



July 27, 2017

Mr. Robert Franz
c/o Hub Pub
15672 State Highway 80
Richland Center, WI 53581

File Ref: 03-53-000559

Subject: Basement Sump Water Sampling Results
Hub Pub, 15672 State Highway 80, Hub City

Dear Mr. Franz:

Attached are the laboratory reports for the analyses of the Hub Pub basement sump water samples collected by the DNR on July 5, 2017. The samples were analyzed for volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs), as you requested. You had requested sump water sampling be performed because you had observed "bad diesel fumes" (strong petroleum odors) from the sump area in the basement of the Hub Pub. Also, health department personnel sampled the air and the water well at the Hub Pub.

As we discussed by phone on July 13, 2017, laboratory analytical results indicated that petroleum contaminants were detected in the basement sump water samples at concentrations that exceeded the NR 140 enforcement standards. For reference, the enforcement standard is equivalent to the drinking water standard.

Benzene (a VOC) was detected at a concentration of 330 parts-per-billion (ppb), and this exceeds the NR 140 enforcement standard of 5.0 ppb. The NR 140 groundwater enforcement standard of 0.2 ppb was exceeded for benzo(a)pyrene (0.47 ppb), benzo(b)fluoranthene (0.51 ppb), and chrysene (0.62 ppb) (PAH compounds).

Also as we have discussed, and as suggested by health department personnel, the Hub Pub should be ventilated, a cover installed on the sump pump, and a fence should be installed around the sump discharge area to prevent people from coming into contact with the water.

In a separate letter, I will be sending a letter combining a summary of the Hub Pub sump water sampling results with the air and water well sampling results, and additional actions that are to be taken. The air sampling results indicate that a vapor action level was not exceeded. Also, no VOCs were detected in the water well samples. It is my understanding that you have been in contact with health department personnel regarding these additional sampling results.

If you have any questions, please contact me in writing at the letterhead address, by telephone at 608-275-3222 or by email at john.mason@wisconsin.gov.

Sincerely,

John Mason
Project Manager

cc: Robert Thiboldeaux, DHS, 1 West Wilson Street, Rm 150, Madison, WI 53701
Steven Martin, DNR

Wisconsin Department of Natural Resources
Laboratory Report

07/12/2017

Lab: 113133790

Sample: 325897001

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Laboratory: Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

Madison

WI 53718

Phone : 800-442-4618

Fax Phone : 608-224-6213

Sample:

Field #: HUB PUB SUMP

Sample #: 325897001

Collection Start: 06/05/2017 12:00 pm

Collection End: 07/05/2017 12:15 pm

Collected by: JOHN MASON

Waterbody/Outfall Id:

ID #:

ID Point #:

County:

Account #: RR051

Sample Location: 15672 STATE HWY 80 RICHLAND CENTER, WI 53581

Sample Description: WATER SAMPLE FROM THE SUMP IN THE BASEMENT OF THE HUB PUB

Sample Source: Other

Sample Depth:

Date Reported: 07/11/2017

Sample Status: COMPLETE

Project No:

Sample Reason:

Comment:

Analyses and Results:

Analysis Method		Analysis Date		Lab Comment		
EPA 8260B in Water		07/08/2017				
Code	Description	Result	Units	LOD	Report Limit	LOQ
34030	BENZENE	330	ug/L	30		95

Analysis Method		Analysis Date		Lab Comment		
EPA 8260B in Water		07/08/2017				
Code	Description	Result	Units	LOD	Report Limit	LOQ
77562	1,1,1,2-TETRACHLOROETHANE	ND	ug/L	5.0		16
34506	1,1,1-TRICHLOROETHANE	ND	ug/L	5.0		16
34516	1,1,2,2-TETRACHLOROETHANE	ND	ug/L	5.0		16
34511	1,1,2-TRICHLOROETHANE	ND	ug/L	5.0		16
34496	1,1-DICHLOROETHANE	ND	ug/L	3.0		9.5
34501	1,1-DICHLOROETHYLENE	ND	ug/L	5.0		16
77168	1,1-DICHLOROPROPENE	ND	ug/L	5.0		16
77613	1,2,3-TRICHLOROBENZENE	ND	ug/L	5.0		16
77443	1,2,3-TRICHLOROPROPANE	ND	ug/L	10		32
34551	1,2,4-TRICHLOROBENZENE	ND	ug/L	5.0		16
77222	1,2,4-TRIMETHYLBENZENE	47	ug/L	2.0		6.4
38437	1,2-DIBROMO-3-CHLOROPROPANE	ND	ug/L	10		32
77651	1,2-DIBROMOETHANE	ND	ug/L	5.0		16
34536	1,2-DICHLOROBENZENE	ND	ug/L	2.5		8.0

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07/12/2017

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Sample: 325897001

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<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
34531	1,2-DICHLOROETHANE	ND	ug/L	5.0		16
77093	1,2-DICHLOROETHYLENE CIS	ND	ug/L	3.0		9.5
34546	1,2-DICHLOROETHYLENE TRANS	ND	ug/L	5.0		16
34541	1,2-DICHLOROPROPANE	ND	ug/L	5.0		16
77226	1,3,5-TRIMETHYLBENZENE	ND	ug/L	2.0		6.4
34566	1,3-DICHLOROBENZENE	ND	ug/L	2.5		8.0
77173	1,3-DICHLOROPROPANE	ND	ug/L	3.0		9.5
34704	1,3-DICHLOROPROPENE-CIS	ND	ug/L	3.0		9.5
34699	1,3-DICHLOROPROPENE-TRANS	ND	ug/L	5.0		16
34571	1,4-DICHLOROBENZENE	ND	ug/L	2.5		8.0
77170	2,2-DICHLOROPROPANE	ND	ug/L	5.0		16
77275	2-CHLOROTOLUENE	ND	ug/L	3.0		9.5
81552	ACETONE	ND	ug/L	30		95
81555	BROMOBENZENE	ND	ug/L	5.0		16
77297	BROMOCHLOROMETHANE	ND	ug/L	5.0		16
32101	BROMODICHLOROMETHANE	ND	ug/L	5.0		16
32104	BROMOFORM	ND	ug/L	10		32
34413	BROMOMETHANE	ND	ug/L	5.0		16
77350	BUTYLBENZENE SEC	2.9	ug/L	2.0		6.4
77353	BUTYLBENZENE TERT	ND	ug/L	5.0		16
77041	CARBON DISULFIDE	ND	ug/L	3.0		9.5
32102	CARBON TETRACHLORIDE	ND	ug/L	5.0		16
34301	CHLOROBENZENE	ND	ug/L	2.5		8.0
34311	CHLOROETHANE	ND	ug/L	5.0		16
32106	CHLOROFORM	ND	ug/L	2.5		8.0
34418	CHLOROMETHANE	ND	ug/L	10		32
32105	DIBROMOCHLOROMETHANE	ND	ug/L	5.0		16
77596	DIBROMOMETHANE	ND	ug/L	5.0		16
34668	DICHLORODIFLUOROMETHANE	ND	ug/L	5.0		16
81577	DIISOPROPYL ETHER	ND	ug/L	2.5		8.0
34371	ETHYLBENZENE	35	ug/L	2.0		6.4
34391	HEXACHLOROBUTADIENE	ND	ug/L	5.0		16
81590	HEXANE, MIXTURE OF ISOMERS	21	ug/L	5.0		16
77223	ISOPROPYLBENZENE	14	ug/L	2.0		6.4

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Laboratory Report

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<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
85795	M/P-XYLENE	260	ug/L	4.0		13
81595	METHYL ETHYL KETONE	ND	ug/L	30		95
78133	METHYL ISOBUTYL KETONE (MIBK)	ND	ug/L	20		64
78032	METHYL TERT BUTYL ETHER	ND	ug/L	3.0		9.5
34423	METHYLENE CHLORIDE	ND	ug/L	5.0		16
77342	N-BUTYLBENZENE	5.2	ug/L	2.0		6.4
77224	N-PROPYLBENZENE	38	ug/L	2.0		6.4
34696	NAPHTHALENE	62	ug/L	3.0		9.5
77135	O-XYLENE	3.7	ug/L	3.0		9.5
77277	P-CHLOROTOLUENE	ND	ug/L	3.0		9.5
77356	P-ISOPROPYLTOLUENE	ND	ug/L	2.0		6.4
77128	STYRENE	ND	ug/L	2.5		8.0
34475	TETRACHLOROETHYLENE	ND	ug/L	5.0		16
81607	TETRAHYDROFURAN	ND	ug/L	20		64
34010	TOLUENE	11	ug/L	2.5		8.0
39180	TRICHLOROETHYLENE	ND	ug/L	5.0		16
34488	TRICHLOROFLUOROMETHANE	ND	ug/L	5.0		16
81611	TRICHLOROTRIFLUOROETHANE	ND	ug/L	5.0		16
39175	VINYL CHLORIDE	ND	ug/L	2.0		6.4

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Laboratory Report

07/12/2017

Lab: 113133790

Sample: 325904001

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Laboratory: Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

Madison

WI 53718

Phone : 800-442-4618

Fax Phone : 608-224-6213

Sample:

Field #: HUB PUB SUMP

Sample #: 325904001

Collection Start: 06/05/2017 12:00 pm

Collection End: 07/05/2017 12:15 pm

Collected by: JOHN MASON

Waterbody/Outfall Id:

ID #:

ID Point #:

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Sample Description: WATER SAMPLE FROM THE SUMP IN THE BASEMENT OF THE HUB PUB

Sample Source: Other

Sample Depth:

Date Reported: 07/12/2017

Sample Status: COMPLETE

Project No:

Sample Reason:

Comment:

Analyses and Results:

Analysis Method		Analysis Date		Lab Comment		
SW846 Method 8270D PAH in W		07/10/2017				
Code	Description	Result	Units	LOD	Report Limit	LOQ
78820	2,7-DIMETHYL NAPTHALENE	0.52	ug/L	0.11		0.34
34205	ACENAPHTHENE	0.11	ug/L	0.11		0.34
34200	ACENAPHTHYLENE	0.0	ug/L	0.11		0.34
34220	ANTHRACENE	0.26	ug/L	0.11		0.34
34526	BENZO (A) ANTHRACENE	0.75	ug/L	0.15		0.47
Comment: The internal standard QC limit is exceeded.						
34247	BENZO (A) PYRENE	0.47	ug/L	0.15		0.47
34230	BENZO (B) FLUORANTHENE	0.51	ug/L	0.15		0.47
34521	BENZO (G H I) PERLYENE	0.42	ug/L	0.15		0.47
34242	BENZO (K) FLUORANTHENE	0.46	ug/L	0.15		0.47
77802	BENZO(E)PYRENE	0.26	ug/L	0.15		0.47
34320	CHRYSENE	0.62	ug/L	0.15		0.47
Comment: The internal standard QC limit is exceeded.						
98306	CORONENE	0.0	ug/L	0.59		1.8
34556	DIBENZO (A H) ANTHRACENE	0.0	ug/L	0.25		0.76
34376	FLUORANTHENE	1.3	ug/L	0.11		0.34
34381	FLUORENE	0.20	ug/L	0.11		0.34
34403	INDENO (1,2,3-C D) PYRENE	0.56	ug/L	0.25		0.76
34461	PHENANTHRENE	0.64	ug/L	0.11		0.34
34469	PYRENE	0.94	ug/L	0.11		0.34

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<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
	<i>Comment: The internal standard QC limit is exceeded.</i>					
85787	RETENE	0.0	ug/L	0.11		0.34
	<i>Comment: The internal standard QC limit is exceeded.</i>					

<i>Analysis Method</i>		<i>Analysis Date</i>	<i>Lab Comment</i>			
SW846 Method 8270D PAH in W		07/11/2017				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
77418	1-METHYLNAPHTHALENE	5.4	ug/L	1.1		3.4
77416	2-METHYLNAPHTHALENE	6.6	ug/L	1.1		3.4
34696	NAPHTHALENE	25	ug/L	1.1		3.4