anticipated costs for the r	next reporting period:		\$26,000.00	
During this reporting period (D.4), confirmation soil and vapor sampling was performed to evaluate the need for further remediation. During the next reporting period (D.5), extraction well SVE-1 will be modified to target a shallower zone of contamination identified during soil confirmation sampling in August 2020. Additionally, non-routine maintenance of the blower will be performed to address an oil leak. 7. It closure is anticipated within 12 months, estimated costs for project closeout: E. Name(s). Signature(s) and Date oil 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 sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no respon 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 requirement ch. AE. 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. AE. Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. AE. Wis. Adm. Code; that this document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. Print name Title Senior Engineer Date O2/01/2021 Hydrogeologists: I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance with requirements of ch. GHSS 3, Wis. Adm. Code and that, to the best of my knowledge, all of the 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, and that, to the best of my knowledge all information contained in this document was prepared in compliance with all applicable requirements chs	6. Are any unusual or one-time co	osts listed in the reporting periods	s covered by D.3., D.4. or D.5	5. above?	es O No
Registered Professional Engineers: I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirement 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 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 Robert Fedorchak Senior Engineer Date 02/01/2021 Hydrogeologists: I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code and that, to the best of my knowledge, all of the 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 Seientists: 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 of the information contained in this document was prepared in compliance with all applicable requirements contained in this document was prepared in compliance with all applicable requirements contained in this document is correct and the document was prepared in compliance with all applicable requirements chs. NR 700 to 726, Wis. Adm. Code. Print name Title Print name Title Print name Title Print name Title	further remediation. During shallower zone of contamin routine maintenance of the 7. If closure is anticipated within 1 E. Name(s), Signature(s) and E Legibly print name, date and sign sites with any ongoing active rem	g the next reporting period (D. ation identified during soil co- blower will be performed to at 12 months, estimated costs for pro- tate of Person(s) Submitting F. Only persons qualified to submediation, monitoring or an investig	.5), extraction well SVE-1 nfirmation sampling in Auddress an oil leak. oject closeout: orm it reports under ch. NR 712 V	will be modified to targust 2020. Additionall	get a y, non- n this form for
Print name Robert Fedorchak Signature Date 02/01/2021 Hydrogeologists: I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the 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 Signature Date 1/27/202) 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 knowled all information contained in this document is correct and the document was prepared in compliance with all applicable requirements chs. NR 700 to 726, Wis. Adm. Code. Print name Title Title Title Title Title Title	I hereby certify that I am a registe ch. A-E 4, Wis. Adm. Code; that the Wis. Adm. Code; and that, to the	red professional engineer in the shis document has been prepared best of my knowledge, all informa	in accordance with the Rules ation contained in this docum	s of Professional Conduct ent is correct and the doc	in ch. A-E 8,
Hydrogeologists: I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code and that, to the best of my knowledge, all of the 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 Senior Geologist Signature Date 1/27/202) 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 knowled all information contained in this document is correct and the document was prepared in compliance with all applicable requirements chs. NR 700 to 726, Wis. Adm. Code. Print name Title			 		
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I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance with requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the 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 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 knowled all information contained in this document is correct and the document was prepared in compliance with all applicable requirements chs. NR 700 to 726, Wis. Adm. Code. Print name Title Title	Signature Salvabel		Date 02/01/2021		
I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance with requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the 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 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 knowled all information contained in this document is correct and the document was prepared in compliance with all applicable requirements chs. NR 700 to 726, Wis. Adm. Code. Print name Title Title	Hydrogeologists:				
Brian Kappen Senior Geologist Date /27/202 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 knowled all information contained in this document is correct and the document was prepared in compliance with all applicable requirements chs. NR 700 to 726, Wis. Adm. Code. Print name Title	I hereby certify that I am a hydrog the requirements of ch. GHSS 2, \ and that, to the best of my knowle	Nis. Adm. Code, or licensed in ac dge, all of the information contain	ccordance with the requirement and in this document is correct	ents of ch. GHSS 3, Wis. A	Adm. Code,
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 knowled all information contained in this document is correct and the document was prepared in compliance with all applicable requirements chs. NR 700 to 726, Wis. Adm. Code. Print name Title	Print name		Title		
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all information contained in this document is correct and the document was prepared in compliance with all applicable requirements chs. NR 700 to 726, Wis. Adm. Code. Print name Title	Scientists:		' '		
	all information contained in this do	ocument is correct and the docum	R 712.03(3), Wis. Adm. Code nent was prepared in complia	, and that, to the best of mince with all applicable rec	ny knowledge, quirements in
Signature	Print name		Title		
Date	Signature		Date		

Site name: Harborview Cleaners			Remediation Site Operation, Maintenance					
Reporting period from: 01/01/2020	To: 12/31/2020	Monitoring & Optimizati	on Report					
Days in period: 365		Form 4400-194 (R 06/20)	Page 4 of 29					
Other Persons:								
Print name		Title						
Signature		Date						

Professional Seal(s), if applicable:





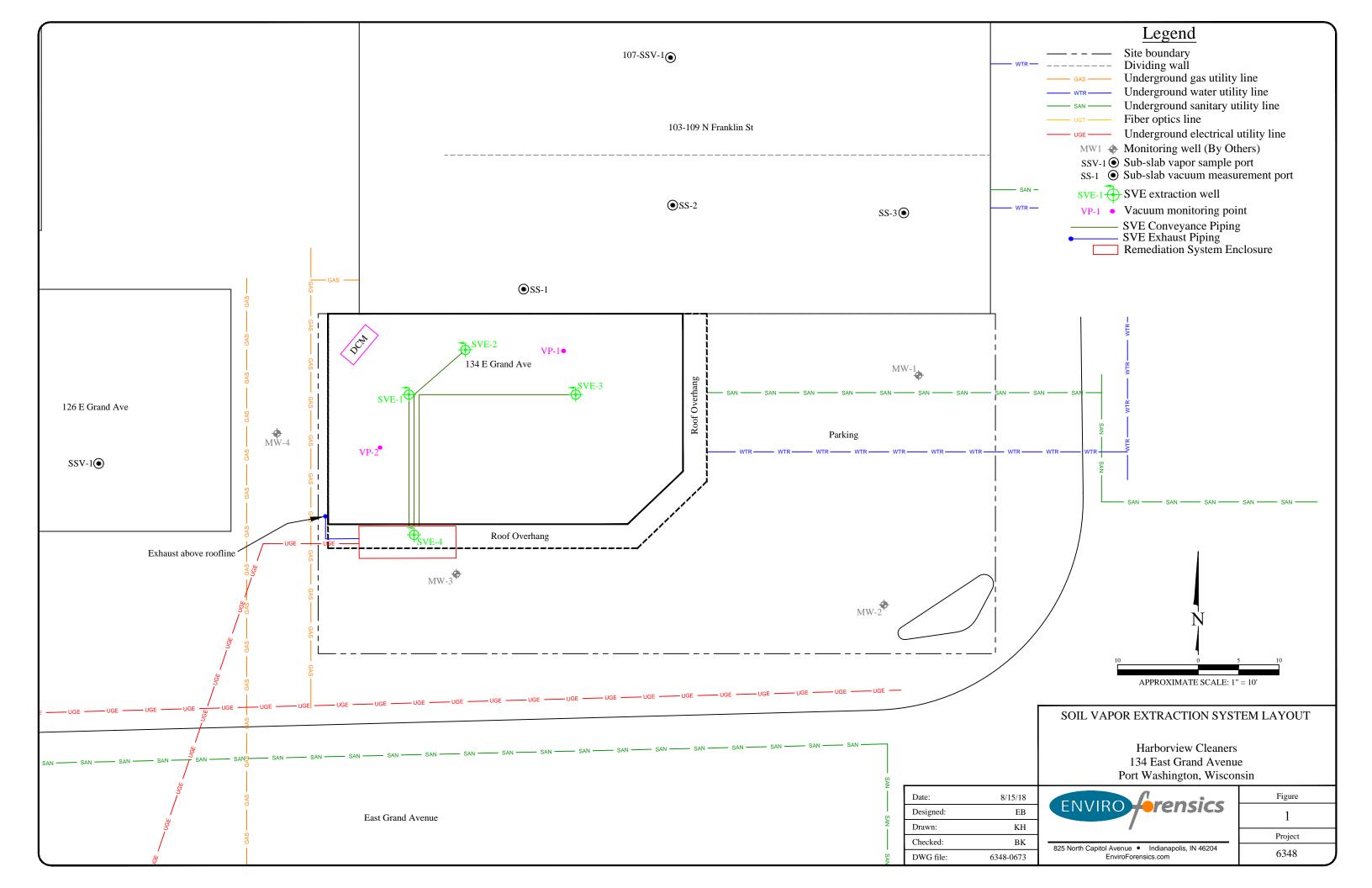
Site name: Harborview Cleaners				ion, Maintenance,
Reporting period from: 01/01/2020	To: 12/31/2020		& Optimization	n Report
Days in period: 365		Form 4400-194	(R 06/20)	Page 10 of 2
Section IS-1, Soil Venting (Includi A. Soil Venting Operation	ng Soil Vapor Extraction, I	Building Venting and	Bioventing)	
Note: This form is not required for bu and are not considered part of ongoin		s that are installed proa	actively to protect bu	uilding occupants/users
1. Number of air extraction wells avail	able and number of wells actu	ally in use during the p	eriod:	4
 Number of days of operation (only I 148. The system was intentional system was also shut down for a 	ally shut down in July 2020	in advance of soil ar	nd vapor confirma	
3. System utilization in percent (days of The SVE system was intentional Disregarding the time after shut	lly shut down in July 2020,	, and was not re-start		
4. Average depth to groundwater:		11	gpm	
B. Building Basement/Subslab Ver	nting System Operation		NO THE VALL	
1. Number of venting points available	and number of points actually	in use during the perio	d:	
Number of days of operation (only I				
3. System utilization in percent (days	of operation divided by report	ing time period multiplic	ed by 100). If < 80%	%, explain:
C. Effectiveness Evaluation				
C. Effectiveness Evaluation 1. Average contaminant removal rate	for the entire system:	0.05	pounds per day	
		0.05 0.013	pounds per day pounds per day	
1. Average contaminant removal rate	per well or venting point:	0.013 er day for the entire sy	pounds per day	ge contaminant remova
Average contaminant removal rate Average contaminant removal rate If the average contaminant removal	per well or venting point: rate is less than one pound point pound per day, evaluate to	0.013 er day for the entire sy he following:	pounds per day	
Average contaminant removal rate Average contaminant removal rate If the average contaminant removal rate per well is less than one tenth.	per well or venting point: rate is less than one pound point pound per day, evaluate to	0.013 er day for the entire sy he following:	pounds per day	
1. Average contaminant removal rate 2. Average contaminant removal rate 3. If the average contaminant removal rate per well is less than one tenth a. If contaminants are aerobically	per well or venting point: rate is less than one pound point a pound per day, evaluate the biodegradable and confirmation	0.013 er day for the entire sy he following: on borings have not be	pounds per day stem, or if the avera	

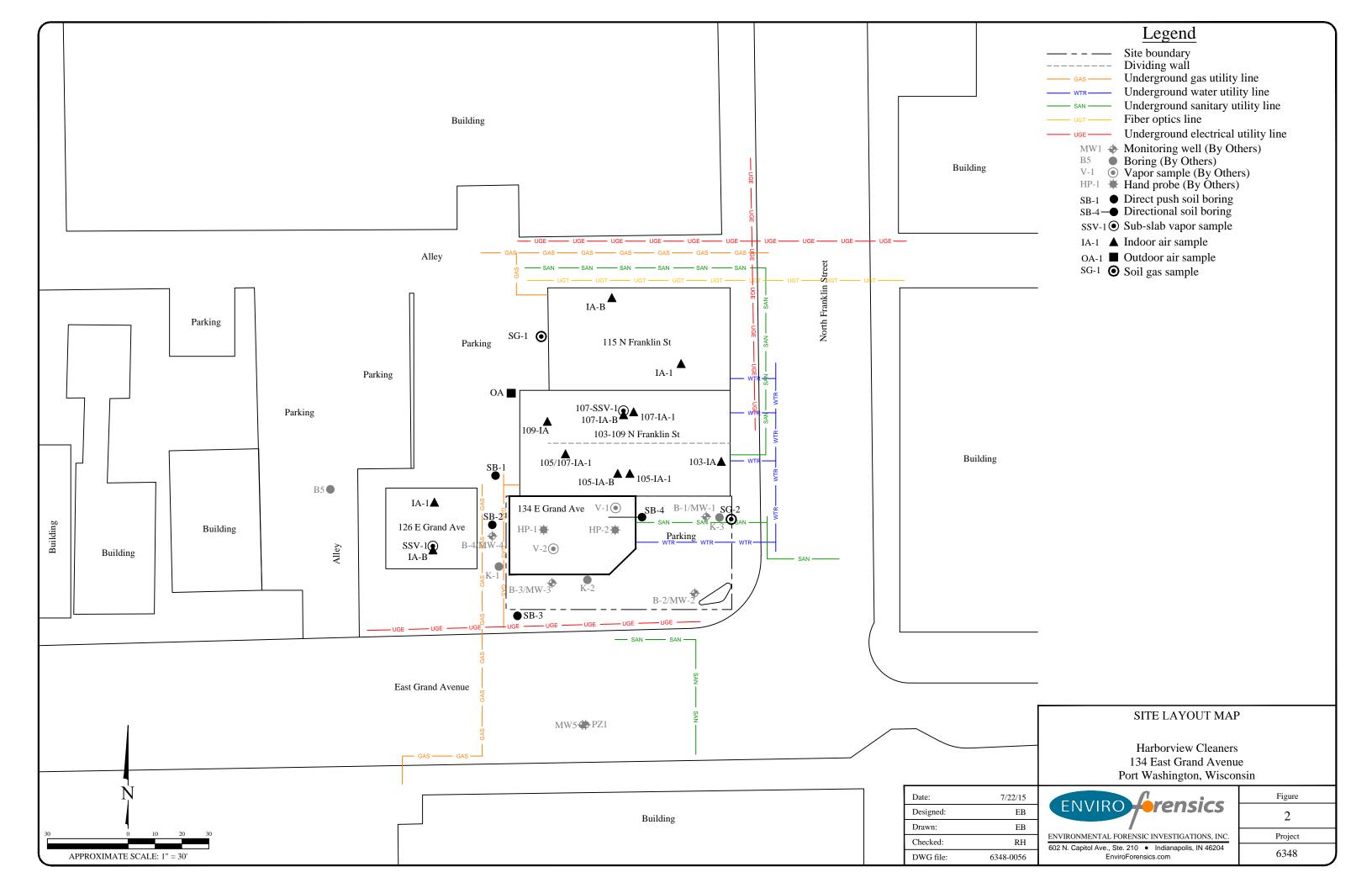
- Or, perform an in situ respirometry test in a zone of high contamination. Do not perform the test in an air extraction well, use a gas probe or water table well. If a zero order rate of decay based on oxygen depletion is less than 2 mg/kg per day, then you should drill confirmation borings, if the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

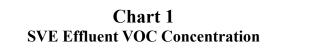
D. Additional Attachments

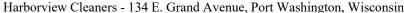
Attach the following to this form:

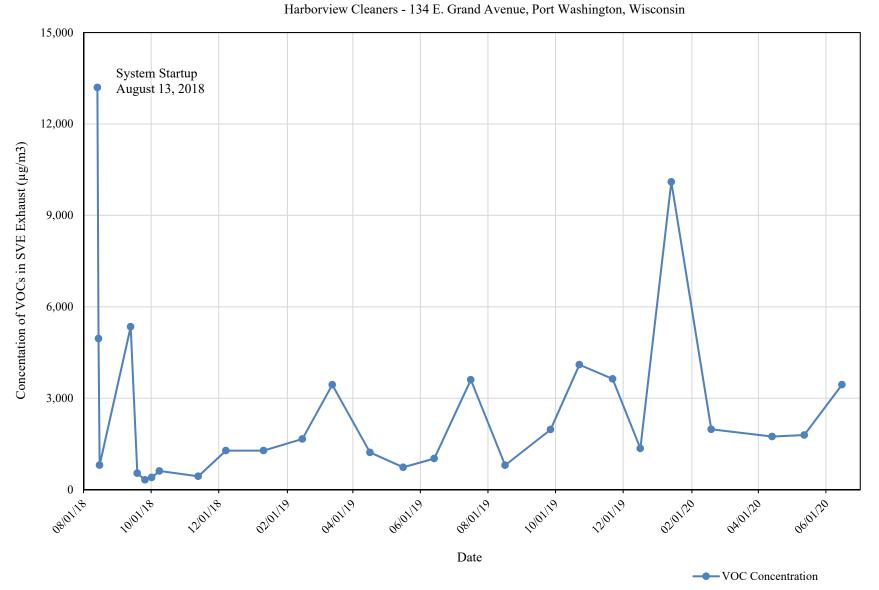
- Well and soil sample location map indicating all air extraction wells. If forced air injection wells are also in use, identify those
 wells.
- · If water table monitoring wells are present at the site, a map of well locations.
- Time versus vapor phase contaminant concentration graph.
- Time versus 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.













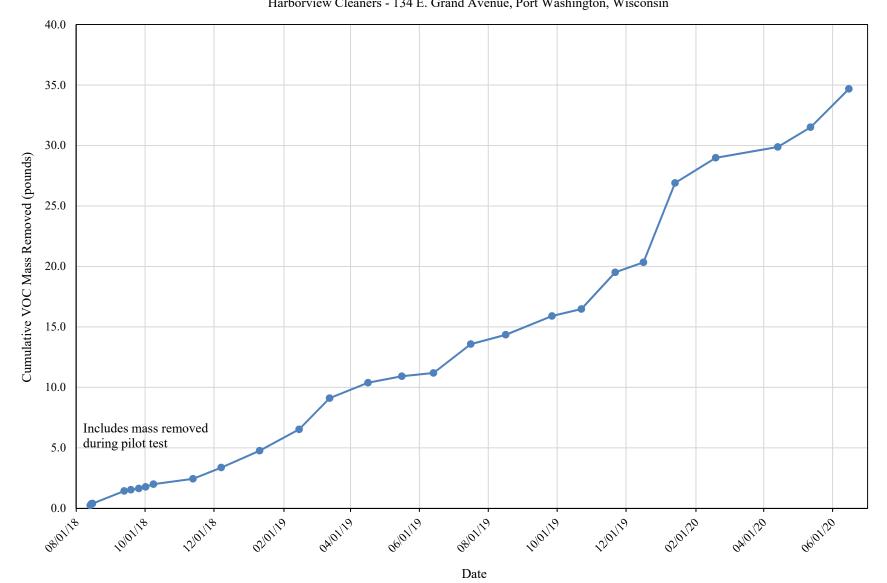


TABLE 1 GROUNDWATER ELEVATION DATA SUMMARY

Harborview Cleaners 134 East Grand Avenue Port Washington, Wisconsin

Well ID	TOC Elevation (feet AMSL)	Screened Interval (feet below TOC)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-1	591.69	4.6 - 19.6	4/18/2016	8.38	583.31
171 77 -1	371.07	4.0 - 17.0	7/19/2016	8.76	582.93
MW-2	591.81	2.6 - 12.6	4/18/2016	8.44	583.37
IVI VV -2	391.81	2.0 - 12.0	7/19/2016	8.71	583.10
MW-3	592.69	4.4 - 14.4	4/18/2016	11.19	581.50
IVI VV - 3	392.09	4.4 - 14.4	7/19/2016	11.38	581.31
MW-4	593.84	4.9 - 14.9	4/18/2016	11.83	582.01
101 00 -4	393.64	4.9 - 14.9	7/19/2016	12.08	581.76
MW-5	592.34	7.7 - 17.7	4/18/2016	10.98	581.36
1V1 VV - 3	372.34	/./ - 1/./	7/19/2016	11.14	581.20
PZ-1	592.42	29.3 - 34.3	4/18/2016	3.63	588.79
PZ-1	392.42	29.3 - 34.3	7/19/2016	8.75	583.67

Notes:

All values are in feet

AMSL = above mean sea level

TOC = top of casing reported in the 2009 Site Investigation Report



TABLE 2 SOIL VAPOR EXTRACTION SYSTEM OPERATIONAL DATA

Harborview Cleaners

134 E. Grand Avenue, Port Washington, Wisconsin

Date	T.*	System Runtime	VFD Setting	System Vacuum	Conv	eyance]	Line Va	cuum	Exhaust Pressure	Inlet Filter Differential Pressure	Exhaust Differential Pressure	Calculated Flow Rate	Intake Temperature	Exhaust Temperature	Effluent VOC Concentration
Date	Time	Panel Display	Panel Display	AWS	1	2	3	4	Exhaust Pipe	Filter Housing	Pitot Tube		AWS	Exhaust Pipe	Exhaust Port
		Hours	Hertz	in Hg		in	Hg		in H ₂ O	in H ₂ O	in H ₂ O	SCFM	°F	°F	$\mu g/m^3$
08/13/18	1103	3.5	60.0	-6.0	-7.0	0.0	-7.0	0.0	8.0	0.0	2.2	287		143	13,197
08/14/18	1100	26.4	60.0	-5.5	-7.0	0.0	-8.0	0.0	9.0	0.0	2.2	289		145	4,956
08/15/18	1345	50.6	50.0	-2.0	-2.0	-1.5	-1.8	-1.8	4.0	0.0	2.2	319		109	803
09/12/18	1333	187.8	51.2	-2.0	-3.0	-2.0	-2.0	-2.5	8.0	0.0	2.2	321	68	110	5,344
09/18/18	950	328.2	51.2	-2.0	-2.5	-2.0	-2.0	-2.0	8.0	0.0	2.1	306	63	103	536
09/25/18	1520	501.7	51.2	-5.0	-6.0	0.0	-5.5	0.0	5.0	0.0	1.7	254	65	123	319
10/01/18	1050	641.2	51.2	-3.2	0.0	-3.0	0.0	-3.0	7.0	0.0	2.0	295	57	110	397
10/08/18	1210	687.9	51.2	-5.6	-6.0	0.0	-5.5	0.0	5.0	0.0	1.7	260	60	116	612
11/12/18	1207	1,503.9	51.2	-1.5	-2.5	-1.5	-2.0	-2.0	7.0	0.0	2.2	332	48	82	437
12/07/18	1220	2,129.0	51.2	-3.1	0.0	-3.0	-3.0	0.0	6.0	0.0	2.1	310	49	88	1,280
01/10/19	1315	2,946.0	60.0	-3.3	0.0	-2.5	-3.0	0.0	7.5	0.0	2.8	355	48	96	1,280
02/14/19	924	3,781.3	59.0	-3.7	0.0	0.0	-3.0	-3.5	7.0	0.0	2.6	340	40	94	1,660
03/13/19	733	4,427.2	60.0	-5.0	0.0	-4.5	0.0	0.0	4.0	0.0	2.3	310	45	110	3,440
04/16/19	1235	5,247.8	60.0	-3.0	0.0	-2.5	-3.0	0.0	6.0	0.0	2.6	340	49	106	1,220
05/16/19	1024	5,965.7	60.0	-6.3	0.0	0.0	0.0	-6.7	2.4	0.0	2.0	272	45	123	732
06/13/19	1031	6,252.5	60.0	-8.0	0.0	0.0	-8.5	0.0	1.0	0.0	1.8	246	58	156	1,020
07/16/19	1335	6,765.1	60.0	-5.0	0.0	-5.5	0.0	0.0	2.0	0.0	2.8	345	57	90	3,603
08/16/19	1000	7,500.4	60.0	-2.8	0.0	-2.9	-3.0	0.0	4.5	0.0	2.8	351	63	119	799
09/26/19	910	8,154.9	60.0	-4.4	-5.4	0.0	0.0	-5.0	2.2	0.0	2.5	321	54	120	1,970
10/22/19	1020	8,278.7	60.0	-5.2	0.0	-5.2	0.0	0.0	2.5	0.0	2.3	302	57	124	4,100
11/21/19	911	8,998.5	60.0	-5.7	-5.2	0.0	-5.2	0.0	2.0	0.0	2.3	310	48	117	3,633
12/16/19	1050	9,516.8	60.0	-4.7	0.0	-4.9	0.0	0.0	NM	0.0	2.4	315	47	112	1,350
01/13/20	1117	10,188.8	60.0	-7.9	0.0	0.0	-8.0	0.0	11.2	0.0	2.0	258	48	148	10,100
02/18/20	1325	11,054.8	60.0	-4.3	5.5	0.0	0.0	5.0	11.0	0.0	2.5	324	35	108	1,980
03/24/20	1100	11,079.2	60.0	-7.3	0.0	0.0	-7.5	0.0	8.2	0.0	2.0	265	47	128	
04/13/20	1617	11,564.2	60.0	-7.3	0.0	0.0	-7.5	0.0	8.0	0.0	1.9	270	47	137	1,740
05/12/20	1040	12,245.5	60.0	-2.4	0.0	-2.7	-2.8	0.0	12.5	0.0	2.8	357	50	104	1,790
06/15/20	1150	12,994.2	60.0	-4.4	-5.0	0.0	0.0	-4.8	10.0	0.0	2.6	328	50	117	3,443

Notes:

in Hg = inches of mercury

in H_2O = inches of water

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

-- = reading or sample not collected

AWS = Air-water separator

NM = not measured due to gauge malfunction

SCFM = Standard cubic feet per minute

