



April 12, 2017

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 the groundwater sample collected from Village of Elm Grove property (monitoring well, MW-8), on March 20, 2017. The sampling activities were conducted at the direction of the WDNR as part of an environmental investigation being performed for the One Hour Martinizing facility located at 13405 Watertown Plank Road, Elm Grove, Wisconsin. The chemicals of concern for the investigation are the chlorinated dry cleaning solvent tetrachloroethene (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

The analytical results of the groundwater samples are summarized and compared to public health criteria on **Table 1**. The sample location is depicted on the attached **Figure 1**. An excerpt from the laboratory report that relates to the groundwater samples collected from the monitoring well is also attached. The groundwater sample collected from monitoring well MW-8 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".

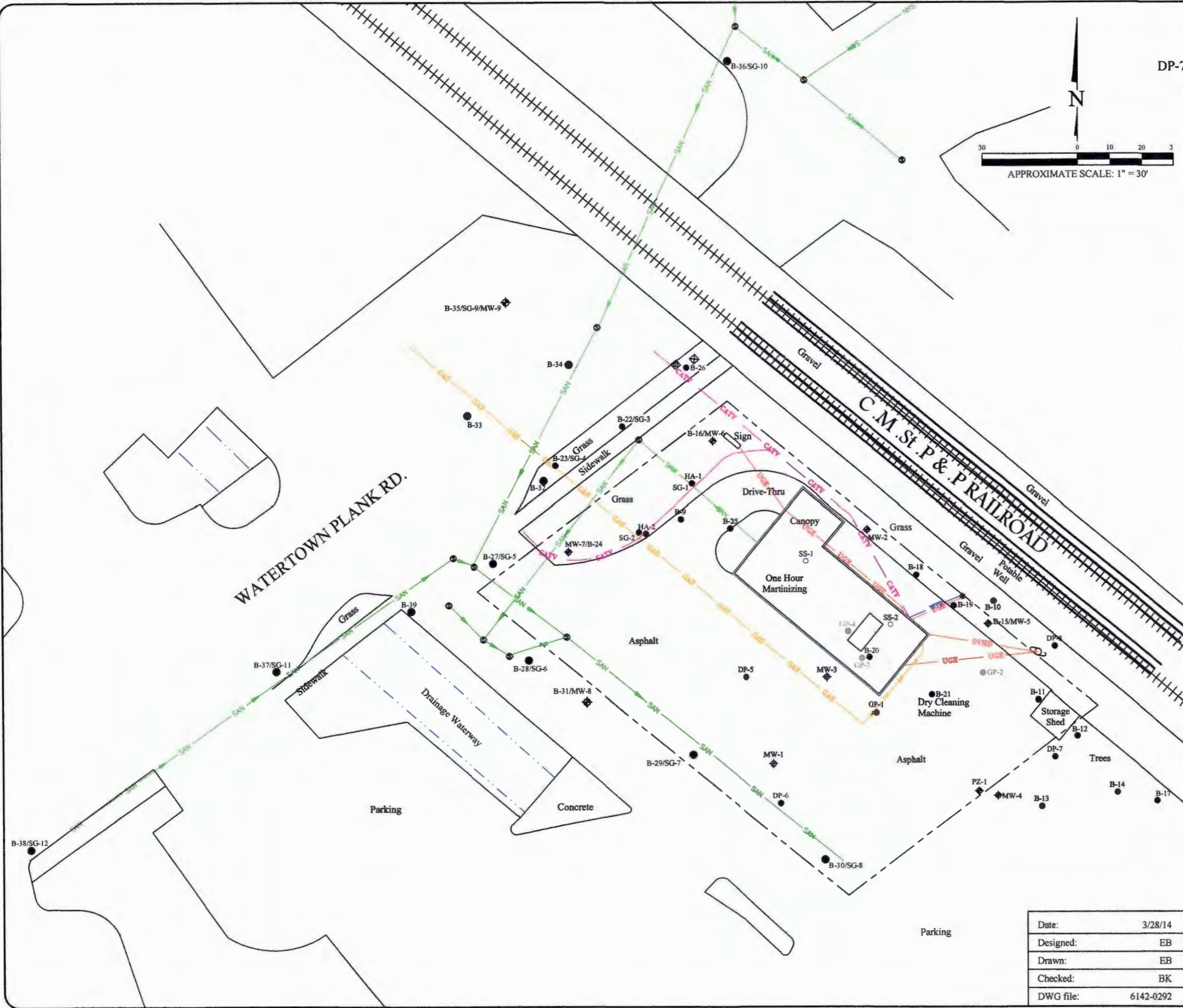
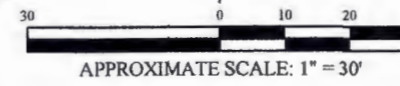
Wayne P. Fassbender, PG, PMP
Sr. Project Manager

Attachments: Figure 1: Site Layout Map
Table 1: Groundwater Results Summary
Laboratory Analytical 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)

Legend

- GP-1 ● Direct-push boring sample location (by others)
- DP-7,HA-1,B-9 ● Direct-push boring sample location
- MW-2 ⊕ Monitoring well location
- SG-1 ● Soil gas boring location
- SS-1 ○ Sub-slab vapor sample location
- Property boundary
- UGAS --- Underground gas utility line
- WTR --- WTR --- Underground water utility line
- SAN --- SAN --- Underground sanitary utility line (Arrow shows direction of flow)
- CATV --- CATV --- Underground cable television utility line
- OVED --- OVED --- Over head electrical utility line
- UGE --- UGE --- Underground electrical utility line
- Ⓢ Sanitary Sewer Manhole



SITE LAYOUT MAP

One Hour Martinizing
13405 Watertown Plank Road
Elm Grove, WI

Date:	3/28/14
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6142-0292

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

Figure	1
Project	6142

TABLE 1
MONITORING WELL SAMPLE ANALYTICAL RESULTS
 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
	6/18/2015	<0.74	<0.54	<0.45	<0.54	<0.17	NA	NA	NA
	9/4/2015	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1.6	<1.6
	12/3/2015	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1.6	<1.6
	5/24/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1.6	<1.6
	11/15/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1.6	<1.6
3/20/2017	<0.48	<0.45	<0.41	<0.35	<0.19	<0.17	<2.17	<1.14	

Notes:

All concentrations reported in units of micrograms per liter (µg/l)
 Samples analyzed using EPA SW-846 Method 8260
 NA = Not Analyzed

Project Name OHM-ELM GROVE
 Project # 6142 PO#2017-0492

Invoice # E32712

Lab Code 5032712D
 Sample ID 6142-MW-8
 Sample Matrix Water
 Sample Date 3/30/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		4/5/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		4/5/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		4/5/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		4/5/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		4/5/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		4/5/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		4/5/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		4/5/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		4/5/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		4/5/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		4/5/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		4/5/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		4/5/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		4/5/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		4/5/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		4/5/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		4/5/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		4/5/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		4/5/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		4/5/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		4/5/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		4/5/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		4/5/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		4/5/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		4/5/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		4/5/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		4/5/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		4/5/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		4/5/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		4/5/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		4/5/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		4/5/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		4/5/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		4/5/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		4/5/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		4/5/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/5/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		4/5/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		4/5/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		4/5/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		4/5/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		4/5/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		4/5/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		4/5/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		4/5/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		4/5/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		4/5/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		4/5/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		4/5/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		4/5/2017	CJR	1

Project Name OHM-ELM GROVE
Project # 6142 PO#2017-0492

Invoice # E32712

Lab Code 5032712D
Sample ID 6142-MW-8
Sample Matrix Water
Sample Date 3/30/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		4/5/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		4/5/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		4/5/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/5/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		4/5/2017	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		4/5/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		4/5/2017	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		4/5/2017	CJR	1

