

September 21, 2016



Wisconsin Department of Natural Resources
 Waukesha Service Center
 141 NW Barstow Street
 Waukesha, Wisconsin 53188

Rec'd
 9-28-16
 DSU

Attention: Mr. Dave Volkert

Re: **Data Transmittal**
 Clare Central Apartments
 1003 and 1033 West Atkinson Avenue
 Milwaukee, Wisconsin
 Terracon Project No. 58107058A
 WDNR BRRTS #02-41-549867
 VPLE BRRTS #06-41-560680

Dear Mr. Volkert:

Terracon Consultants, Inc. (Terracon) prepared this data transmittal on behalf of St. Clare Management (St. Clare) to summarize the supplementary site investigation work performed to date at the Clare Central apartment complexes located at 1003 and 1033 Atkinson Avenue, Milwaukee, Wisconsin (site). Supplementary site investigation work was generally completed as proposed in our *Supplementary Site Investigation Work Plan* dated January 11, 2016, and Terracon's *Supplementary Site Investigation Work Plan-Revised* dated March 30, 2016.

A Sub-Slab Depressurization System (SSDS) installation report, Site Diagram, and analytical tables are included in this data transmittal. SSDS, soil/groundwater installation/sampling activities which were presented in the Supplemental Site Investigation Work Plan are completed. The following sections present a brief status of work performed.

Sub-Slab Depressurization System Modifications

On June 30 and July 7, 2016, Acura Services installed SSDSs in the 1003 and 1033 storage sheds, to supplement the existing SSDSs in each complex. According to Acura, the sub-slab communication testing showed a good zone of influence. Acura's July 7, 2016 report is attached.

Direct-Push Supplemental Soil Investigation

On June 23, 2016, Terracon supervised the installation of soil borings P-28 and P-29 at 3614 North 11th Street, soil boring P-30 and groundwater monitoring well MW-11 on the 3604 North 11th Street property, soil borings P-31 and P-32 in the alley, and eight (8) soil borings (P-33 through P-40) on-site along West Atkinson Avenue. The locations are presented on the attached Site Diagram. A review of the analytical results indicate soil to groundwater residual contaminant level (RCL) exceedances in several

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Data Transmittal

Clare Central Apartments ■ Milwaukee, Wisconsin
September 21, 2016 ■ Terracon Project No. 58107058A



borings along Atkinson Avenue. Trichloroethane (TCE) was detected at concentrations above its soil to groundwater RCL in borings P-33, 34, 35, 36, 39, and 40; however, the detected concentrations are below the non-industrial, direct-contact RCL. The soil analytical results are below RCLs, and/or method detection limits in borings P-37 & P-38 (along Atkinson Avenue), P-31 & P-32 (in the alley), P-28 & P-29 (3614 North 11th Street property) and P-30 & MW-11 (3604 North 11th Street property). The soil analytical results are summarized on Table 1.

Groundwater Monitoring Well Installation, Development, and Sampling

On June 23, 2016, Terracon supervised the installation of groundwater monitoring well MW-11 in the backyard of the 3604 North 11th Street property. Groundwater monitoring wells MW-10 and MW-11 were subsequently sampled, and the groundwater results from MW-10 (3618 North 11th Street property) indicate a Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit (PAL) exceedance for TCE, though the result was well below the NR 140 enforcement standard (ES). Groundwater from groundwater monitoring well MW-11 did not contain volatile organic compounds (VOCs) at concentrations above the method detection limits.

Ambient Air Testing

Terracons certified letter to the owner of the 3618 North 11th Street residence was returned; therefore, per our September 13, 2016 discussion, Terracon performed the ambient air sampling in the Clare Central complexes from September 14-15, 2016. Terracon will submit a data transmittal to the Department after the ambient results are tabulated.

We believe the site investigation work is complete, and are requesting Department concurrence prior to the completion of the Supplemental Site Investigation report. Please contact us with questions/comments you may have.

Sincerely,



Timothy P. Welch, P.G.

Environmental Department Manager

TPW/BRS:tpw\N:\Projects\2010\58107058A\Working Files\Data Trans_Sept.2016.doc

- Attachments Acura Services - Post Mitigation Report for Two Mitigation Systems
- Figure 1 - Site Diagram
- Table 1 - Soil Analytical Test Results Summary for VOCs (Detected Compounds Only)
- Table 2 - Groundwater Analytical Test Results Summary for Detected VOCs

Copy to: Margie Kidder, St. Clare Management (Electronically)
Michelle Williams, Husch Blackwell (Electronically)



Vapor Intrusion Mitigation Services
Anthony G. Hendricks P.E.

July 7, 2016

Mr. Tim Welch, P.G., Environmental Services
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Post Mitigation Report For Two Mitigation Systems

Project: Clare Central, 1003 & 1033 W. Atkinson Ave., Milwaukee, WI

Project Summary

Based on the meeting held on site in Milwaukee, May 25, 2016, and subsequent recommendations a system was installed in the attached storage shed at 1003 W. Atkinson June 30, 2016 and a system was installed in the attached storage shed at 1033 W. Atkinson July 7, 2016.

These systems were proposed and installed to supplement two existing systems operating on the opposite side of each building.

Communication testing was performed before installing the systems to be sure that good connectivity existed between the attached shed and Apartment 1 in each building.

Depressurization readings were taken following startup of each system.

Very good depressurization was found after start up indicating that when both systems are running in each building soil vapor that might enter living areas from beneath the floor is being captured and routed outside through system piping.

Project/ Installation Description

1003 W. Atkinson Ave., Milwaukee, WI

On June 30, 2016 a soil vapor mitigation system was installed outside apartment 1 in an attached storage shed at 1003 W. Atkinson, Ave. Communication testing was done to establish that the attached storage shed would be a good location for a mitigation system. Once connectivity was established between the storage shed and Apartment 1 opening a hole through the concrete floor began.



Vapor Intrusion Mitigation Services
Anthony G. Hendricks P.E.

A section of concrete was broken out and removed. Gravel was found beneath the slab. Approximately a bucket and one half of gravel was removed to facilitate the collection of soil vapor at that point. A flat sump lid was then sealed to the concrete and a transition hub installed in the lid. Three inch schedule 40 PVC was installed to above shelf height. The fan was installed on the top of that riser pipe. The discharge piping was then run through the roof of the storage shed for final discharge.

Discharge piping was routed to over 2 feet above the top of a nearby window before being angled out at 45 degrees with 2 feet more of pipe for final discharge. This was done based on standards developed by EPA to reduce the possibility of entrainment of the gas back into the building.

A manometer was installed on the riser pipe below the fan to indicate operation. The manometer read 1.2 inches of WC following startup. An information label was placed on the riser pipe with installers name, phone, date of installation, certification number and estimate of annual power cost.

Following startup depressurization readings were taken again and found in sample pt.1 at approximately 30 feet from the pickup point to minus -0.012 inches of WC. At sample pt. 2 at about 18 feet from the pickup point the reading was minus -0.011 inches of WC.

Before startup of the mitigation system the depressurization readings in both sample points bounced around from 0.000 to minus -0.004.

1033 W. Atkinson Ave., Milwaukee

On July 7, 2016 a soil vapor mitigation system was installed in an attached storage shed outside apartment 1 at 1033 W. Atkinson, Ave. Communication testing was done to establish that the attached storage shed would be a good location for a mitigation system. Once connectivity was established between the storage shed and Apartment 1 opening a hole through the concrete floor was opened.

A section of concrete was broken out and removed. Gravel was found beneath the slab. Approximately a bucket of gravel was removed to facilitate the collection of soil vapor at that point. A flat sump lid was then sealed to the concrete and a transition hub installed in the lid. Three inch schedule 40 PVC was installed to above shelf height. The fan was installed on the top of that riser pipe. The discharge piping was then run through the roof of the storage shed for final discharge.

A manometer was installed on the riser pipe below the fan to indicate operation. The manometer read 1.1 inches of WC following startup. An information label was placed on the riser pipe with installers name, phone, date of installation, certification number and estimate of annual power cost.



Vapor Intrusion Mitigation Services

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Discharge piping was routed to over 2 feet above the top of a nearby window before being angled out at 45 degrees with 2 feet more of pipe for final discharge. This was done based on standards developed by EPA to reduce the possibility of entrainment of the gas back into the building.

Following startup depressurization readings were taken again and found in sample pt.1 at approximately 30 feet from the pickup point to minus -0.012 inches of WC.

Before startup of the mitigation system the depressurization readings in the sample point bounced around from 0.000 to minus -0.006.

Fan Installed

Each system has a RadonAway RP145 fan installed. The RP145; 110 volt, 72 watts max, capable of pulling 2.1 inches of WC.

The fan at 1003 W. Atkinson Ave., Milwaukee, WI was pulling 1.2 inches of WC following startup based on the fan curve that would be approximately 50 cfm.

The fan at 1033 W. Atkinson Ave., Milwaukee, WI was pulling 1.1 inches of WC following startup. Based on the fan curve that would be approximately 55 cfm.

Cuttings Removed/Soil Removed

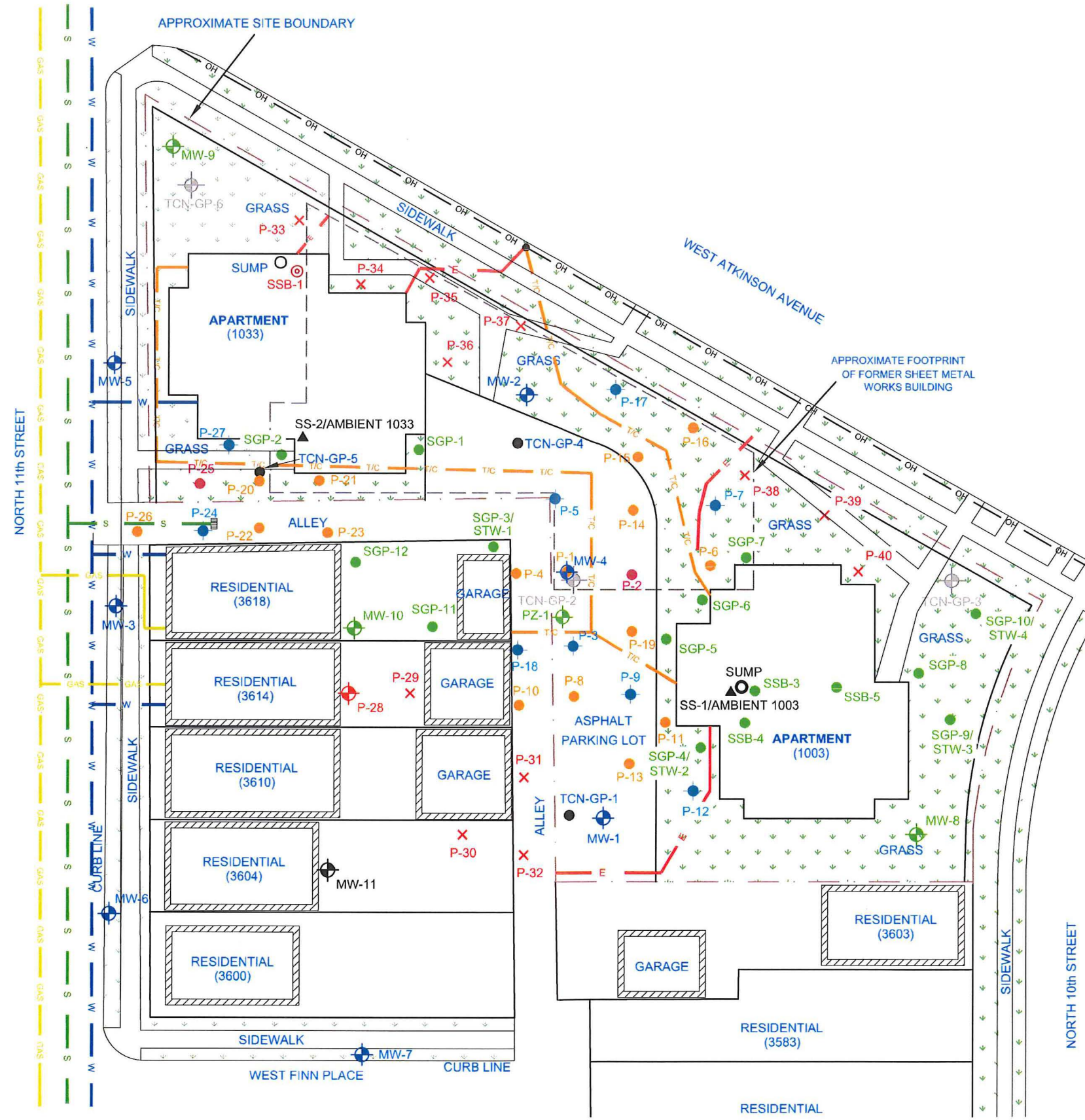
Gravel removed to develop the pickup points was placed in a barrel on site by Terracon Inc.

Conclusion

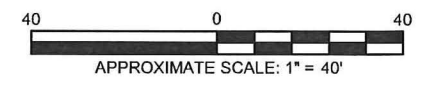
The project goal to supplement the existing systems in each building, that by themselves were not adequately depressurizing Apartment 1 in each building, was achieved. Depressurization readings following startup in Apartment 1 in each building demonstrated an effective level of depressurization has now been achieved.

Prepared by;

Anthony G. Hendricks P.E / Owner



- LEGEND**
- SOIL & GROUNDWATER PROBE LOCATION (TERRACON LSI, AUGUST 16, 2006)
 - SOIL PROBE LOCATION (TERRACON LSI, AUGUST 16, 2006)
 - GROUNDWATER MONITORING WELL LOCATION
 - GEOPROBE BORING LOCATION (20 FEET BGS)
 - GEOPROBE BORING LOCATION (20 FEET BGS) WITH TEMPORARY WELL
 - GEOPROBE BORING LOCATION (35 FEET BGS)
 - SUB SLAB VAPOR MONITORING POINT (2/11/11)
 - ELECTRIC (WE ENERGIES)
 - COMMUNICATION (AT & T)
 - WATER LINE
 - GAS LINE
 - SEWER LINE
 - OVERHEAD LINES
 - STORM SEWER
 - SOIL BORING LOCATION (TERRACON SI, JUNE 23, 2016)
 - GROUNDWATER TEMPORARY WELL (TERRACON SI, JUNE 23, 2016)
 - GROUNDWATER MONITORING WELL LOCATION (TERRACON SI, JUNE 23, 2016)
 - GROUNDWATER MONITORING WELL/PIEZOMETER LOCATION (SIGMA)
 - GEOPROBE BORING LOCATION (SIGMA)



Project Mgr:	TPW	Project No.	58107058
Drawn By:	JMN	Scale:	AS SHOWN
Checked By:	DMB	File No.	58107058 SD
Approved By:	TPW	Date:	8/25/2016

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SITE DIAGRAM

CLARE CENTRAL
 1003 AND 1033 WEST ATKINSON AVENUE

FIG. No.
1

(1) MAP SOURCE: MILWAUKEE COUNTY LAND INFORMATION OFFICE INTERACTIVE MAPPING SERVICE WEBSITE (2010 AERIAL)
 (2) DIAGRAM IS FOR GENERAL LOCATION ONLY AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES. LOCATIONS OF SIDEWALKS, PROPERTY LINES, AND OTHER SITE FEATURES ARE APPROXIMATE.

Table 1
Soil Analytical Test Results Summary for VOCs (Detected Compounds Only)

Clare Central
1003 and 1033 West Atkinson Avenue
Milwaukee, Wisconsin
Terracon Project No. 58107058

Sample ID	Sample Depth (feet)	Sample Date	PID (iu)	Detected VOCs (ug/kg)																				
				Benzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethane	trans-1,2-Dichloroethane	Ethylbenzene	Isopropylbenzene	p-isopropyltoluene	Naphthalene	n-Propylbenzene	Styrene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Tetrachloroethene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	Total xlenes
Direct Contact Non-Industrial RCL ¹				1,490	4,720	608	342,000	156,000	1,560,000	7,470	--	162,000	5,150	--	867,000	4,810,000	1,480	30,700	818,000	1,260	89,800	182,000	67	260,000
Soil to Groundwater Pathway RCL ²				5.1	483.4	2.8	5	41.2	62.6	1,570	--	--	658.2	--	220	140.2	3.2	4.5	1,107.2	3.6	1,382.1	0.1	3,960	
TCN-GP-1	6	7/20/2006	<1	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	--	<25.0	--	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	
TCN-GP-2	10	7/20/2006	1,182	<25.0	<25.0	<25.0	<25.0	6,100	119	1,950	29.0	<25.0	--	<25.0	--	<25.0	--	<25.0	2,970	180,000	44	<25.0	4,210	
TCN-GP-3	6	7/21/2006	0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	--	<25.0	--	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	
TCN-GP-4	2	7/21/2006	5	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	--	<25.0	--	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	
TCN-GP-5	10	7/21/2006	32	<25.0	<25.0	<25.0	<25.0	640	47	<25.0	<25.0	<25.0	--	<25.0	--	<25.0	--	<25.0	<25.0	680	<25.0	<25.0	<50.0	
TCN-GP-6	6	7/21/2006	0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	--	<25.0	--	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	
P-1	3	10/18/2010	10	<25.0	<25.0	<25.0	<25.0	34.6	105	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	--	72.1	<25.0	64.0	<25.0	<25.0	216	
	8	10/18/2010	2,640	<2,000	<2,000	<2,000	<2,000	6,780	<2,000	<2,000	<2,000	<2,000	--	<2,000	<2,000	<2,000	--	<2,000	<2,000	264,000	<2,000	<2,000	<6,000	
	12	10/18/2010	7	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	--	<25.0	<25.0	78.7	<25.0	<25.0	<75.0	
SGP-1	2-4	5/14/2014	0	--	<19	--	<21	<24	<29	--	--	--	<114	--	--	<38	<23	--	--	6,000	--	--	<21	
	6-8	5/14/2014	6	--	<19	--	<21	103	<29	--	--	--	<114	--	--	85	<23	--	--	4,700	--	--	<21	
P-2	3	10/18/2010	4	<25.0	<25.0	<25.0	<25.0	419	<25.0	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	--	<25.0	<25.0	462	<25.0	<25.0	<75.0	
	8	10/18/2010	73	<25.0	81.7	<25.0	35.0	1,140	128	<25.0	<25.0	<25.0	--	<25.0	<25.0	99.2	--	<25.0	<25.0	3,400	<25.0	<25.0	80.4	
	12	10/18/2010	14	<25.0	229	39.1	65.4	1,640	212	<25.0	<25.0	<25.0	--	<25.0	<25.0	59.4	--	<25.0	<25.0	3,530	<25.0	<25.0	211	
SGP-2	8-10	5/14/2014	0	--	<19	--	<21	<24	<29	--	--	--	<114	--	--	<38	<23	--	--	320	--	--	<21	
P-3	3	10/18/2010	12	<25.0	<25.0	<25.0	<25.0	126	<25.0	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0	199	
	9	10/18/2010	90	<125	<125	<125	<125	6,240	861	<125	<125	<125	--	<125	<125	<125	--	<125	<125	25,500	<125	<125	357	
	11	10/18/2010	36	<25.0	96.3	41.3	<25.0	3,240	313	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	--	<25.0	<25.0	166	<25.0	<25.0	369	
SGP-3	6-8	5/14/2014	10	--	<19	--	<21	820	66	--	--	--	<114	--	--	129	<23	--	--	10,200	--	--	<21	
P-4	4	10/18/2010	10	<62.5	<62.5	<62.5	<62.5	925	<62.5	<62.5	<62.5	<62.5	--	<62.5	<62.5	<62.5	--	<62.5	<62.5	4,850	<62.5	<62.5	<187.5	
	9	10/18/2010	24	<250	<250	<250	<250	10,500	1,710	<250	<250	<250	--	<250	<250	<250	--	<250	<250	46,000	<250	<250	<750	
	12	10/18/2010	9	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	--	<25.0	<25.0	65.5	<25.0	<25.0	314	
SGP-4	1-3	5/14/2014	0	--	<19	--	<21	<24	<29	--	--	--	<114	--	--	<38	<23	--	--	<28.0	--	--	<21	
P-5	3	10/18/2010	3	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	--	<25.0	<25.0	4,510	<25.0	<25.0	<75.0	
	6	10/18/2010	10	<25.0	<25.0	<25.0	<25.0	68.2	<25.0	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	--	<25.0	<25.0	2,290	<25.0	<25.0	<75.0	
	11	10/18/2010	9	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0	<75.0	
SGP-5	1-3	5/14/2014	<1	--	<19	--	<21	<24	<29	--	--	--	<114	--	--	<38	<23	--	--	340	--	--	<21	
	4-5	5/14/2014	17	--	<19	--	<21	42	<29	--	--	--	<114	--	--	<38	<23	--	--	128,000	--	--	<21	
	5-7	5/14/2014	139	--	34	--	30.6	480	<29	--	--	--	<114	--	--	271	<23	--	--	87,700	--	--	<21	
	8-10	5/14/2014	26	--	48	--	27.6	630	<29	--	--	--	<114	--	--	370	<23	--	--	110,000	--	--	<21	
P-6	10	10/19/2010	33	<200	<200	<200	<200	804	<200	<200	<200	<200	--	<200	<200	<200	--	<200	<200	53,500	<200	<200	<600	
SGP-6	2-4	12/11/2014	<1	--	<19	--	<21	<24	<29	--	--	--	<110	--	--	<38	<23	--	--	400	--	--	<21	
	5-7	12/11/2014	29	--	<19	--	<21	199	<29	--	--	--	<110	--	--	<38	<23	--	--	9,900	--	--	<21	
	8-10	12/11/2014	43	--	<19	--	<21	680	<29	--	--	--	<110	--	--	<38	<23	--	--	71,000	--	--	<21	

Table 2
Groundwater Analytical Test Results Summary for Detected VOCs

Clare Central
1003 and 1033 West Atkinson Avenue
Milwaukee, Wisconsin
Terracon Project No. 58107058A

Sample ID	Sample Date	Detected VOCs (ug/L)														
		Benzene	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1,1-Trichloroethane	Ethylbenzene	Toluene	1,1,2-Trichloroethane	Methylene Chloride	Trichloroethene	Vinyl Chloride	Xylene
TCN-GP-2	7/26/2006	37	0.82	5.9	2.12	7.8	1,900	79	<0.42	37	79	2.82	<0.61	8,100	19.2	24.1
TCN-GP-6	7/26/2006	<0.17	<0.61	<0.22	<0.72	<0.3	<0.5	<0.65	<0.42	<0.2	<0.59	<0.36	<0.61	<0.39	<0.11	<1.28
P-3	11/10/2010	<2.0	<6.5	5.1	2.3	<2.8	239	30	<4.5	<2.7	<3.4	<2.1	<2.2	102	89.0	<13.2
P-5	11/10/2010	<0.41	<1.3	<0.75	<0.36	<0.57	1.0	<0.89	<0.90	<0.54	<0.67	<0.42	<0.43	5.2	1.6	<2.63
P-7	11/10/2010	<0.41	<1.3	<0.75	<0.36	<0.57	<0.83	<0.89	<0.90	<0.54	<0.67	<0.42	0.58	<0.48	1.1	<2.63
P-9	11/10/2010	<0.41	<1.3	3.1	3.0	1.3	12.3	<0.89	2.8	<0.54	<0.67	<0.42	0.65	113	<0.18	<2.63
P-12	11/10/2010	<0.41	<1.3	<0.75	<0.36	<0.57	<0.83	<0.89	<0.90	<0.54	<0.67	<0.42	<0.43	<0.48	<0.18	<2.63
P-17	11/10/2010	<0.41	<1.3	<0.75	<0.36	<0.57	<0.83	<0.89	<0.90	<0.54	<0.67	<0.42	0.43	<0.48	<0.18	<2.63
P-18	11/10/2010	<8.2	<26.0	<15.0	<7.2	<11.4	1,830	325	<18.0	<10.8	<13.4	<8.4	<8.6	1,500	262	<52.6
P-24	11/10/2010	<82.0	<260	<150	<72.0	253	17,900	1,380	<180	<108	<134	<84.0	<86.0	6,790	2,310	<526
P-27	11/10/2010	<1.0	<3.2	<1.9	<0.90	<1.4	138	11.3	7.3	<1.4	<1.7	<1.0	<1.1	74.4	<0.45	<6.6
P-28	6/23/2016	<0.50	<2.5	<0.24	<0.17	<0.41	<0.26	<0.26	<0.50	<0.50	<0.50	<0.50	<0.23	0.35	<0.18	<1.50
STW-1	5/14/2015	0.54	<0.43	2.82	<0.54	1.27	320	36	19	<0.71	<0.44	<0.48	<1.3	740	1.8	<0.9
STW-2	5/14/2015	<0.44	<0.43	<1.1	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	<0.47	<0.17	<0.9
STW-3	1/9/2015	<0.44	<0.43	<1.1	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	<0.47	<0.17	<0.9
STW-4	1/9/2015	<0.44	<0.43	<1.1	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	<0.47	<0.17	<0.9
East Sump	3/30/2011	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<1.0	0.98	<0.20	<0.50
	2/12/2015	<0.44	<0.43	<1.1	0.81	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	2.12	<0.17	<3.1
NR 140, WAC, PAL ¹		0.5	0.6	85	0.5	0.7	7	20	40	140	200	0.5	0.5	0.5	0.02	1,000
NR 140, WAC, ES ²		5	6	850	5	7	70	100	200	700	1,000	5	5	5	0.2	10,000

Table 3
Groundwater Analytical Test Results Summary for Detected VOCs

Clare Central
1003 and 1033 West Atkinson Avenue
Milwaukee, Wisconsin
Terracon Project No. 58107058A

Sample ID	Sample Date	Detected VOCs (ug/L)														
		Benzene	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1,1-Trichloroethane	Ethylbenzene	Toluene	1,1,2-Trichloroethane	Methylene Chloride	Trichloroethene	Vinyl Chloride	Xylene
MW-1	3/30/2011	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<1.0	<0.20	<0.20	<0.50
	2/12/2015	<0.44	<0.43	<0.65	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	<0.47	<0.17	<3.1
MW-2	3/30/2011	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<1.0	<0.20	38	<0.50
	2/12/2015	<0.44	<0.43	<1.1	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	<0.47	23.7	<3.1
MW-3	3/30/2011	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<1.0	<0.20	<0.20	<0.50
DUP 1	3/30/2011	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<1.0	<0.20	<0.20	<0.50
	2/12/2015	<0.44	<0.43	<1.1	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	<0.47	<0.17	<3.1
MW-4	3/30/2011	35	<32	<80	<80	<80	1,700	<32	<80	<80	130	<40	<160	16,000	<32	80
	2/12/2015	<220	<215	<550	<270	<325	5,600	<270	<420	<355	<220	<240	<650	31,000	140	<1,550
DUP 1	2/12/2015	<220	<215	<550	<270	<325	5,700	275	<420	<355	<220	<240	<650	31,200	130	<1,550
NR 140, WAC, PAL ¹		0.5	0.6	85	0.5	0.7	7	20	40	140	200	0.5	0.5	0.5	0.02	1,000
NR 140, WAC, ES ²		5	6	850	5	7	70	100	200	700	1,000	5	5	5	0.2	10,000

Table 3
Groundwater Analytical Test Results Summary for Detected VOCs

Clare Central
1003 and 1033 West Atkinson Avenue
Milwaukee, Wisconsin
Terracon Project No. 58107058A

Sample ID	Sample Date	Detected VOCs (ug/L)														
		Benzene	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1,1-Trichloroethane	Ethylbenzene	Toluene	1,1,2-Trichloroethane	Methylene Chloride	Trichloroethene	Vinyl Chloride	Xylene
MW-5	3/30/2011	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<1.0	<0.20	<0.20	<0.50
	2/12/2015	<0.44	<0.43	<1.1	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	<0.47	<0.17	<3.1
*MW-6	6/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/2015	<0.44	<0.43	<1.1	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	<0.47	<0.17	<3.1
MW-7	6/24/2011	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<1.0	<0.20	<0.20	<0.50
	2/12/2015	<0.44	<0.43	<1.1	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	<0.47	<0.17	<3.1
MW-8	2/11/2015	<0.44	<0.43	<1.1	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	<0.47	<0.17	<3.1
MW-9	2/11/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/14/2015	<0.44	<0.43	<1.1	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	0.49	<0.17	<3.1
MW-10	2/11/2015	<0.44	<0.43	<1.1	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	<0.47	<0.17	<3.1
	8/11/2016	<0.50	<2.5	<0.24	<0.17	<0.41	0.37	<0.26	<0.50	<0.50	<0.50	<0.20	<0.23	2.6	<0.18	<1.50
MW-11	8/11/2016	<0.50	<2.5	<0.24	<0.17	<0.41	<0.26	<0.26	<0.50	<0.50	<0.50	<0.20	<0.23	<0.33	<0.18	<1.50
PZ-1	5/14/2015	<0.44	<0.43	<1.1	<0.54	<0.65	<0.45	<0.54	<0.84	<0.71	<0.44	<0.48	<1.3	0.49	<0.17	<3.1
NR 140, WAC, PAL ¹		0.5	0.6	85	0.5	0.7	7	20	40	140	200	0.5	0.5	0.5	0.02	1,000
NR 140, WAC, ES ²		5	6	850	5	7	70	100	200	700	1,000	5	5	5	0.2	10,000

Notes:

"<" Indicates not detected above listed analytical method detection limit (MDL)

Blue, Italic values indicate listed concentration above its respective NR 140, WAC, PAL

Bold, underlined, red values indicates listed concentration above its respective NR 140, WAC, ES

¹NR 140, Wisconsin Administrative Code, Preventive Action Limit (PAL)

²NR 140, Wisconsin Administrative Code, Enforcement Standard (ES)

ug/L = Micrograms per Liter

-- = Not analyzed

* = Monitoring well dry