



July 1, 2015

Richard Paul, Jr., Public Works Director
Village of Elm Grove
13600 Juneau Boulevard
Elm Grove, Wisconsin 53122-1679

Subject: Environmental Investigation Sampling Results
BRRTS#: 02-68-552102

Dear Mr. Paul:

In accordance with the executed Agreement to Provide Access for Sampling Activities, and in accordance with Wisconsin Department of Natural Resources (WDNR) regulation NR 716.14, Environmental Forensic Investigations, Inc. (EnviroForensics) is providing the results of groundwater samples collected from Village of Elm Grove property monitoring wells (MW-8 and MW-9), that were collected June 18, 2015. The attached Site Layout Map shows the locations of the wells.

The sampling activities are part of an environmental investigation being performed for the One Hour Martinizing facility located at 13405 Watertown Plank Road, Elm Grove, Wisconsin as required by the WDNR pursuant to the authority granted to it under State and Federal law. The chemicals of concern for the investigation are the chlorinated dry cleaning solvent tetrachloroethylene (PCE) and associated chlorinated compounds resulting from the natural breakdown in the subsurface of PCE including trichloroethene (TCE), dichloroethene (DCE), and vinyl chloride.

The Responsible Party is:

Mr. Brian Cass
OHM Holdings, Inc.
W229 N2494 Hwy F
Waukesha, WI 53186
Telephone: 262-521-9710

Sampling Results

Copies of the pertinent analytical results sheets and summary tables comparing detected concentrations of chlorinated solvents to their associated regulatory standards have been attached. The groundwater samples collected from wells MW-8 and MW-9 did not contain concentrations of chlorinated compounds above laboratory detection limits.

We will contact you to discuss additional investigation work, if any. If you have any questions or concerns, please contact me at 414-982-3988 or by email at wfassbender@enviroforensics.com. The WDNR project manager, Mr. Jim Delwiche, can be reached at 262-574-4125. We greatly appreciate your help and patience with this matter.

Sincerely,
Environmental Forensic Investigations, Inc.

A handwritten signature in black ink, appearing to read "Wayne P. Fassbender".

Wayne P. Fassbender, PG, PMP
Sr. Project Manager

Attachments: Figure showing locations of monitoring wells
Groundwater Results Summary Table
Analytical Laboratory Report

Copy: Ted Warpinski, Friebert, Finerty & St. John, S.C. (via email)
Jim Delwiche, Wisconsin Department of Natural Resources
Brian Cass, OHM Holdings, LLC (via email)

TABLE 6
MONITORING WELL SAMPLE ANALYTICAL RESULTS
(detected compounds, only)
 One Hour Martinizing
 Elm Grove, Wisconsin

Boring Identification	Date Sampled	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	Naphthalene	1,2,4-Trimethylbenzene
Enforcement Standard		5	5	70	100	0.2	5	100	480
Preventive Action Limit		0.5	0.5	7	20	0.02	0.5	10	96
MW-8	12/6/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	2/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	5/8/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	8/5/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	10/31/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	3/31/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
MW-9	12/6/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	2/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	5/8/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	10/30/2014	NS	NS	NS	NS	NS	NS	NS	NS
	6/18/2015	<0.74	<0.54	<0.45	<0.54	<0.17	NA	NA	NA

Notes:

All concentrations reported in units of micrograms per liter (µg/l)

Samples analyzed using EPA SW-846 Method 8260

Bolded values indicate a laboratory detection

Bolded and Orange Shaded values exceed the Public Health Enforcement Standard

Bolded and Blue Shaded values exceed the Public Health Preventive Action Limit

NS--Could not sample well due to winter snow and ice conditions

J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit

Not Sampled = Not Sampled due to revised sampling Plan

NA = Not Analyzed

Project Name OHM ELM GROVE
Project # 6142 PO#2015534

Invoice # E29141

Lab Code 5029141F
Sample ID 6142-MW-6
Sample Matrix Water
Sample Date 6/17/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	34	ug/l	2.25	7	5	8260B		6/25/2015	CJR	1
trans-1,2-Dichloroethene	< 2.7	ug/l	2.7	8.5	5	8260B		6/25/2015	CJR	1
Tetrachloroethene	218	ug/l	3.7	12	5	8260B		6/25/2015	CJR	1
Trichloroethene (TCE)	41	ug/l	2.35	7.5	5	8260B		6/25/2015	CJR	1
Vinyl Chloride	< 0.85	ug/l	0.85	2.7	5	8260B		6/25/2015	CJR	1
SUR - Toluene-d8	96	REC %			5	8260B		6/25/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			5	8260B		6/25/2015	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			5	8260B		6/25/2015	CJR	1
SUR - Dibromofluoromethane	106	REC %			5	8260B		6/25/2015	CJR	1

Lab Code 5029141G
Sample ID 6142-MW-7
Sample Matrix Water
Sample Date 6/17/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	166	ug/l	0.45	1.4	1	8260B		6/25/2015	CJR	1
trans-1,2-Dichloroethene	9.3	ug/l	0.54	1.7	1	8260B		6/25/2015	CJR	1
Tetrachloroethene	257	ug/l	3.7	12	5	8260B		6/25/2015	CJR	1
Trichloroethene (TCE)	91	ug/l	0.47	1.5	1	8260B		6/25/2015	CJR	1
Vinyl Chloride	0.88	ug/l	0.17	0.54	1	8260B		6/25/2015	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		6/25/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		6/25/2015	CJR	1
SUR - 4-Bromofluorobenzene	112	REC %			1	8260B		6/25/2015	CJR	1
SUR - Dibromofluoromethane	107	REC %			1	8260B		6/25/2015	CJR	1

Lab Code 5029141H
Sample ID 6142-MW-8
Sample Matrix Water
Sample Date 6/18/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		6/25/2015	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		6/25/2015	CJR	1
Tetrachloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		6/25/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/25/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		6/25/2015	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		6/25/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		6/25/2015	CJR	1
SUR - 4-Bromofluorobenzene	107	REC %			1	8260B		6/25/2015	CJR	1
SUR - Toluene-d8	91	REC %			1	8260B		6/25/2015	CJR	1

Project Name OHM ELM GROVE
 Project # 6142 PO#2015534

Invoice # E29141

Lab Code 5029141I
 Sample ID 6142-MW-9
 Sample Matrix Water
 Sample Date 6/18/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		6/25/2015	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		6/25/2015	CJR	1
Tetrachloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		6/25/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/25/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		6/25/2015	CJR	1
SUR - Toluene-d8	95	REC %				1 8260B		6/25/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %				1 8260B		6/25/2015	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %				1 8260B		6/25/2015	CJR	1
SUR - Dibromofluoromethane	99	REC %				1 8260B		6/25/2015	CJR	1

Lab Code 5029141J
 Sample ID 6142-PZ-1
 Sample Matrix Water
 Sample Date 6/17/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		6/25/2015	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		6/25/2015	CJR	1
Tetrachloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		6/25/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/25/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		6/25/2015	CJR	1
SUR - Toluene-d8	92	REC %				1 8260B		6/25/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %				1 8260B		6/25/2015	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %				1 8260B		6/25/2015	CJR	1
SUR - Dibromofluoromethane	100	REC %				1 8260B		6/25/2015	CJR	1

Lab Code 5029141K
 Sample ID 6142-PZ-2
 Sample Matrix Water
 Sample Date 6/17/2015

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	0.78 "J"	ug/l	0.45	1.4	1	8260B		6/25/2015	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		6/25/2015	CJR	1
Tetrachloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		6/25/2015	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/25/2015	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		6/25/2015	CJR	1
SUR - Toluene-d8	95	REC %				1 8260B		6/25/2015	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %				1 8260B		6/25/2015	CJR	1
SUR - 4-Bromofluorobenzene	107	REC %				1 8260B		6/25/2015	CJR	1
SUR - Dibromofluoromethane	97	REC %				1 8260B		6/25/2015	CJR	1

CHAIN OF CUSTODY RECORD

Synergy

WIF

Environmental Lab, Inc.

Chain # **Nº 2981**

Page 1 of 2

Lab I.D. # _____
 Account No. _____ Quote No.: _____
 Project #: **6142**
 Sampler: (signature) *[Signature]*

1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Project (Name / Location): **OHM Elm Grove / Elm Grove, WI**
 Reports To: *W. Forstender / K. Heinstead*
 Invoice To: _____
 Company: **EnviroForensics**
 Company: _____
 Address: **216 W 255th Street, Ridge P.**
 Address: _____
 City State Zip: **Waukesha WI 53188**
 City State Zip: _____
 Phone: **317 972 7520**
 Phone: _____
 FAX: _____
 FAX: _____

Analysis Requested **Other Analysis**

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	
		Date	Time																						
SOPTM A	6142-MW-1	6/15/15	930		X	N	3	GW	HCl																
B	6142-MW-2	6/15/15	1420		X	N	3	GW	HCl																
C	6142-MW-3	6/18/15	1020		X	N	3	GW	HCl																
D	6142-MW-4	6/12/15	1145		X	N	3	GW	HCl																
E	6142-MW-5	6/12/15	1325		X	N	3	GW	HCl																
F	6142-MW-6	6/12/15	1515		X	N	3	GW	HCl																
G	6142-MW-7	6/12/15	1655		X	N	3	GW	HCl																
H	6142-MW-8	6/18/15	835		X	N	3	GW	HCl																
I	6142-MW-9	6/18/15	750		X	N	3	GW	HCl																
J	6142-P2-1	6/15/15	1235		X	N	3	GW	HCl																

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

PO# 2015534

Only report PCE, TCE, Cis-1,2 DCE, Trans-1,2 DCE & Vinyl Chloride!

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: *Refrigerated*
 Temp. of Temp. Blank _____ °C On Ice:
 Contact upon receipt: Yes No

Relinquished By: (sign) *[Signature]* Time: **09:49** Date: **6/19**
 Received By: (sign) *[Signature]* Time: **9:49** Date: **6/19/15**
 Received in Laboratory By: *[Signature]* Time: **10:00** Date: **6/20/15**