

Moeller, Jason W - DNR

From: Moeller, Jason W - DNR
Sent: Thursday, December 23, 2010 9:38 AM
To: 'Hodgson, Scott A.'
Subject: RE: Dry Cleaners Etc-BRRTS #02-69-552218 Status

Hi Scott, thanks for the update.

I agree, we need to proceed with Stage II. Therefore, you have DNR approval to proceed with Stage II as proposed.

Vapor sampling can't be conducted if we don't have access. Therefore, document that you were denied access in your SI report and we will revisit the issue in the future.

Thanks,

Jason W. Moeller

NER Spills Coordinator

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To report a spill, call the 24hr Spills Hotline 1-800-943-0003

From: Hodgson, Scott A. [mailto:sahodgson@terracon.com]
Sent: Tuesday, December 21, 2010 02:51 PM
To: Moeller, Jason W - DNR
Cc: Paul/Robin Zuege; Schroyer, Blaine R.
Subject: Dry Cleaners Etc-BRRTS #02-69-552218 Status

Jason,

This email provides a site status update and requests approval of proposed monitoring well locations. Terracon has completed the push-probe soil and groundwater investigation at the Dry Cleaners Etc. site in New London (Stage I) and is proposing to construct monitoring wells (Stage II) in accordance with our proposal/work plan dated November 19, 2008, which you approved on July 2, 2009. Soil and temporary well groundwater results tables are attached for your review. Maps showing the distribution of the soil contamination and groundwater contamination are also attached. Terracon surveyed several of the temporary wells, obtained water levels, and developed groundwater contours, which are also shown on the groundwater map. Interestingly, groundwater flows to the southeast at this site away from the Wolf River. The results indicate minimal soil contamination. Groundwater chlorinated VOC contamination above the ES for PCE and TCE is more widespread but concentrations are also not that high. The highest PCE concentration detected in the groundwater was 101 ug/L in P10.

Based on the data to date, proposed monitoring well locations are provided on the groundwater map for your review and approval. In accordance with our original proposal/work plan, we are proposing construction of four water table observation wells. Depth to groundwater is approximately 28 feet below

ground surface. Soil primarily consists of fine to silty sand.

Terracon originally proposed to install sub-slab vapor points within the drycleaner building on-site and at the residence next door to the east. The sub-slab point was completed within the building onsite; however, access could not be gained to the residential property next door. The property is going through foreclosure and is now controlled by Fannie Mae, who will not grant access. Therefore, access cannot be gained until the property is sold to a private party who could then grant access permission (if they are willing). It is unknown when the property will be sold. As such, what do you want to do about vapor sampling at the residence if at all?

Thanks.

Scott A. Hodgson, P.G.
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(reviewed by Blaine R. Schroyer)

Terracon provides geotechnical, environmental, construction materials, and facilities consulting engineering services delivered with reliability, responsiveness, convenience, and innovation.

Private and confidential as detailed here (<http://www.terracon.com/default.aspx?tabid=501>). If you cannot access hyperlink, please e-mail sender.

TABLE 3
GROUNDWATER ANALYTIC SUMMARY
 Dry Cleaners Etc. - New London, Wisconsin
 Terracon Project No. 58107028

Sample ID	Sample Date	Chlorinated Volatile Organic Compounds (µg/L)					PVOC (µg/L)
		Chloromethane	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Toluene
P-2	8/31/2010	<0.24	<0.83	<u>4.3</u>	<u>0.85</u>	<0.18	<0.67
P-4	8/31/2010	<0.24	<0.83	<0.45	<0.48	<0.18	<0.67
P-5	9/1/2010	<0.24	<0.83	29.5	<u>4.0</u>	<0.18	0.71
P-8	9/1/2010	<u>1.7</u>	<0.83	<u>3.5</u>	<0.48	<0.18	<0.67
P-10	9/2/2010	<0.24	<0.83	101	13.8	<0.18	<0.67
P-11	9/2/2010	<0.24	<0.83	61	11.0	<0.18	<0.67
	NR 140, WAC, PAL ¹	<u>0.3</u>	Z	<u>0.5</u>	<u>0.5</u>	<u>0.02</u>	<u>200</u>
	NR 140, WAC, ES ²	3	70	5	5	0.2	1,000

Notes:

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

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

"ug/L" indicates micrograms per liter

"mg/L" indicates milligrams per liter

"-" indicates analyte not tested

PVOC - petroleum volatile organic compounds

**TABLE 1
SOIL ANALYTIC TEST RESULTS**

Dry Cleaners Etc. - New London, Wisconsin
Terracon Project No. 58107028

Sample Location	Depth (feet)	Sample Date	Chlorinated Volatile Organic Compounds (µg/kg)			
			cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
P-1	2	9/2/2010	<25.0	<25.0	<25.0	<25.0
P-1	4	9/2/2010	<25.0	<25.0	<25.0	<25.0
P-1	14	9/2/2010	<25.0	<25.0	<25.0	<25.0
P-2	3	8/31/2010	<25.0	<25.0	<25.0	<25.0
P-2	16	8/31/2010	<25.0	39.6	<25.0	<25.0
P-2	26	8/31/2010	<25.0	<25.0	<25.0	<25.0
P-4	4	8/31/2010	<25.0	<25.0	<25.0	<25.0
P-4	14	8/31/2010	<25.0	<25.0	<25.0	<25.0
P-4	28	8/31/2010	<25.0	<25.0	<25.0	<25.0
P-5	3	9/1/2010	<25.0	<25.0	<25.0	<25.0
P-5	18	9/1/2010	<25.0	<25.0	<25.0	<25.0
P-5	28	9/1/2010	<25.0	<25.0	<25.0	<25.0
P-6	4	9/1/2010	<25.0	<25.0	<25.0	<25.0
P-6	20	9/1/2010	<25.0	<25.0	<25.0	<25.0
P-8	4	9/1/2010	<25.0	<25.0	<25.0	<25.0
P-8	20	9/1/2010	<25.0	<25.0	<25.0	<25.0
P-8	25.5	9/1/2010	<25.0	<25.0	<25.0	<25.0
P-7	1.5	9/1/2010	<25.0	<25.0	<25.0	<25.0
P-7	14	9/1/2010	<25.0	<25.0	<25.0	<25.0
P-7	20	9/1/2010	<25.0	<25.0	<25.0	<25.0
P-10	16	9/2/2010	<25.0	<25.0	<25.0	<25.0
P-10	24	9/2/2010	<25.0	36.2	<25.0	<25.0
P-11	4	9/2/2010	<25.0	<25.0	<25.0	<25.0
P-11	25	9/2/2010	<25.0	<25.0	<25.0	<25.0
Groundwater Pathway RCL ¹			27	4.1	3.7	1.3
Direct Contact Non-Industrial RCL ²			156,000	1,230	160	42.6

NOTES:

¹ NR 720.19, USEPA Soil Screening Guidance for Chemicals website utilizing default parameters per WDNR publication RR-682

² USEPA Soil Screening Guidance for Chemicals parameters per WDNR publication RR-682

Bold values indicate compound was detected above the NR 720.19, Groundwater Pathway Soil Screening Residual Contaminant Level (SSRCL) for Protection of Groundwater

Concentrations are listed in micrograms per kilogram, unless otherwise noted

"<" Indicates compound was not detected above the listed limit of detection

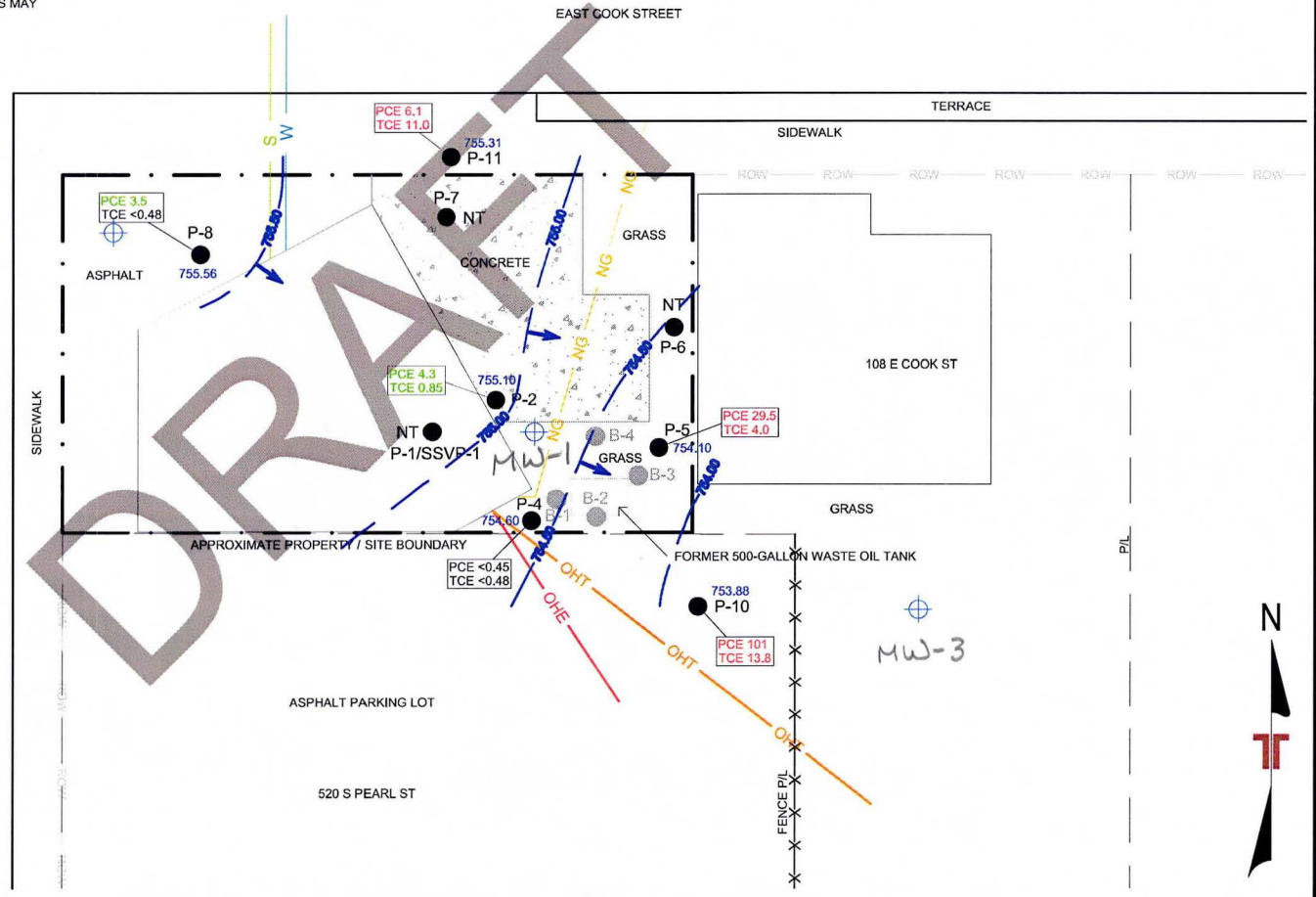
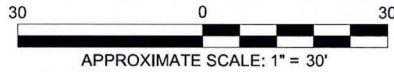
LEGEND

- PUSH-PROBE BORING
- PREVIOUS BORING
- 755.56 GROUNDWATER ELEVATION
- GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- ⊕ PROPOSED MONITORING WELL LOCATION
- OHE OVERHEAD ELECTRIC
- OHT OVERHEAD TELEPHONE
- W WATER
- NG NATURAL GAS
- S SEWER/WATER
- P/L PROPERTY LINE

NOTE: GREEN TYPE - EXCEEDS PREVENTIVE ACTION LIMIT
 RED TYPE - EXCEEDS ENFORCEMENT STANDARD
 PCE - TETRACHLOROETHENE
 TCE - TRICHLOROETHENE
 CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L) UNLESS OTHERWISE NOTED

ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW

NOTE: THE CONTOUR LINES DEPICTED ARE BASED ON INTERPOLATION AND EXTRAPOLATION OF GROUNDWATER ELEVATION MEASUREMENTS FOR THE DATE SHOWN. ACTUAL CONDITIONS MAY VARY.



Project Mngr:	SAH	Project No.	58107028
Drawn By:	AGC	Scale:	AS SHOWN
Checked By:	SAH	File No.	58107028 GW
Approved By:	SAH	Date:	11/3/10

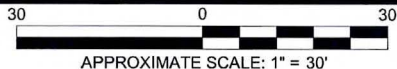
Terracon
 Consulting Engineers and Scientists
 3011B EAST CAPITOL DRIVE APPLETON, WI 54911
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TEMPORARY WELL GROUNDWATER DATA MAP (9/2/2010)
 DRYCLEANERS, ETC.
 102 EAST COOK STREET
 NEW LONDON WISCONSIN

FIG. No.
 3

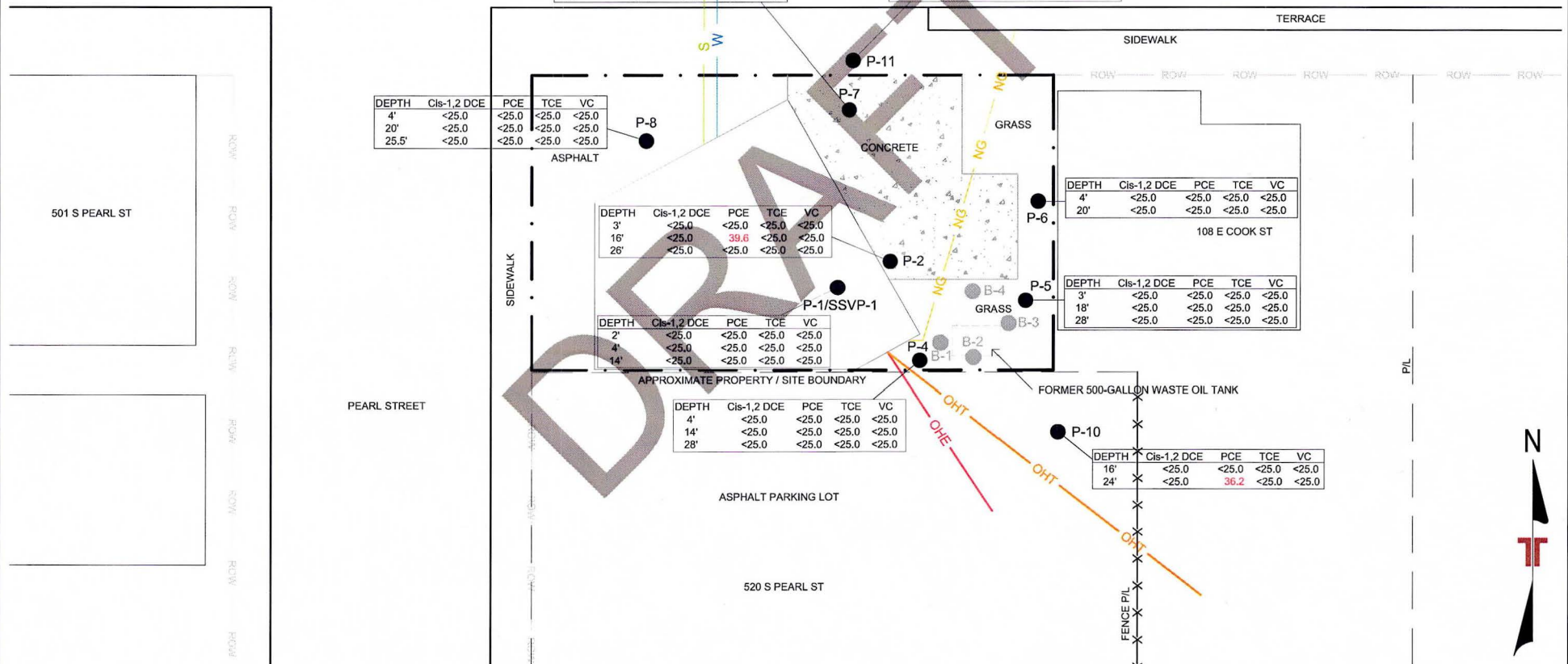
LEGEND

- PUSH-PROBE BORING
- PREVIOUS BORING
- OHE — OVERHEAD ELECTRIC
- OHT — OVERHEAD TELEPHONE
- W — WATER
- NG — NATURAL GAS
- S — SEWER
- P/L — PROPERTY LINE
- PCE — TETRACHLOROETHENE
- TCE — TRICHLOROETHENE



NOTE: Cis - 1,2 DCE - Cis 1,2 DICHLOROETHENE
 PCE - TETRACHLOROETHENE
 TCE - TRICHLOROETHENE
 VC - VINYL CHLORIDE
 RED TYPE - > GROUNDWATER PATHWAY RCL'S
 CONCENTRATIONS IN MICROGRAMS PER KILOGRAM (ug/kg)

ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW



Project Mgr:	SAH	Project No.	58107028
Drawn By:	AGC	Scale:	AS SHOWN
Checked By:	SAH	File No.	58107028 SM
Approved By:	SAH	Date:	12/17/10

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BORING LOCATION AND SOIL ANALYTICAL MAP (9/2/2010)
DRYCLEANERS, ETC.
 102 EAST COOK STREET
 NEW LONDON WISCONSIN

FIG. No.	2
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