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July 19, 2016

Mr. John Robinson Wisconsin Department of Natural Resources 5301 Rib Mountain Dr. Wausau, WI 54401

Subject: Addendum #1 - Excavation Management Plan, Belknap Street (USH 2),

Superior, Douglas County, Wisconsin WisDOT Project ID #8680-00-01(71)

Dear Mr. Robinson:

This letter provides Addendum #1 for the Excavation Management Plan and Special Provisions for the management of contaminated soil and groundwater for Belknap Street (USH 2) located in Superior, Douglas County, Wisconsin (WisDOT ID # 8680-00-01(71)). This addendum has been prepared to incorporate the results of the recent subsurface soil investigation for the proposed water main construction. Revised tables, figures, and special provisions have been included.

On July 6-7, 2016, TRC on behalf of Superior Water Light and Power (SWLP), completed a subsurface soil investigation along the proposed water main to be constructed as part of the USH 2 Belknap Street project in 2017-2018. The primary goal of the investigation was to assist SWLP to select the type of materials for the proposed water main. Completed soil boring logs and borehole abandonment forms from the July 2016 investigation are attached.

The results of this and previous investigations along the Belknap Street construction corridor indicate that contaminated soil and/or groundwater exists within the limits of the above referenced corridor at:

- Site 3 on Belknap Street at Station 143+40 to 144+60 from 30 feet right of the reference line to the project limits on the right (petroleum)
- **Site 4** on Belknap Street at Station 144+55 to 145+30 from 30 feet left of the reference line to the project limits on the left, and on Ogden Avenue at Station 100+30 to 101+75 from the reference line to the project limits on the left (low-level petroleum)

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- Site 5 on Belknap Street at Station 145+40 to 146+75 from 30 feet right of the reference line to the project limits on the right, and on Ogden Avenue at Station 99+25 to 99+75 from approximately 15 feet right of reference line to the project limits to the right (petroleum)
- **Site 6 and 7** on Belknap Street at Station 147+40 to 148+25 from the reference line to the project limits on the left, and from 148+25 to 150+75 within the project limits, and on John Avenue at Station 299+75 to 301+25 within in the project limits (petroleum)
- **Site 8** on John Avenue at Station 298+50 to 299+75 with in the project limits (low-level petroleum)
- **Site 10** on Hughitt Avenue at Station 308+25 to 309+50 from the reference line to the project limits on the right (petroleum)
- **Sites 11 and 12** on Belknap Street at Station 154+25 to 156+40 from the reference line to the project limits to the right, and on Hammond Avenue at Station 329+30 to 330+00 from approximately 5 feet left of the reference line to the project limits left (petroleum)
- Site 17 on Belknap Street at Station 160+40 to 161+00 from approximately 20 feet left of the reference line to the project limits on the left, and on Cumming Avenue at Station 340+75 to 341+75 from the project limits on the left to the project limits on the right (petroleum)
- Site 19 on Belknap Street at Station 165+50 to 167+45 from approximately 20 feet left of the reference line to the project limits on the right (petroleum)
- Site 20 on Belknap Street at Station 168+15 to 169+40 from 30 feet right of the reference line to the project limits on the right (petroleum)
- Site 22 on Belknap Street at Station 173+00 to 174+00 from approximately 15 feet right of the reference line to the project limits on the right (petroleum), and on Clough Avenue at Station 388+15 to 389+75 from approximately 15 feet right of the reference line to the project limits to the left (chlorinated)
- Site 26 on Belknap Street at Station 179+25 to 180+25 from approximately 10 feet left of the reference line to the project limits on the left (petroleum)
- Site 27 on Belknap Street at Station 180+00 to 180+75 from the reference line to the project limits on the right (low-level petroleum)



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- Site 28 on Belknap Street at Station 181+10 to 182+90 from the project limits on the left to the project limits on the right, and on Catlin Avenue at Station 408+50 to 410+75 from the project limits on the left to the project limits on the right (petroleum)
- Site 33 on Belknap Street at Station 192+10 to 192+70 from 30 feet left of the reference line to the project limits on the left (lead)
- Site 36 on Belknap Street at Station 207+75 to 208+20 from approximately 15 feet right of the reference line to the project limits on the left, and on Hill Avenue at Station 499+75 to 500+75 from the reference line to the project limits on the left (petroleum)

Revised special provisions for the management of contaminated soil and groundwater during construction are attached to this report, including red-line edits to the previous special provisions.

As described in the Excavation Management Plan, some of the soil excavated from these areas may have significant petroleum related contamination and will require bioremediation and disposal at a WDNR-licensed treatment and disposal facility. The contamination will be determined based on laboratory results from previous investigations and field-screening; and all soil with elevated laboratory results, significant staining, or where applicable, elevated PID readings (for example, PID readings greater than 10 ppm) will be considered significantly contaminated and managed as contaminated soil for off-site disposal. Soil exhibiting low-level contamination (no odors, staining, or PID readings no greater than 10 ppm) in these areas will considered suitable for reuse as backfill in the excavation from which it came. Excess low-level contaminated soil that cannot be reused as backfill in these areas, and low-level contaminated soil that is geotechnically unsuitable for reuse as backfill (to be determined by the WisDOT project engineer), will require disposal at a WDNR-licensed treatment and disposal facility. TRC estimates approximately 20,000 tons of petroleum-contaminated soil will require off-site disposal, at a unit cost of approximately \$50 per ton. This quantity is based on the assumption that none of the soils containing low-level contamination can be reused as backfill. The WisDOT project engineer will determine if project timing and adequate staging exists, and excavated material is suitable geotechnically for reuse as backfill.

To address the management of potential contaminated soil waste such as treated lumber from old foundations, a pay item for solid waste management has been included in the special provisions. TRC estimates approximately 50 tons of solid waste will require off-site disposal, at a unit cost of approximately \$50 per ton. The City of Superior will be the generator of the contaminated material.



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From an environmental standpoint, low-level contaminated soil encountered during excavations should, with WDNR concurrence, be reusable as backfill in the trenches and under the roadway surface. If reuse of lower-level contaminated soil is possible, it will reduce disposal quantities and associated costs.

Because the project PS&E is August 1, 2016, we request any edits or comments be provided by July 22, 2016 so they can be incorporated into the final special provisions.

If you have any questions or comments, please feel free to contact Ted O'Connell, at 608-826-3648. or Daniel Haak at 608-826-3628.

Sincerely,

TRC Environmental Corporation

Ted O'Connell

Environmental Scientist

Daniel Haak, P.E.

Hanul Hank

Project Manager

Attachments: Table 1 – Summary of Analytical Results

Figure 1 – Site Layout and Areas of VOC/PVOC Contamination

Attachment 1 – Special Provisions

Attachment 2 – Soil Boring Logs and Borehole Abandonment Forms

cc: Stephanie King – WDNR (hard copy and pdf on CD)

Amy Adrihan – WisDOT (hard copy and pdf on CD)

Jill Peterman – WisDOT (hard copy and pdf on CD)

Shar TeBeest – WisDOT (hard copy and pdf on CD)

James Morse - TRC



July 2012, December 2014, August 2015, and July 2016

			NR 720 RC	Ls FOR SOIL		B2A	B2B	B3A	B3B	B3C	B4A	B4B	B4C	B5A	B5A	B5B	B5C	B5D	B5E	B5F	B5G	B6A	B6B	B6C
ANALYTE			NON-INDUSTRIAL	INDUSTRIAL	BACKGROUND	10.0-13.0	7.5-10.0	7.5-10.0	7.5-10.0	0-2.5	7.5-10.0	5.0-7.5	5.0-7.5	0.0-2.5	5.0-7.5	2.0-5.0	10.0-13.0	8.0-10.0	8.0-10.0	8.0-10.0	8.0-10.0	7.5-10.0	10.0-13.0	8.0-10.0
		GW	DIRECT	DIRECT	SURFICIAL																			
DATE	UNITS	PATH ⁽¹⁾	CONTACT ⁽²⁾	CONTACT ⁽²⁾	BTV	Jul-12	Jul-12	Jul-12	Jul-12	Aug-15	Jul-12	Jul-12	Aug-15	Jul-12	Jul-12	Jul-12	Jul-12	Jul-16	Jul-16	Jul-16	Jul-16	Jul-12	Jul-12	Jul-16
PID	ppm					2.5	2.2	3.7	4.3	1,281	3.6	191.7	13.4	500.1	1,440	1.8	399.7	<1.0	1.4	1	<1.0	707.6	903.5	<1.0
GRO	mg/kg					<3.6	<3.6	<3.3	<3.4	1,090	<3.2	34.9		203	134	<3.3	269					279	324	
DRO	mg/kg					<1.1	<1.1	< 0.97	<1.0	304	<1.1	3.1 T4	2.8	96.8 T4	10.9 T4	1.6J	6.0 T4					1.4J T4	16 T4	
VOCs/PVOCs ⁽³⁾																								
1,2,4-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	89,800	219,000		<25.0	<25.0	<25.0	<25.0	120,000	<25.0	113	<25.0	1,350	3,970	<25.0	4,010	<25.0	<25.0	<25.0	<25.0	13,200	13,100	<25.0
1,3,5-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	182,000	182,000		<25.0	<25.0	<25.0	<25.0	31,300	<25.0	172	<25.0	1,680	1,410	<25.0	2,130	<25.0	<25.0	<25.0	<25.0	4,510	5,130	<25.0
Benzene	μg/kg	5.1	1,490	7,410		<25.0	<25.0	<25.0	<25.0	2,410	<25.0	<25.0	395	77.8J	4,930	<25.0	721	<25.0	<25.0	<25.0	<25.0	6,630	1,920	<25.0
cis-1,2-Dichloroethene	μg/kg	41.2	156,000	2,040,000							-		<25.0											
Ethylbenzene	μg/kg	1,570	7,470	37,000		<25.0	<25.0	<25.0	<25.0	13,400	<25.0	113	179	472	2,060	<25.0	1,350	<25.0	<25.0	<25.0	<25.0	8,110	8,500	<25.0
Isopropylbenzene (cumene)	μg/kg		268,000	268,000							-		39.9 J											
m&p-Xylene	μg/kg	3,960 ⁽⁴⁾	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		<50.0	<50.0	<50.0	<50.0	64,500	<50.0	91.9J	<50.0	916	6,800	<50.0	4,780	<50.0	<50.0	<50.0	<50.0	20,200	6,110	<50.0
Methylene chloride	μg/kg	2.6	60,700	1,070,000									<25.0											
Methyl-tert-butyl ether (MTBE)	μg/kg	27	59,400	293,000		<25.0	<25.0	<25.0	<25.0	<312	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	194J	298	<25.0
Naphthalene	μg/kg	658.2	5,150	26,000		<25.0	<25.0	<25.0	<25.0	12,500	<25.0	32.7J	<40.0	453	1,600	<25.0	1,340	<25.0	<25.0	<25.0	<25.0	2,370	873	<25.0
n-Butylbenzene	μg/kg		108,000	108,000									<25.0											
n-Propylbenzene	μg/kg		264,000	264,000									34.8 J											
o-Xylene	μg/kg	$3,960^{(4)}$	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		<25.0	<25.0	<25.0	<25.0	1,800	<25.0	<25.0	<25.0	1,010	2,770	<25.0	1,040	<25.0	<25.0	<25.0	<25.0	3,500	403	<25.0
p-Isopropyltoluene	μg/kg		162,000	162,000									45.9 J											
sec-Butylbenzene	μg/kg		145,000	145,000									<25.0											
Tetrachloroethene	μg/kg	4.5	30,700	153,000									<25.0											
Trichloroethene	μg/kg	3.6	1,260	8,810									<25.0											
Toluene	μg/kg	1,107.20	818,000	818,000		<25.0	<25.0	<25.0	<25.0	651 J	<25.0	<25.0	<25.0	190	4,470	<25.0	340	<25.0	<25.0	<25.0	<25.0	2,660	198	<25.0
Total Metals																								
Arsenic	mg/kg	0.584	0.613	2.39	8																			
Barium	mg/kg	164.8	15,300	100,000	364																			
Cadmium	mg/kg	0.752	70	799	1																			
Chromium	mg/kg	360,000																						
Lead	mg/kg	27	400	800	52		8.7	7.6		19.9		8.4	11.2	13.7	8.4		7.6					8.1	9	
Mercury	mg/kg	0.208	3.13	3.13																				
Selenium	mg/kg	0.52	391	5,110																				
Silver	mg/kg	0.85	391	5.110																				

- 1. PID = Photoionization Detector
- 2. J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- 3. '--- = Not analyzed
- 4. RCLs = Residual Contaminant Levels.
- 5. '-- = Suggested RCL has not been established for this analyte
- 6. 'Bold = indicates that the analyte and/or sample exceeds the NR 720 RCL for direct contact (non-industrial), or standards for hazard index or cancer risk unless value is less than BTV.
- 7. Italics = indicates that the sample exceeds the groundwater pathway RCL.

Footnotes:

- (1) Value is the generic RCL for the groundwater pathway.
- $\,^{(2)}\,$ Value is the generic RCL for exposure by direct contact.
- (3) Soil samples collected were analyzed for either PVOCs or the WI LUST 8260 list for VOCs.
- Only those analytes that were detected are listed. Non-detect results are reported on a wet weight basis.
- (4) RCL is for total Xylenes
- (5) RCL is for total Trimethylbenzenes.
- T4: Result reported for hydrocarbons within the method-specific range that do not match pattern of laboratory standard.
- B: Analyte was detected in the associated blank.

Created By: Wesley Braga 8/15/12 Updated By: Ted O'Connell 9/1/15, Z. Boutaghou 7/12/2016 Checked By: Ted O'Connell 8/29/12 Checked By: A. Schroeder 1/13/16 Checked By: A. Schroeder 7/14/16

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July 2012, December 2014, August 2015, and July 2016

	1		NR 720 RC	Ls FOR SOIL		B7A	B7B	B7C	B8A	B8B	B8C	B8D	В9	B10A	B10B	B10C	B10D	B10E	B10F	B10G	B10H	B11	B11A	B11B
ANALYTE			NON-INDUSTRIAL	INDUSTRIAL	BACKGROUND	7.5-10.0	3.0-5.0	8.0-10.0	1.0-3.0	0.0-2.5	10.0-12.0	8.0-10.0	2.5-5.0	3.0-5.0	7.5-10.0	0.0-2.5	2.5-5.0	8.0-10.0	8.0-10.0	8.0-10.0	8.0-10.0	10.0-13.0	8.0-10.0	8.0-10.0
		GW	DIRECT	DIRECT	SURFICIAL																			1
DATE	UNITS	PATH ⁽¹⁾	CONTACT ⁽²⁾	CONTACT ⁽²⁾	BTV	Jul-12	Jul-12	Jul-16	Jul-12	Jul-12	Aug-15	Jul-16	Jul-12	Jul-12	Jul-12	Jul-12	Jul-12	Jul-16	Jul-16	Jul-16	Jul-16	Jul-12	Jul-16	Jul-16
PID	ppm					3.7	2.5	<1.0	3.2	29.9	<1.0	<1.0	3	806.5	677.4	2.4	2.2	<1.0	<1.0	728	920	30.1	73	6.7
GRO	mg/kg					<2.8	<3.3		2.9	6.9	<3.0		<3.3	142	266	<3.1	<3.2					<3.5		
DRO	mg/kg					<1.0	<1.0		21.4	24.0 T4	1.0 J		1.3J	2.2J	2	2.3	6.1 T4					<1.2		
VOCs/PVOCs ⁽³⁾															•		•	•	•					
1,2,4-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	89,800	219,000		<25.0	<25.0	<25.0	182	194	<25.0	<25.0	<25.0	785	1,500	<25.0	<25.0	<25.0	<25.0	2360	6,280	<25.0	<50.0	<25.0
1,3,5-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	182,000	182,000		<25.0	<25.0	<25.0	54.4J	38.7J	<25.0	<25.0	<25.0	909	1,780	<25.0	<25.0	<25.0	<25.0	1680	3,740	<25.0	70.9J	<25.0
Benzene	μg/kg	5.1	1,490	7,410		<25.0	<25.0	<25.0	341	<25.1	<25.0	<25.0	<25.0	<50.0	119J	<25.0	<25.0	<25.0	<25.0	<25.0	306	2,810	14,100	969
cis-1,2-Dichloroethene	μg/kg	41.2	156,000	2,040,000		<25.0	<25.0				<25.0												<50.0	<25.0
Ethylbenzene	μg/kg	1,570	7,470	37,000		<25.0	<25.0	<25.0	143	<25.1	<25.0	<25.0	<25.0	462	1,560	<25.0	<25.0	<25.0	<25.0	1190	2,730	<25.0	110J	<25.0
Isopropylbenzene (cumene)	μg/kg		268,000	268,000		<25.0	<25.0				<25.0												<50.0	<25.0
m&p-Xylene	μg/kg	3,960 ⁽⁴⁾	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		<50.0	<50.0	<50.0	373	<50.1	<50.0	<50.0	<50.0	393	949	<50.0	<50.0	<50.0	<50.0	2820	9,860	<50.0	1,460	67.7J
Methylene chloride	μg/kg	2.6	60,700	1,070,000		<25.0	<25.0																<50.0	<25.0
Methyl-tert-butyl ether (MTBE)	μg/kg	27	59,400	293,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	128J	<25.0	<25.0	<25.0	<25.0	114	288	<25.0	<50.0	<25.0
Naphthalene	μg/kg	658.2	5,150	26,000		<25.0	<25.0	<25.0	72.3	60.5J	<25.0	<25.0	<25.0	167	865	<25.0	<25.0	<25.0	<25.0	740	1,840	<25.0	158J	<40.0
n-Butylbenzene	μg/kg		108,000	108,000		<40.4	<40.4																<50.0	<25.0
n-Propylbenzene	μg/kg		264,000	264,000		<25.0	<25.0																<50.0	<25.0
o-Xylene	μg/kg	3,960 ⁽⁴⁾	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		<25.0	<25.0	<25.0	108	<25.1	<25.0	<25.0	<25.0	<50.0	<50.0	<25.0	<25.0	<25.0	<25.0	399	2,070	<25.0	75.2J	<25.0
p-Isopropyltoluene	μg/kg		162,000	162,000		<25.0	<25.0																<50.0	<25.0
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Tetrachloroethene	μg/kg	4.5	30,700	153,000		<25.0	<25.0																<50.0	<25.0
Trichloroethene	μg/kg	3.6	1,260	8,810		<25.0	<25.0																<50.0	<25.0
Toluene	μg/kg	1,107.20	818,000	818,000		<25.0	<25.0	<25.0	237	<25.1	<25.0	<25.0	<25.0	81.9J	192	<25.0	<25.0	<25.0	<25.0	<25.0	1,450	<25.0	<50.0	<25.0
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Arsenic	mg/kg	0.584	0.613	2.39	8																			
Barium	mg/kg	164.8	15,300	100,000	364																			
Cadmium	mg/kg	0.752	70	799	1																			
Chromium	mg/kg	360,000																						
Lead	mg/kg	27	400	800	52	5.2	8			14.6	6.6		9.7	5.1		7								
Mercury	mg/kg	0.208	3.13	3.13																				
Selenium	mg/kg	0.52	391	5,110																				
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Notes

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- 4. RCLs = Residual Contaminant Levels.
- 5. '-- = Suggested RCL has not been established for this analyte
- 6. 'Bold = indicates that the analyte and/or sample exceeds the NR 720 RCL for direct contact (non-industrial), or standards for hazard index or cancer risk unless value is less than BTV.
- 7. Italics = indicates that the sample exceeds the groundwater pathway RCL.

Footnotes:

- $\stackrel{\mbox{\scriptsize (1)}}{\sim}$ Value is the generic RCL for the groundwater pathway.
- (2) Value is the generic RCL for exposure by direct contact.
- $^{(3)}\,$ Soil samples collected were analyzed for either PVOCs or the WI LUST 8260 list for VOCs.
- Only those analytes that were detected are listed. Non-detect results are reported on a wet weight basis.
- (4) RCL is for total Xylenes
- (5) RCL is for total Trimethylbenzenes.
- T4: Result reported for hydrocarbons within the method-specific range that do not match pattern of laboratory standard.
- B: Analyte was detected in the associated blank.

Created By: Wesley Braga 8/15/12 Updated By: Ted O'Connell 9/1/15, Z. Boutaghou 7/12/2016 Checked By: Ted O'Connell 8/29/12 Checked By: A. Schroeder 1/13/16 Checked By: A. Schroeder 7/14/16

July 2012, December 2014, August 2015, and July 2016

	1		NR 720 RC	Ls FOR SOIL		B12A	B12B	B12C	B12D	B12E	B12F	B15A	B15B	B17A	B17B	B17C	B17D	B17E	B17F	B19A	B19B	B19C	B19D	B19E
ANALYTE			NON-INDUSTRIAL	INDUSTRIAL	BACKGROUND	10.0-13.0	1.0-3.0	8.0-10.0	8.0-10.0	8.0-10.0	8.0-10.0	2.5-5.0	2.5-5.0	2.0-2.5	7.5-10	10.0-13.0	8.0-10.0	8.0-10.0	8.0-10.0	7.5-10.0	1.0-3.0	1.0-3.0	8.0-10.0	8.0-10.0
		GW	DIRECT	DIRECT	SURFICIAL																			
DATE	UNITS	PATH ⁽¹⁾	CONTACT ⁽²⁾	CONTACT ⁽²⁾	BTV	Jul-12	Jul-12	Jul-16	Jul-16	Jul-16	Jul-16	Jul-12	Jul-12	Jul-12	Jul-12	Jul-12	Jul-16	Jul-16	Jul-16	Jul-12	Jul-12	Jul-12	Jul-16	Jul-16
PID	ppm					53.4	3.9	3.4	38.7	<1.0	<1.0	1.5	1.9	7.3	392	432.2	<1.0	156.4	<1.0	57.2	82.1	9.9	<1.0	26.7
GRO	mg/kg											<3.2	<3.2	<3.3	421	107		-		4.3	<3.1	<3.1		
DRO	mg/kg											<1.2	< 0.99	<1.1	3 T4	<1.1				1.7J T4	12.7 T4	1.3J		
VOCs/PVOCs ⁽³⁾																								
1,2,4-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	89,800	219,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	4,390	2,100	<25.0	2,320	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	182,000	182,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	2,970	864	<25.0	1,290	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Benzene	μg/kg	5.1	1,490	7,410		5,740	<25.0	2,990	8,630	<25.0	<25.0	<25.0	<25.0	<25.0	382	592	<25.0	479	<25.0	5,900	121	<25.0	<25.0	5,570
cis-1,2-Dichloroethene	μg/kg	41.2	156,000	2,040,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0									<25.0	<25.0	<25.0		
Ethylbenzene	μg/kg	1,570	7,470	37,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	3,390	1,080	<25.0	1,450	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene (cumene)	μg/kg		268,000	268,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0									<25.0	<25.0	<25.0		
m&p-Xylene	μg/kg	3,960 ⁽⁴⁾	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		<50.0	<50.0	393	871	<50.0	<50.0	<50.0	<50.0	<50.0	2,640	2,370	<50.0	3,980	<25.0	<50.0	<50.0	<50.0	<50.0	<50.0
Methylene chloride	μg/kg	2.6	60,700	1,070,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0									<25.0	<25.0	<25.0		
Methyl-tert-butyl ether (MTBE)	μg/kg	27	59,400	293,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	42.5J	<25.0	89.7	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Naphthalene	μg/kg	658.2	5,150	26,000		<25.0	<25.0	<40.0	<40.0	<40.0	<40.0	<25.0	<25.0	<25.0	1,420	686	<25.0	862	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Butylbenzene	μg/kg		108,000	108,000		<40.4	<40.4	<25.0	<25.0	<25.0	<25.0									<40.4	<40.4	<40.4		
n-Propylbenzene	μg/kg		264,000	264,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				223					<25.0	<25.0	<25.0		
o-Xylene	μg/kg	3,960 ⁽⁴⁾	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		<25.0	<25.0	<25.0	45.0J	<25.0	<25.0	<25.0	<25.0	<25.0	<62.5	279	<25.0	373	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	μg/kg		162,000	162,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0									<25.0	<25.0	<25.0		
sec-Butylbenzene	μg/kg		145,000	145,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0									<25.0	<25.0	<25.0		
Tetrachloroethene	μg/kg	4.5	30,700	153,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0									<25.0	<25.0	<25.0		
Trichloroethene	μg/kg	3.6	1,260	8,810		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0									<25.0	<25.0	<25.0		
Toluene	μg/kg	1,107.20	818,000	818,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	349	460	<25.0	636	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Total Metals																								
Arsenic	mg/kg	0.584	0.613	2.39	8																			
Barium	mg/kg	164.8	15,300	100,000	364																			
Cadmium	mg/kg	0.752	70	799	1																			
Chromium	mg/kg	360,000																						
Lead	mg/kg	27	400	800	52								8.3	8.7	8.1						6.2			
Mercury	mg/kg	0.208	3.13	3.13																				
Selenium	mg/kg	0.52	391	5,110																				
Silver	mg/kg	0.85	391	5,110																				

Notes

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- 3. '--- = Not analyzed
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Updated By: Ted O'Connell 9/1/15, Z. Boutaghou 7/12/2016

Checked By: Ted O'Connell 8/29/12

Checked By: A. Schroeder 1/13/16

July 2012, December 2014, August 2015, and July 2016

			NR 720 RC	Ls FOR SOIL		B19F	B19G	B20A	B20B	B20C	B20D	B20E	B20F	B22A	B22B	B22C	B22D	B22E	B22F	B22G	B22H	B22l	B22J	B22K	B25
ANALYTE			NON-INDUSTRIAL	INDUSTRIAL	BACKGROUND	8.0-10.0	8.0-10.0	3.0-5.0	3.0-5.0	2.5-5.0	7.5-10	2.5-5.0	8.0-10.0	3.0-5.0	3.0-5.0	7.5-10.0	7.5-10	5-7.5	2.5-5.0	8.0-10.0	8.0-10.0	8.0-10.0	8.0-10.0	8.0-10.0	3.0-5.0
		GW	DIRECT	DIRECT	SURFICIAL																				
DATE	UNITS	PATH ⁽¹⁾	CONTACT ⁽²⁾	CONTACT ⁽²⁾	BTV	Jul-16	Jul-16	Jul-12	Jul-12	Jul-12	Aug-15	Aug-15	Jul-16	Jul-12	Jul-12	Jul-12	Aug-15	Aug-15	Aug-15	Jul-16	Jul-16	Jul-16	Jul-16	Jul-16	Jul-12
PID	ppm					20.0	<1.0	5.5	3	4	14.9	1,049	<1.0	576.5	5.5	59.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.4
GRO	mg/kg							<3.2	<3.3	<3.3	<2.9	2,270		621		7.8	<3.4					-			<3.3
DRO	mg/kg							1.5J	1.3J	<1.1	7.7	287		181 T4		5.0 T4	2.9								29.6 T4
VOCs/PVOCs ⁽³⁾																									
1,2,4-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	89,800	219,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	158,000	<25.0	288	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	182,000	182,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	51,200	<25.0	66.1J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Benzene	μg/kg	5.1	1,490	7,410		2,200	36.9J	<25.0	<25.0	<25.0	<25.0	1,970	<25.0	5,370	<25.0	6,140	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	μg/kg	41.2	156,000	2,040,000										<25.0	920	<25.0	<25.0	<25.0	<25.0	<25.0	56.8J	<25.0	<25.0	<25.0	
Ethylbenzene	μg/kg	1,570	7,470	37,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	52,500	<25.0	1,600	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene (cumene)	μg/kg		268,000	268,000										61.2J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	
m&p-Xylene	μg/kg	3,960 ⁽⁴⁾	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	202,000	<50.0	1,200	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Methylene chloride	μg/kg	2.6	60,700	1,070,000										<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	
Methyl-tert-butyl ether (MTBE)	μg/kg	27	59,400	293,000		<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	<25.0	<25.0	<25.0
Naphthalene	μg/kg	658.2	5,150	26,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<40.0	<25.0	102	<25.0	<25.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<25.0
n-Butylbenzene	μg/kg		108,000	108,000										52.7J	<40.4	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	
n-Propylbenzene	μg/kg		264,000	264,000										64.0J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	
o-Xylene	μg/kg	3,960 ⁽⁴⁾	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	42,200	<25.0	810	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	μg/kg		162,000	162,000										82.5	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	
sec-Butylbenzene	μg/kg		145,000	145,000										<25.1	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	
Tetrachloroethene	μg/kg	4.5	30,700	153,000										<25.0	1,880	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	
Trichloroethene	μg/kg	3.6	1,260	8,810										<25.0	621	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	
Toluene	μg/kg	1,107.20	818,000	818,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	260	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Total Metals																									
Arsenic	mg/kg	0.584	0.613	2.39	8									3.9		3.9									
Barium	mg/kg	164.8	15,300	100,000	364									121		218									
Cadmium	mg/kg	0.752	70	799	1									<0.037		< 0.037									
Chromium	mg/kg	360,000												31.9		59.6									
Lead	mg/kg	27	400	800	52			9						14.3		11.4									11.2
Mercury	mg/kg	0.208	3.13	3.13										0.041		0.019									
Selenium	mg/kg	0.52	391	5,110										<0.58		<0.58									
Silver	mg/kg	0.85	391	5,110										0.47J		0.60J									

Notes:

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Checked By: Ted O'Connell 8/29/12

Checked By: A. Schroeder 1/13/16 Checked By: A. Schroeder 7/14/16

July 2012, December 2014, August 2015, and July 2016

			NR 720 RC	Ls FOR SOIL		B26A	B26B	B26C	B26D	B27	B28A	B28A	B28B	B28C	B28D	B28E	B28F	B28G	B28H	B28I	B28J	B28K	B28L	B29A	B29B
ANALYTE			NON-INDUSTRIAL	INDUSTRIAL	BACKGROUND	0.5-2.0	2.5-5.0	2.5-5.0	8.0-10.0	1.0-3.0	5-7.5	10.0-13.0	7.5-10.0	0.0-2.5	10.0-12.5	5.0-7.5	8.0-10.0	8.0-10.0	8.0-10.0	8.0-10.0	8.0-10.0	8.0-10.0	8.0-10.0	10.0-12.5	0-3
		GW	DIRECT	DIRECT	SURFICIAL																				
DATE	UNITS	PATH ⁽¹⁾	CONTACT ⁽²⁾	CONTACT ⁽²⁾	BTV	Jul-12	Jul-12	Aug-15	Jul-16	Jul-12	Jul-12	Jul-12	Jul-12	Jul-12	Aug-15	Aug-15	Jul-16	Jul-12	Jul-12						
PID	ppm					75.6	1.5	5.6	<1.0	5.7	1,343	738.9	1,010	15.9	28	1.5	185.4	456	690	77.8	<1.0	1.1	<1.0	14.5	3.5
GRO	mg/kg							<3.4		<3.0	589	127	124	<3.2	36.0	<3.3								<3.4	<3.0
DRO	mg/kg							<0.89		74.1 T4	29.3 T4	14.8 T4	5.4 T4	1.4J	1.9J	3.7								<1.2	21.1 T4
VOCs/PVOCs ⁽³⁾																									
1,2,4-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	89,800	219,000		4,110	<25.0	<25.0	<25.0	<25.0	21,500	4,180	5,000	<25.0	1,700	<25.0	1,240	3,870	2,570	3,150	<25.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	182,000	182,000		808	<25.0	<25.0	<25.0	<25.0	6,880	1,260	1,500	<25.0	530	<25.0	316	1,130	705	887	<25.0	<25.0	<25.0	<25.0	<25.0
Benzene	μg/kg	5.1	1,490	7,410		871	<25.0	<25.0	<25.0	<25.0	21,900	14,200	11,900	<25.0	1,540	<25.0	6,040	5,650	9,790	4,900	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	μg/kg	41.2	156,000	2,040,000		<25.0	<25.0	<25.0																	
Ethylbenzene	μg/kg	1,570	7,470	37,000		1,210	<25.0	<25.0	<25.0	<25.0	19,300	4,170	3,700	<25.0	954	<25.0	1,510	3,710	2,340	2,530	<25.0	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene (cumene)	μg/kg		268,000	268,000		320	<25.0	<25.0																	
m&p-Xylene	μg/kg	3,960 ⁽⁴⁾	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		3,890	<50.0	<50.0	<50.0	<50.0	42,900	9,470	9,810	<50.0	2,360	<50.0	3,390	7,530	5,580	6,340	<50.0	<50.0	<50.0	<50.0	<50.0
Methylene chloride	μg/kg	2.6	60,700	1,070,000		<25.0	<25.0	<25.0																	
Methyl-tert-butyl ether (MTBE)	μg/kg	27	59,400	293,000		<25.0	<25.0	<25.0		<25.0	413	54.2J	47.6J	<25.0	<25.0	<25.0	<25.0	83.3	45.6J	39.1J				<25.0	<25.0
Naphthalene	μg/kg	658.2	5,150	26,000		532	<25.0	<40.0	<25.0	<25.0	1,750	517	773	<25.0	285	<40.0	159	365	488	430	<25.0	186	<25.0	<25.0	<25.0
n-Butylbenzene	μg/kg		108,000	108,000		453	<40.4	<25.0																	
n-Propylbenzene	μg/kg		264,000	264,000		947	<25.0	<25.0																	
o-Xylene	μg/kg	$3,960^{(4)}$	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		749	<25.0	<25.0	<25.0	<25.0	16,800	3,880	4,160	<25.0	518	<25.0	1,490	1,220	2,110	2,520	<25.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	μg/kg		162,000	162,000		110	<25.0	<25.0																	
sec-Butylbenzene	μg/kg		145,000	145,000		183	<25.0	<25.0																	
Tetrachloroethene	μg/kg	4.5	30,700	153,000		<25.0	<25.0	<25.0																	
Trichloroethene	μg/kg	3.6	1,260	8,810		<25.0	<25.0	<25.0																	
Toluene	μg/kg	1,107.20	818,000	818,000		1,430	<25.0	<25.0	<25.0	<25.0	54,400	19,400	13,500	<25.0	<25.0	<25.0	8260	1100	6230	4720	<25.0	<25.0	<25.0	<25.0	<25.0
Total Metals																									
Arsenic	mg/kg	0.584	0.613	2.39	8																				
Barium	mg/kg	164.8	15,300	100,000	364								-												
Cadmium	mg/kg	0.752	70	799	1																				
Chromium	mg/kg	360,000																							
Lead	mg/kg	27	400	800	52	53.8	10.3	13.1		31.3	9.5		9		8.6	9.1									13
Mercury	mg/kg	0.208	3.13	3.13																					
Selenium	mg/kg	0.52	391	5,110																					
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Checked By: Ted O'Connell 8/29/12 Checked By: A. Schroeder 1/13/16

July 2012, December 2014, August 2015, and July 2016

	1		NR 720 RC	Ls FOR SOIL		B30	B31A	B31B	B31C	B32	B33A	B33B	B33C	B33D	B34	B35A	B35B	B36A	B36B	B36C	B36D	B36E	B36F	B36G
ANALYTE			NON-INDUSTRIAL	INDUSTRIAL	BACKGROUND	3.0-5.0	0.0-2.5	2.5-5.0	7.5-10.0	7.5-10.0	5.0-10.0	5.0-7.0	6.0-8.0	2.5-5.0	2.5-5.0	10.0-11.0	5.0-10.0	5.0-10.0	0.0-5.0	2.5-5	0-2.5	5-7.5	5-7.5	7.5-10
		GW	DIRECT	DIRECT	SURFICIAL																			1
DATE	UNITS	PATH ⁽¹⁾	CONTACT ⁽²⁾	CONTACT ⁽²⁾	BTV	Jul-12	Jul-12	Jul-12	Aug-15	Jul-12	Jul-12	Jul-12	Jul-12	Aug-15	Jul-12	Jul-12	Jul-12	Jul-12	Jul-12	Dec 2014				
PID	ppm					3.1	3.4	4	<1.0	17.2	3.1	1.2	6.4	5.5	2.6	6.2	5.5	4.3	4.8	<1.0	1.7	<1.0	567.7	1300
GRO	mg/kg					<3.6	<3.8	<3.3	<3.5	<3.5	<3.4	<3.5	<3.3	<3.9	<3.5	<3.5	<3.5	<3.5	<3.5					
DRO	mg/kg						29.2 T4	1.4	<0.84		1.3J	1.4J	<1.1	17.7		9.5 T4	1.3J							
VOCs/PVOCs ⁽³⁾																								
1,2,4-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	89,800	219,000		<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	21,000	6,810
1,3,5-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	182,000	182,000		<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	7,060	3,130
Benzene	μg/kg	5.1	1,490	7,410		<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	<125	1,040
cis-1,2-Dichloroethene	μg/kg	41.2	156,000	2,040,000						<25.0					<25.0									
Ethylbenzene	μg/kg	1,570	7,470	37,000		<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	5,160	3,830
Isopropylbenzene (cumene)	μg/kg		268,000	268,000						<25.0					<25.0									
m&p-Xylene	μg/kg	3,960 ⁽⁴⁾	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	14,800	1,870
Methylene chloride	μg/kg	2.6	60,700	1,070,000						<25.0					<25.0									
Methyl-tert-butyl ether (MTBE)	μg/kg	27	59,400	293,000		<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					
Naphthalene	μg/kg	658.2	5,150	26,000		<25.0	<25.0	<25.0	<25.0	47.1J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,230 J	78.9
n-Butylbenzene	μg/kg		108,000	108,000						<40.4					<40.4									
n-Propylbenzene	μg/kg		264,000	264,000						<25.0					<25.0									
o-Xylene	μg/kg	3,960 ⁽⁴⁾	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		<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	180J	<100
p-Isopropyltoluene	μg/kg		162,000	162,000						<25.0					<25.0									
sec-Butylbenzene	μg/kg		145,000	145,000						<25.0					<25.0									
Tetrachloroethene	μg/kg	4.5	30,700	153,000						<25.0					<25.0									
Trichloroethene	μg/kg	3.6	1,260	8,810						<25.0					<25.0									
Toluene	μg/kg	1,107.20	818,000	818,000		<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	<125	<100
Total Metals																								
Arsenic	mg/kg	0.584	0.613	2.39	8					4.4					4.1									
Barium	mg/kg	164.8	15,300	100,000	364					269					127									
Cadmium	mg/kg	0.752	70	799	1					< 0.035					< 0.034									
Chromium	mg/kg	360,000								39.3					37.3									
Lead	mg/kg	27	400	800	52	9.3	8.4		12.3	9		8.1		45.4	12.2		8.6	12.4		13.9	11.5	12.2	14.6	11.6
Mercury	mg/kg	0.208	3.13	3.13						0.015					0.018									
Selenium	mg/kg	0.52	391	5,110						<0.54					< 0.53									
Silver	mg/kg	0.85	391	5,110						0.46J					0.53J									

Notes

- 1. PID = Photoionization Detector
- 2. J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- 3. '--- = Not analyzed
- 4. RCLs = Residual Contaminant Levels.
- 5. '-- = Suggested RCL has not been established for this analyte
- 6. 'Bold = indicates that the analyte and/or sample exceeds the NR 720 RCL for direct contact (non-industrial), or standards for hazard index or cancer risk unless value is less than BTV.
- 7. Italics = indicates that the sample exceeds the groundwater pathway RCL.

Footnotes:

- (1) Value is the generic RCL for the groundwater pathway.
- (2) Value is the generic RCL for exposure by direct contact.
- ⁽³⁾ Soil samples collected were analyzed for either PVOCs or the WI LUST 8260 list for VOCs.
- Only those analytes that were detected are listed. Non-detect results are reported on a wet weight basis.
- (4) RCL is for total Xylenes
- (5) RCL is for total Trimethylbenzenes.
- T4: Result reported for hydrocarbons within the method-specific range that do not match pattern of laboratory standard.
- B: Analyte was detected in the associated blank.

Created By: Wesley Braga 8/15/12

Updated By: Ted O'Connell 9/1/15, Z. Boutaghou 7/12/2016

Checked By: Ted O'Connell 8/29/12

Checked By: A. Schroeder 1/13/16

July 2012, December 2014, August 2015, and July 2016

			NR 720 RC	Ls FOR SOIL		B36H	B36I	B36J	B36K	B36L	B36L	B36M	B36M	B36M	B36N	B36N	B36N	B36P	MW-1	MW-1	MW-1
ANALYTE			NON-INDUSTRIAL		_	5-7.5	2.5-5	2.5-5.0	5.0-7.5	0-2.5	5.0-7.5	2.0-4.0	10-12.5	15-17.5	2.0-4.0	7.5-10.0	22.5-25	8.0-10.0	2.0-4.0	12.5-15	22.5-25
		GW	DIRECT	INDUSTRIAL DIRECT	BACKGROUND SURFICIAL																
DATE	UNITS	PATH ⁽¹⁾	CONTACT ⁽²⁾	CONTACT ⁽²⁾	BTV	Dec 2014	Dec 2014	Aug-15	Aug-15	Aug-15	Aug-15	Aug-15	Aug-15	Aug-15	Aug-15	Aug-15	Aug-15	Jul-16	Aug-15	Aug-15	Aug-15
PID	ppm					<1.0	<1.0	<1.0	<1.0	7.7	<1.0	930	1,893	1.9	<1.0	<1.0	<1.0	<1.0	68.7	23.1	4.9
GRO	mg/kg							<3.3		6.3 J			610								
DRO	mg/kg							<0.85	17.7	236			41.0								
VOCs/PVOCs ⁽³⁾																					
1,2,4-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	89,800	219,000		<25.0	<25.0	<25.0	<25.0	39.2 J	<25.0	18,100	13,200	<25.0	<25.0	<25.0	<25.0	<25.0	1,840	<25.0	<25.0
1,3,5-Trimethylbenzene	μg/kg	1,382 ⁽⁵⁾	182,000	182,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	6,070	4,040	<25.0	<25.0	<25.0	<25.0	<25.0	624	<25.0	<25.0
Benzene	μg/kg	5.1	1,490	7,410		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	2,010	4,240	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	μg/kg	41.2	156,000	2,040,000				<25.0	<25.0	<25.0	<25.0	<125	<100	<25.0	<25.0	<25.0	<25.0		<25.0	<25.0	<25.0
Ethylbenzene	μg/kg	1,570	7,470	37,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	5,670	5,240	<25.0	<25.0	<25.0	<25.0	38.0J	325	<25.0	<25.0
Isopropylbenzene (cumene)	μg/kg		268,000	268,000				<25.0	<25.0	<25.0	<25.0	1,910	1,590	<25.0	<25.0	<25.0	<25.0		65.7 J	<25.0	<25.0
m&p-Xylene	μg/kg	3,960 ⁽⁴⁾	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	13,500	10,500	<50.0	<50.0	<50.0	<50.0	<50.0	1,450	<50.0	<50.0
Methylene chloride	μg/kg	2.6	60,700	1,070,000				<50.0	<50.0	<50.0	<50.0	<125	<100	<25.0	<25.0	<25.0	<25.0		<25.0	<25.0	<25.0
Methyl-tert-butyl ether (MTBE)	μg/kg	27	59,400	293,000				<25.0	<25.0	<25.0	<25.0	<125	<100	<25.0	<25.0	<25.0	<25.0		<25.0	<25.0	<25.0
Naphthalene	μg/kg	658.2	5,150	26,000		<25.0	<25.0	<40.0	<40.0	63.0 J	<40.0	5,350	3,440	<40.0	<40.0	<40.0	<40.0	<25.0	193 J	<40.0	<40.0
n-Butylbenzene	μg/kg		108,000	108,000				<25.0	<25.0	<25.0	<25.0	<125	<100	<25.0	<25.0	<25.0	<25.0		226	<25.0	<25.0
n-Propylbenzene	μg/kg		264,000	264,000				<25.0	<25.0	<25.0	<25.0	2,890	2,330	<25.0	<25.0	<25.0	<25.0		295	<25.0	<25.0
o-Xylene	μg/kg	3,960 ⁽⁴⁾	260,000 ⁽⁴⁾	260,000 ⁽⁴⁾		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	488	399	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	μg/kg		162,000	162,000				<25.0	<25.0	<25.0	<25.0	1,770	1,240	<25.0	<25.0	<25.0	<25.0		33.9 J	<25.0	<25.0
sec-Butylbenzene	μg/kg		145,000	145,000				<25.0	<25.0	<25.0	<25.0	699	573	<25.0	<25.0	<25.0	<25.0		59.3 J	<25.0	<25.0
Tetrachloroethene	μg/kg	4.5	30,700	153,000				<25.0	<25.0	<25.0	<25.0	<125	<100	<25.0	<25.0	<25.0	<25.0		<25.0	<25.0	<25.0
Trichloroethene	μg/kg	3.6	1,260	8,810				<25.0	<25.0	<25.0	<25.0	<125	<100	<25.0	<25.0	<25.0	<25.0		<25.0	<25.0	<25.0
Toluene	μg/kg	1,107.20	818,000	818,000		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<125	<100	<25.0	<25.0	<25.0	<25.0	<25.0	36.5 J	<25.0	<25.0
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Arsenic	mg/kg	0.584	0.613	2.39	8																
Barium	mg/kg	164.8	15,300	100,000	364																
Cadmium	mg/kg	0.752	70	799	1																
Chromium	mg/kg	360,000																			
Lead	mg/kg	27	400	800	52	11.8	10.9	11.8	10.4	34.7		12.9	11.8	8.5	9.3				26.1	14.1	14.4
Mercury	mg/kg	0.208	3.13	3.13																	
Selenium	mg/kg	0.52	391	5,110																	
Silver	mg/kg	0.85	391	5,110																	

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Footnotes:

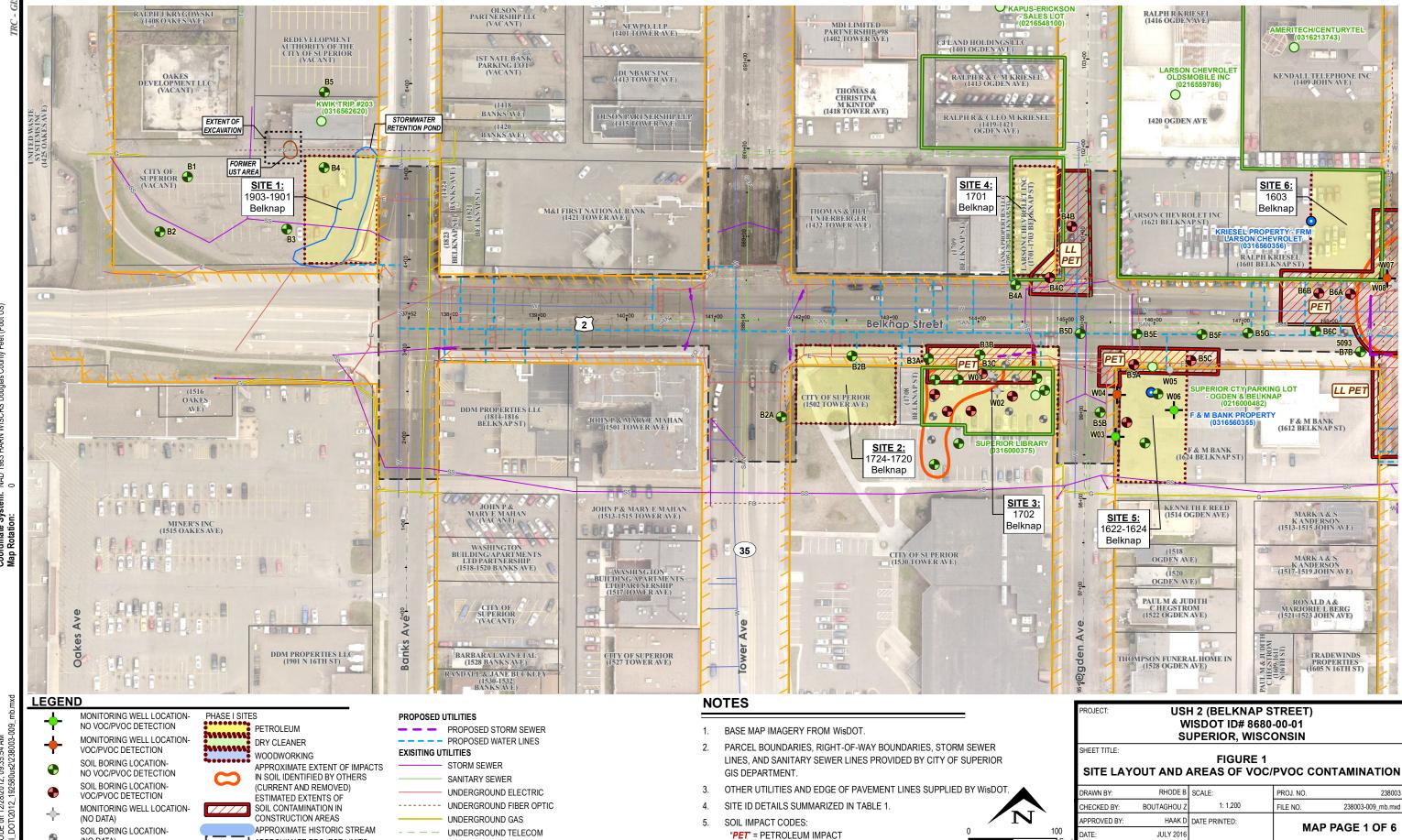
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- (5) RCL is for total Trimethylbenzenes.
- T4: Result reported for hydrocarbons within the method-specific range that do not match pattern of laboratory standard.
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Updated By: Ted O'Connell 9/1/15, Z. Boutaghou 7/12/2016

Checked By: Ted O'Connell 8/29/12

Checked By: A. Schroeder 1/13/16



"LL PET" = LOW LEVEL PETROLEUM IMPACT

"CHL" = CHLORINATED IMPACT

1"=100'

1:1,200

708 Heartland Trail, Suite 3000 Madison, WI 53717

Phone: 608.826.3600 www.trcsolutions.com

(NO DATA)

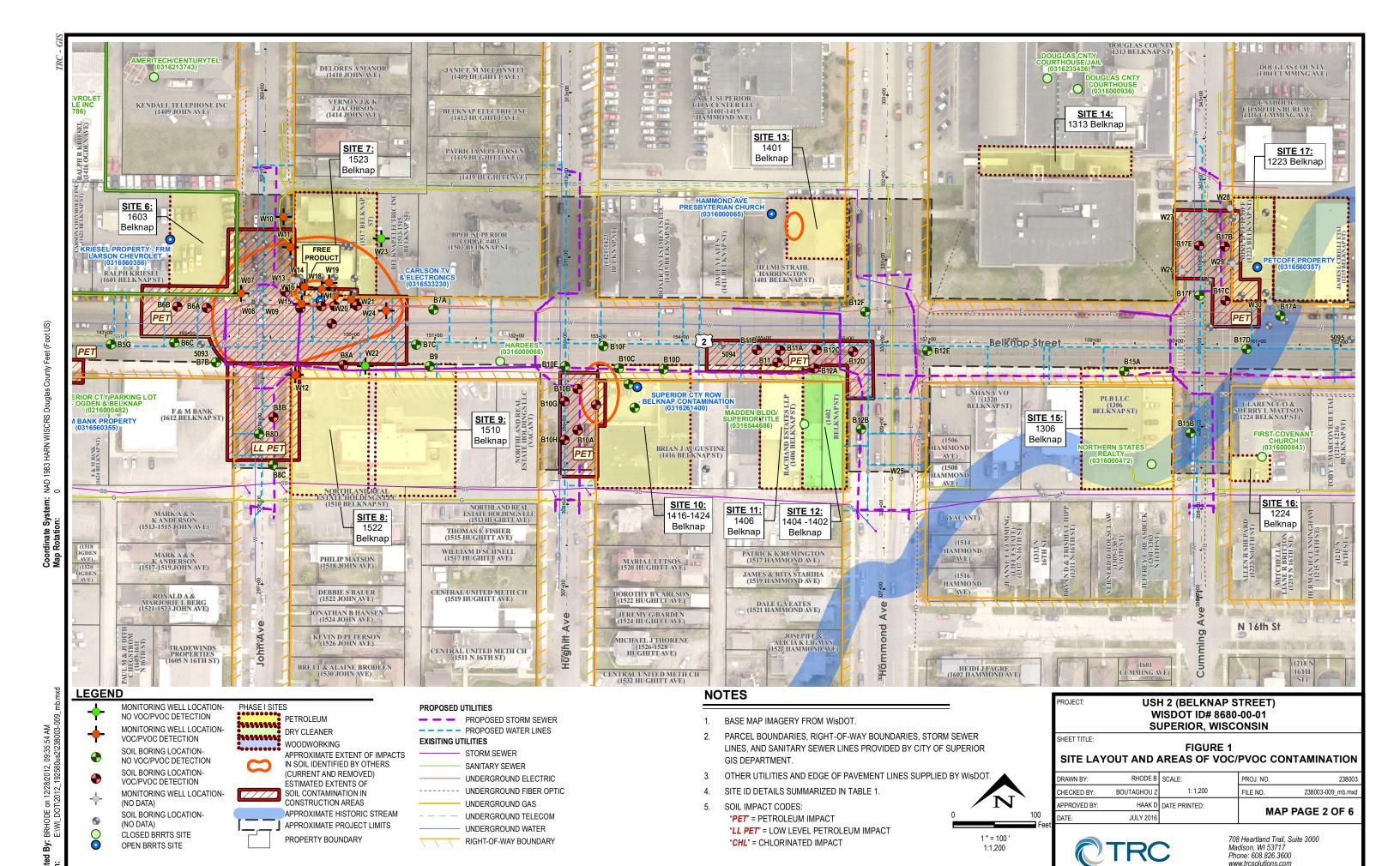
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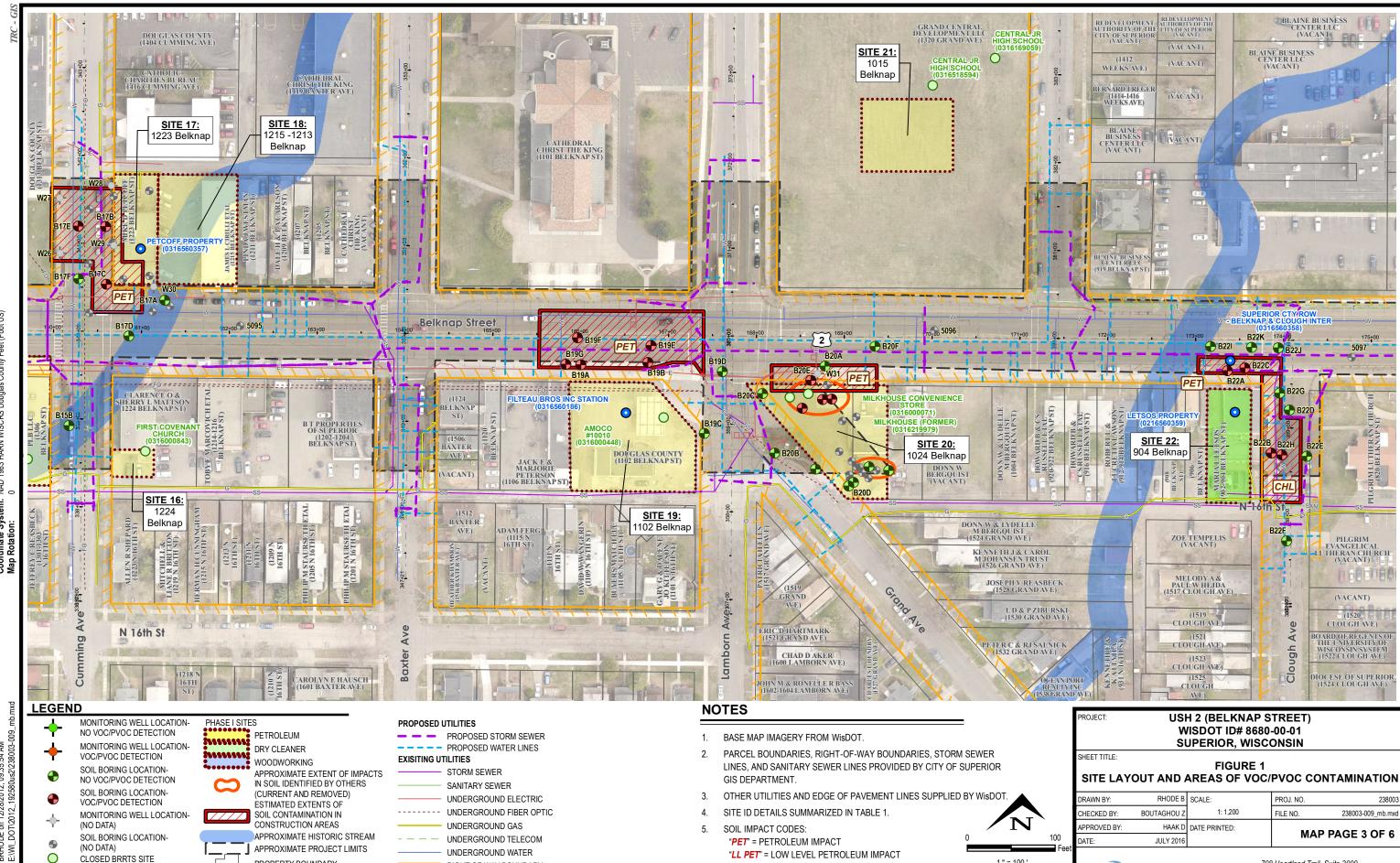
OPEN BRRTS SITE

APPROXIMATE PROJECT LIMITS

PROPERTY BOUNDARY

UNDERGROUND WATER





"CHL" = CHLORINATED IMPACT

1"=100'

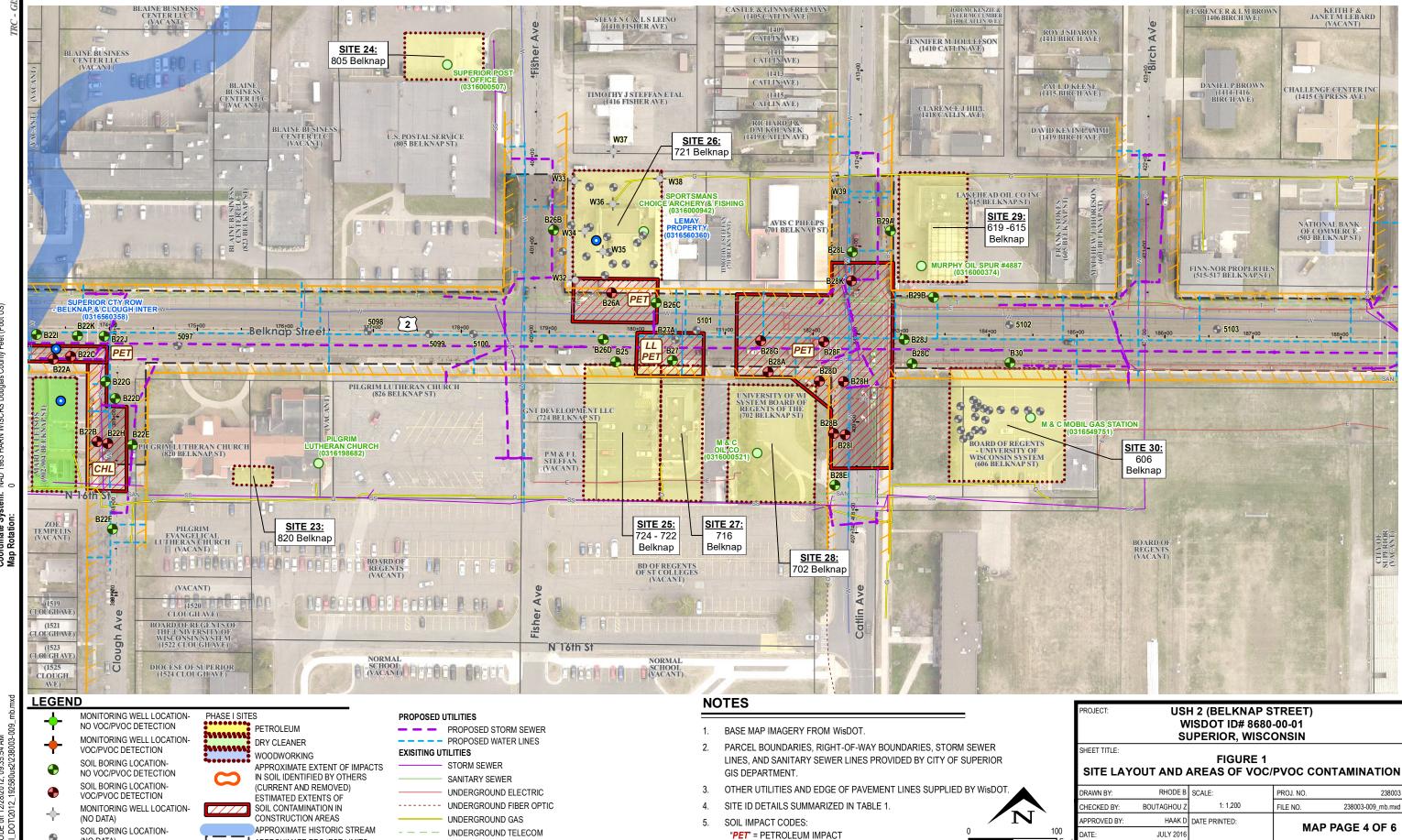
1:1,200

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OPEN BRRTS SITE

PROPERTY BOUNDARY



"LL PET" = LOW LEVEL PETROLEUM IMPACT

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(NO DATA)

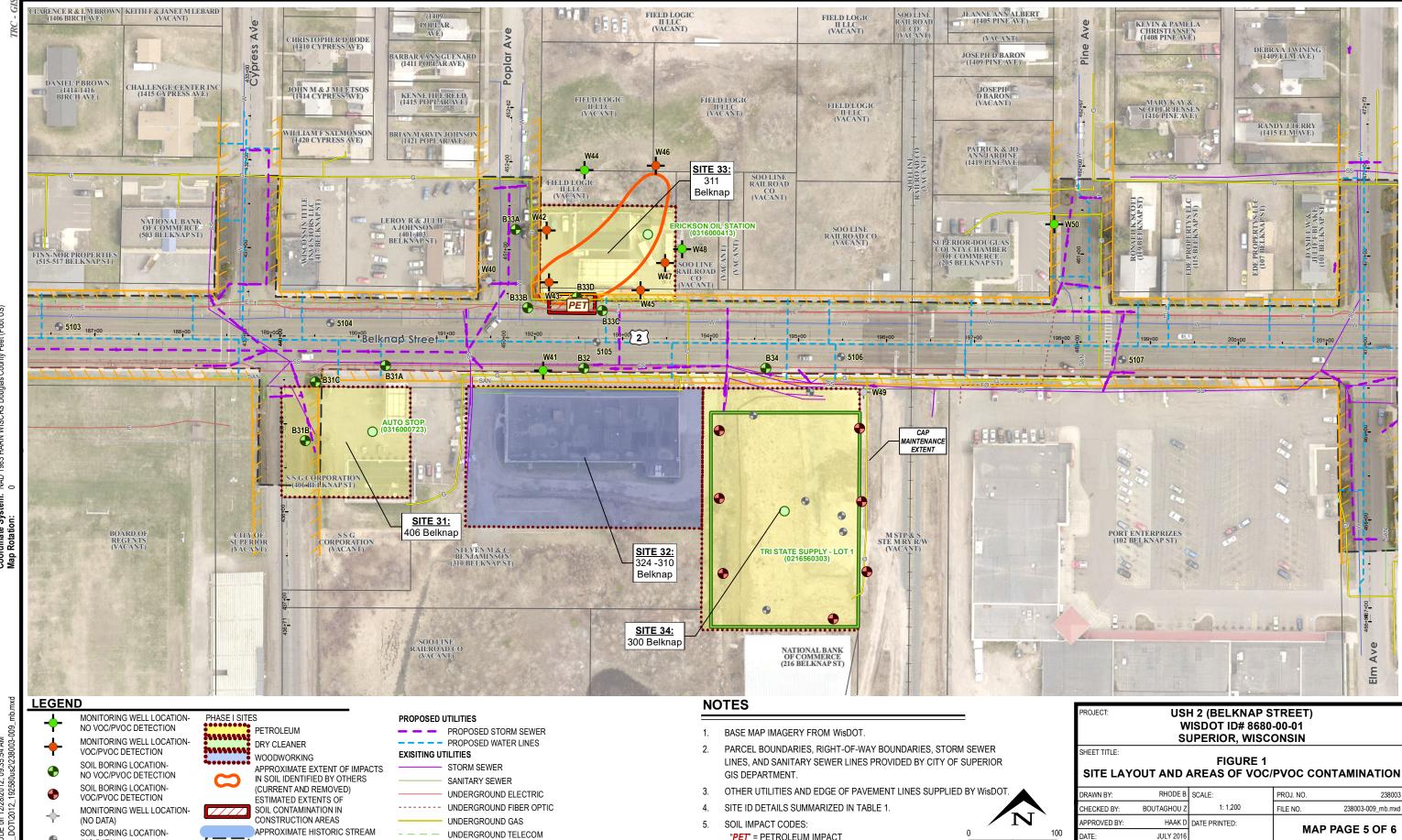
CLOSED BRRTS SITE

OPEN BRRTS SITE

APPROXIMATE PROJECT LIMITS

PROPERTY BOUNDARY

UNDERGROUND WATER



"PET" = PETROLEUM IMPACT

"CHL" = CHLORINATED IMPACT

"LL PET" = LOW LEVEL PETROLEUM IMPACT

1"=100'

1:1,200

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(NO DATA)

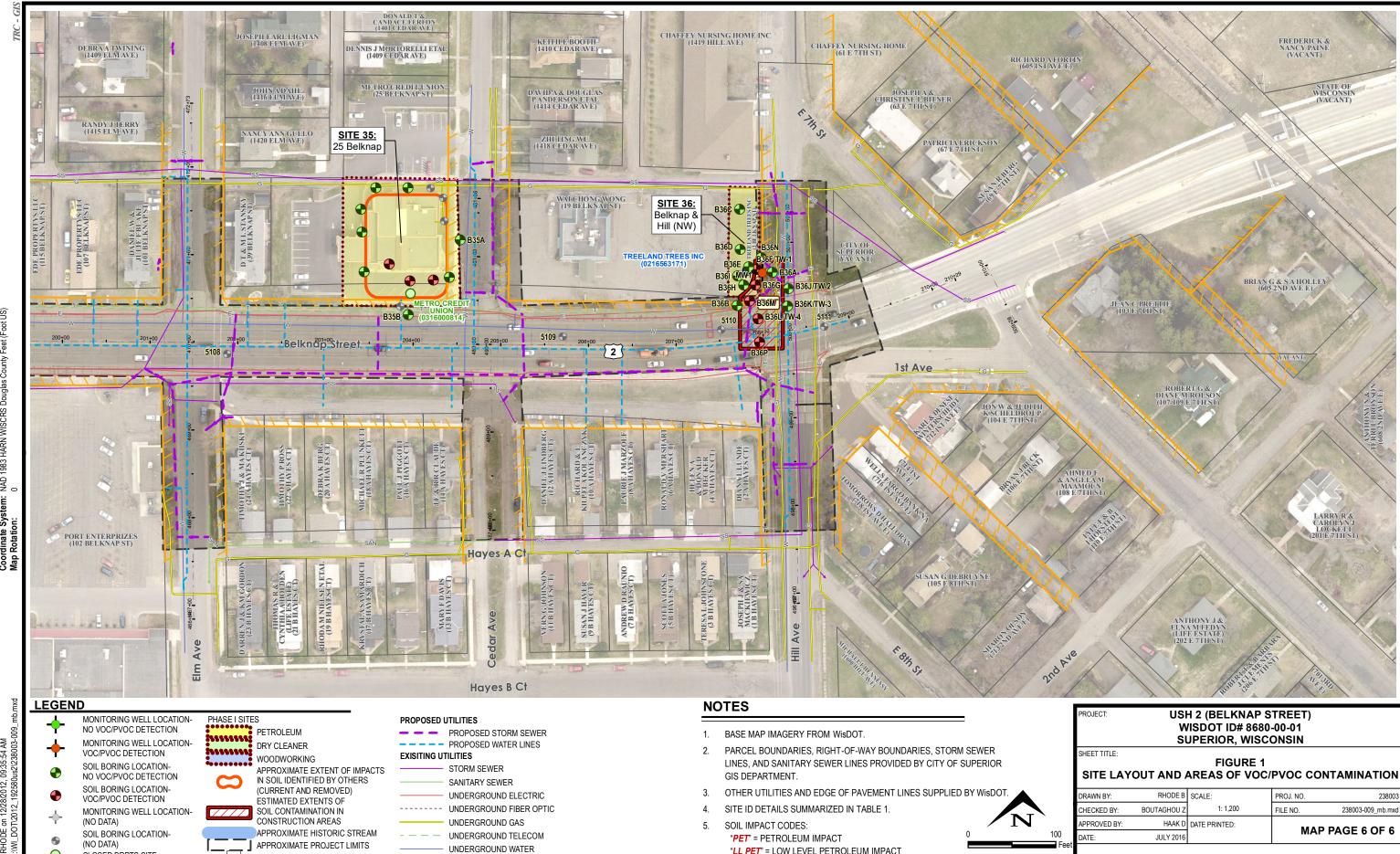
CLOSED BRRTS SITE

OPEN BRRTS SITE

APPROXIMATE PROJECT LIMITS

PROPERTY BOUNDARY

UNDERGROUND WATER



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B.

CLOSED BRRTS SITE

OPEN BRRTS SITE

PROPERTY BOUNDARY

Attachment 1 Special Provisions

Special Provisions

Table of Contents

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36.	Excavation, Hauling, and Disposal of Contaminated Soil, Item 205.0501.S.01	4
37.	Over Excavation, Hauling, and Disposal of Contaminated Soil, Item 205.0501.S.0)2 10
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SPECIAL PROVISIONS

16. Notice to Contractor – Protection of Groundwater Monitoring Wells.

Groundwater monitoring wells, including lost or improperly abandoned wells, may be present within the construction limits. Notify the environmental consultant when groundwater monitoring wells are encountered. Protect all wells to maintain their integrity. Adjust wells that do not conflict with utilities, structures, curb and gutter, etc. to be flush with the final grade. For wells that have been adjusted, survey the elevation of the top of casing as directed by the environmental consultant. For wells that conflict with the previously mentioned items, notify the environmental consultant, and coordinate with the environmental consultant, or for wells that require abandonment, the abandonment or adjustment of the wells by others. The environmental consultant will provide maps indicating the locations of all known monitoring wells, if requested by the contractor.

Coordinate with the environmental consultant to ensure that the environmental consultant is present to document the location of the groundwater monitoring wells during excavation activities.

Coordinate work under this Contract with the environmental consultant retained by the department:

Consultant: TRC Environmental Corporation

Contact: Mr. Dan Haak

Address: 708 Heartland Trail, Suite 3000, Madison, WI 53717

Phone: (608) 826-3628 Fax: (608) 826-3941

e-mail: dhaak@trcsolutions.com

Work shall be incidental to Excavation, Hauling, and Disposal of Petroleum-Contaminated Soil.

17. Notice to Contractor – Contamination Removed <u>By Others</u> During Construction.

The department and others completed testing for soil and ground water contamination for locations within this project where excavation is required. Testing indicated that contaminated soil is present at the following site(s): Carlson TV & Electronics:

• Site 6 and 7 (<u>Carlson TV & Electronics</u>) – on Belknap Street at Station 147+40 to 148+25 from the reference line to the project limits on the left, and from 148+25 to 150+75 within the project limits, and on John Avenue at Station 299+75 to 301+75 within in the project limits. (from 5-13 feet bgs)

The contaminated soils at the above sites that are within the excavation-limits of this project will may be removed by others concurrent with the work under this project.

Supply the schedule of operations in the contaminated area to the engineer at the preconstruction conference. The department will coordinate the remediation activities by others.

Provide the engineer with a written notice at least ten (10) calendar days prior to the schedule date of beginning work in the contaminated areas.

Initial contractor work in contaminated areas prior to the start of remediation activities by others shall be limited to removal of sidewalks, curb and gutter, and pavement. Then, suspend work operations in contaminated areas to allow remediation activities by others. The remediation activities of contaminated soil excavation is estimated to take five (5) calendar days to complete. Contaminated soils are likely to remain within the excavation limits of this project and shall managed in accordance with Excavation, Hauling, and Disposal of Contaminated Soil.

The Hazardous Materials Report is available by contacting Dan Haak, TRC, (608) 826-3628, dhaak@trcsolutions.com. 107-110 (20030820)

21. Health and Safety Requirements for Workers Remediating Petroleum Contamination.

Add the following to standard spec 107.1(2):

Soil contamination with gasoline, diesel fuel, fuel oil, or other petroleum related products may be encountered during excavation activities. Prepare a site specific Health and Safety Plan complying with the Occupational Safety and Health Administration (OSHA) standard for Hazardous Waste Operation and Emergency Response (HAZWOPER), 29 CFR 1910.120.

All site workers taking part in remediation activities or who will have the reasonable probability of exposure of safety or health hazards associated with the hazardous material shall have completed Health and Safety training that meets OSHA requirements. Prior to the start of remediation work, submit to the engineer a site specific Health and Safety Plan, and written verification that workers will have completed up-to-date OSHA training.

Develop, delineate, and enforce the health and safety exclusions zones for each contaminated site location pursuant to 29 CFR 1910.120. 107-115 (20150630)

36. Excavation, Hauling, and Disposal of Petroleum-Contaminated Soil, Item 205.0501.S.01

A Description

A.1 General

This special provision describes excavating, loading, hauling, and disposing of contaminated soil at a licensed bioremediation and landfill facility. The closest licensed facilities are:

Superior City Moccasin Mike Landfill Moccasin Mike Road Superior, WI 54880

Veit USA Landfill 1100 West Gary Street Duluth, MN 55808

Waste Management Timberline Trail RDF N4581 Hutchinson Road Stubbs TN, WI 54819

Perform this work in accordance to standard spec 205 and with pertinent parts of Chapters NR 700-754 of the Wisconsin Administrative Code, as supplemented herein. Per NR 718.07, a solid waste collection and transportation service-operating license is required under NR 502.06 for each vehicle used to transport contaminated soil.

A.2 Notice to the Contractor – Contaminated Soil and Groundwater Location(s)

The department and others completed testing for soil and groundwater contamination for locations within this project where excavation is required. Testing indicated that petroleum-contaminated soil and groundwater is present at the following location(s) as shown on the plans:

- Site 3 on Belknap Street at Station 143+40 to 144+60 from 30 feet right of the reference line to the project limits on the right (from 0-7.0 feet bgs)
- Site 4 on Belknap Street at Station 144+55 to 145+30 from 30 feet left of the reference line to the project limits on the left, and on Ogden Avenue at Station 100+30 to 101+75 from the reference line to the project limits on the left. (from 5-7.5 feet bgs)
- Site 5 on Belknap Street at Station 145+40 to 146+75 from 30 feet right of the reference line to the project limits on the right, and on Ogden Avenue at Station 99+25 to 100+0099+75 from approximately 15 feet right of reference line to the project limits to the right. (from 0-13 feet bgs)

- Site 6 and 7 on Belknap Street at Station 147+40 to 148+25 from the reference line to the project limits on the left, and from 148+25 to 150+75 within the project limits, and on John Avenue at Station 299+75 to 301+75 within in the project limits. (from 5-13 feet bgs)
- Site 8 on John Avenue at Station 298+50 to 299+75 with in the project limits. (from 1-5 feet bgs)
- Site 10 on Hughitt Avenue at Station 308+25 to 310+00309+50 from the reference line to the project limits on the right (from 2.5-10 feet bgs)
- Sites 11 and 12 on Belknap Street at Station 154+90-25 to 156+00-40 from the reference line to the project limits to the right, and on Hammond Avenue at Station 329+30 to 330+00 from approximately 5 feet left of the reference line to the project limits left. (from 10-13 feet bgs)
- Site 17 on Belknap Street at Station 160+25-40 to 161+00 from approximately 20 feet left of the reference line to the project limits on the left, and on Cumming Avenue at Station 340+00-75 to 341+75 from the reference line project limits on the left to the project limits on the right. (from 2-13 feet bgs)
- Site 19 on Belknap Street at Station 166+00165+50 to 167+45 from <u>approximately 20 feet left of the reference line to the project limits on the right.</u> (from 2.5-10 feet bgs)
- Site 20 on Belknap Street at Station 168+15 to 169+40 from 30 feet right of the reference line to the project limits on the right (from 0-7 feet bgs)
- Site 22 on Belknap Street at Station 173+00 to 174+00 from approximately 15 feet right of the reference line to the project limits on the right. (from 0-13 feet bgs)
- Site 26 on Belknap Street at Station 179+25 to 180+25 from approximately 10 feet left of the reference line to the project limits on the left. (from 0-12 feet bgs)
- Site 27 on Belknap Street at Station 180+00 to 180+75 from the reference line to the project limits on the right. (from 1-5 feet bgs)
- Site 28 on Belknap Street at Station 181+10 to 182+501832+090 from the reference lineproject limits on the left to the project limits on the right, and on Catlin Avenue at Station 408+50 to 410+00-75 from the reference lineproject limits on the left to the project limits on the left to the project limits on the left to the project limits. (from 1-13 feet bgs)
- Site 33 on Belknap Street at Station 192+10 to 192+70 from 30 feet left of the reference line to the project limits on the left (from 0-5 feet bgs)

■ Site 36 – on Belknap Street at Station 207+75 to 208+520 from approximately 15 feet right of the reference line to the project limits on the left, and on Hill Avenue at Station 500+00499+75 to 500+75 from the reference line to the project limits on the left. (various depths)

In addition, results indicate that solvent-contaminated soil and groundwater is present at the following location as shown on the plans:

• Clough Avenue at Station 388+50-0015 to 389+75 from approximately 15 feet right of the reference line to the project limits to the left. (from 3-10 feet bgs)

Potential <u>underground storage tanks (USTs)</u> may be present at the following locations:

- At Site 22, extending from Station 173+25 to 173+50, located in the sidewalk adjacent from 902-904 Belknap Street.
- **■** (DBD per WisDOT GPR investigation)

Assist the environmental consultant in determining if USTs are present at these locations, by performing backhoe pit investigations as directed by the environmental consultant. The backhoe pit investigation should be performed as soon as practical after sidewalks, curb and gutter, and pavement are removed and prior to utility construction beginning in those areas. The backhoe pit investigation shall be limited to areas of potential USTs and shall include up to 3 test pits per location, to a maximum depth of 6 feet bgs. The test pit investigations shall be incidental to this pay item.

There is a potential that contaminated soil and/or underground storage tanks (USTs) may be encountered at other locations within the construction limits. If contaminated soil and/or USTs are encountered at other locations, terminate excavations in this area and notify the engineer. Contaminated soil at other locations will be managed by contractor under this contract and USTs will be removed by others.

If contaminated soils are encountered elsewhere on the project, terminate excavation activities in the area and notify the engineer.

The excavation management plan for this project has been designed to minimize the offsite disposal of contaminated material. The excavation management plan, including these special provisions, has been developed in cooperation with the WDNR. The WDNR concurrence letter is on file at the Wisconsin Department of Transportation. For further information regarding previous investigation and remediation activities at these sites contact:

Name: Mr. Dan Haak or Mr. Ted O'Connell Address: 708 Heartland Trail, Madison, WI 53717

Phone: 608-826-3628 or 608-826-3648

Fax: 608-826-3941

E-mail: <u>dhaak@trcsolutions.com</u> or <u>toconnell@trcsolutions.com</u>

A.3 Coordination

Coordinate work under this contract with the environmental consultant:

Consultant: TRC Environmental Corporation

Address: 708 Heartland Trail, Madison, WI 53717 Contact: Mr. Dan Haak or Mr. Ted O'Connell Phone: 608-826-3628 or 608-826-3648

Fax: 608-826-3941

E-mail: dhaak@trcsolutions.com or toconnell@trcsolutions.com

The role of the environmental consultant will be limited to:

1. Determining if USTs are present at the pre-determined locations by assisting contractor in performing backhoe test pits;

- 2. Determining the location and limits of contaminated soil to be excavated based on soil analytical results from previous investigations, visual observations, and field screening of soil that is excavated;
- 3. Identifying contaminated soils to be hauled to the landfill facility;
- 4. Documenting that activities associated with management of contaminated soil are in conformance with the contaminated soil management methods for this project as specified herein; and
- 5. Obtaining the necessary approvals for disposal of contaminated soil from the landfill facility.

Provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all excavation activities in the areas of contamination to the environmental consultant. Also notify the environmental consultant at least three calendar days prior to commencement of excavation activities in each of the contaminated areas.

Coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation activities in the contaminated areas. Perform excavation work in each of the contaminated areas on a continuous basis until excavation work is completed.

Identify the licensed landfill facility that will be used for disposal of contaminated soils, and provide this information to the environmental consultant no later than 30 calendar days prior to commencement of excavation activities in the contaminated areas or at the preconstruction conference, whichever comes first. The environmental consultant will be responsible for obtaining the necessary approvals from the landfill facility for disposal of contaminated soils. Do not transport contaminated soil offsite without prior approval from the environmental consultant.

A.4 Health and Safety Requirements

Supplement standard spec 107.1 with the following:

During excavation activities, expect to encounter soil contaminated with gasoline, diesel fuel, fuel oil, or other petroleum related products, and solvents. Site workers taking part in activities that will result in the reasonable probability of exposure to safety and health hazards associated with hazardous materials shall have completed health and safety training that meets the Occupational Safety and Health Administration (OSHA) requirements for Hazardous Waste Operations and Emergency Response (HAZWOPER), as provided in 29 CFR 1910.120.

Prepare a site-specific Health and Safety Plan, and develop, delineate and enforce the health and safety exclusion zones for each contaminated site location as required by 29 CFR 1910.120. Submit the site-specific health and safety plan and written documentation of upto-date OSHA training to the engineer prior to the start of work.

B (Vacant)

C Construction

Supplement standard spec 205.3 with the following:

Control operations in the contaminated areas to minimize the quantity of contaminated soil excavated.

The environmental consultant will periodically evaluate soil excavated from the contaminated areas to determine if the soil will require offsite disposal. The environmental consultant will evaluate excavated soil based on field screening results, visual observations, and soil analytical results from previous environmental investigations. Assist the environmental consultant in collecting soil samples for evaluation using excavation equipment. The sampling frequency shall be a maximum of one sample for every 20 cubic yards excavated.

On the basis of the results of such field-screening, the material will be designated for disposal as follows:

- Excavation Common clean soil, construction and demolition fill (such as clean soil, boulders, concrete, reinforced concrete, bituminous pavement, bricks, building stone, unpainted or untreated wood), which under NR 500.08 are exempt materials.
- Low-level contaminated material, which exhibits no odors, staining, or PID readings no greater than 10 ppm, for reuse as fill within the construction limits, or
- Petroleum-contaminated soil for bioremediation at the licensed disposal facility, or
- Solvent-contaminated soil for disposal at the licensed disposal facility, or

Potentially contaminated for temporary stockpiling and additional characterization prior to disposal.

If during excavations outside the areas of known contamination, materials are encountered that exhibit characteristics of municipal wastes or contain significant quantities of industrial-type wastes, such as fly ash, foundry sand, and cinders, or when conditions such as underground storage tanks or soil/fill material with noticeable impacts from petroleum or chemical products, or other obvious potentially contaminated materials are encountered, suspend excavation in that area and notify the engineer and the environmental consultant.

Some material may require additional characterization prior to disposal. Provide for the temporary stockpiling of up to 200 cubic yards of contaminated soil on-site that require additional characterization. Construct and maintain a temporary stockpile of the material in accordance with NR 718.05(3), including, but not limited to, placement of the contaminated soil/fill material on an impervious surface and covering the stockpile with material to prevent infiltration of precipitation. Provide barrier fence around the stockpile as directed by the engineer and in accordance with Fence Safety. The Department's environmental consultant will collect representative samples of the stockpiled material, laboratory-analyze the samples, and advise the contractor, within 10 business days of the construction of the stockpile, of disposal requirements. The stockpiled material shall be disposed either at the licensed disposal facility by contractor or if characterized as a hazardous wastes, by the Department. As an alternative to temporarily stockpiling contaminated soil/fill material that requires additional characterization, the contractor has the option of suspending excavation in those areas where such soil is encountered until such time as characterization is completed.

Directly load and haul soils designated by the environmental consultant for offsite disposal to the licensed landfill facility. Use loading and hauling practices that are appropriate to prevent any spills or releases of contaminated soils or residues. Prior to transport, sufficiently dewater soils designated for off-site disposal so as not to contain free liquids.

Safety fencing will be implemented for the temporary stockpile location per Section 616.0700.S Fence Safety.

When dewatering of groundwater is required or surface water infiltrates excavations in areas of known contamination, either discharge to the sanitary sewer with the City of Superior approval (contact Tammy Tang, Safety & Pretreatment Coordinator, 715-394-0392), treat water per WDNR requirements and then discharged on-site, or temporarily store on-site, haul, and dispose of water by a licensed waste hauler.

Such water may be discharged to surface water if it meets all applicable requirements of the Wisconsin Pollution Discharge Elimination System (WPDES) for petroleum-contaminated groundwater. Perform all necessary monitoring to document compliance with WPDES requirements. Furnish, install, operate, maintain, disassemble, and remove treatment equipment necessary to comply with WPDES requirements.

Ensure continuous dewatering and excavation safety at all times. Provide, operate, and maintain adequate pumping equipment and drainage and disposal facilities. Notify the engineer of any dewatering activities, and obtain any permits necessary to discharge water. Provide copies of such permits to the engineer. Meet any requirements and pay any costs for obtaining and complying with such permit use. Follow all applicable legislative statutes, judiciary decisions, and regulations of the State of Wisconsin.

The City of Superior will be the generator of regulated solid waste from this construction project.

D Measurement

The department will measure Excavation, Hauling, and Disposal of Contaminated Soil in tons of contaminated soil accepted by the landfill facility as documented by weight tickets generated by the landfill facility.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM	DESCRIPTION	UNIT
NUMBER		
205.0501.S.01	Excavation, Hauling, and Disposal of	Ton
	Contaminated Soil	

Payment is full compensation for excavating, segregating, loading, hauling, and direct landfilling or treatment via bioremediation of contaminated soil; tipping fees including any applicable taxes and surcharges; obtaining solid waste collection and transportation service operating licenses; assisting in the collection soil samples for field evaluation; and dewatering of soils prior to transport, if necessary and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work. No additional payment will be made for tipping fees associated with the disposal of contaminated soil. 205-003 (20080902)

37. Over Excavation, Hauling, and Disposal of Contaminated Soil, Item 205.0501.S.02

A Description

A.1 General

This special provision describes the over-excavation of contaminated soil, backfilling and compacting the excavation, loading, hauling, and disposing of contaminated soil at a licensed bioremediation and landfill facility. The closest licensed facilities are:

Superior City Moccasin Mike Landfill Moccasin Mike Road Superior, WI 54880 Veit USA Landfill 1100 West Gary Street Duluth, MN 55808

Waste Management Timberline Trail RDF N4581 Hutchinson Road Stubbs TN, WI 54819

Perform this work in accordance to standard spec 205 and with pertinent parts of Chapters NR 700-754 of the Wisconsin Administrative Code, as supplemented herein. Per NR 718.07, a solid waste collection and transportation service-operating license is required under NR 502.06 for each vehicle used to transport contaminated soil.

A.2 Notice to the Contractor – Contaminated Soil Location(s)

The department and others completed testing for soil and groundwater contamination for locations within this project where excavation is required. Testing indicated that contaminated soil is present at the following location(s) as shown on the plans:

Treeland Trees and other City sites

- Site 10 on Hughitt Avenue at Station 308+25 to 310+00309+50 from the reference line to the project limits on the right (from 2.5-10 feet bgs)
- Site 22 on Belknap Street at Station 173+00 to 174+00 from approximately 15 feet right of the reference line to the project limits on the right. (from 0-13 feet bgs)
- Site 36 on Belknap Street at Station 207+75 to 208+50 from approximately 15 feet right of the reference line to the project limits on the left, and on Hill Avenue at Station 500+00499+75 to 500+75 from the reference line to the project limits on the left. (various depths)

The excavation management plan for this project has been designed to minimize the offsite disposal of contaminated material. The excavation management plan, including these special provisions, has been developed in cooperation with the WDNR. The WDNR concurrence letter is on file at the Wisconsin Department of Transportation. For further information regarding previous investigation and remediation activities at these sites contact:

Name: Mr. Dan Haak or Mr. Ted O'Connell Address: 708 Heartland Trail, Madison, WI 53717

Phone: 608-826-3628 or 608-826-3648

Fax: 608-826-3941

E-mail: dhaak@trcsolutions.com or toconnell@trcsolutions.com

A.3 Coordination

Coordinate work under this contract with the environment consultant:

Consultant: TRC Environmental Corporation

Address: 708 Heartland Trail, Madison, WI 53717 Contact: Mr. Dan Haak or Mr. Ted O'Connell Phone: 608-826-3628 or 608-826-3648

Fax: 608-826-3941

E-mail: <u>dhaak@trcsolutions.com</u> or <u>toconnell@trcsolutions.com</u>

The role of the environmental consultant will be limited to:

1. Determining the location and limits of contaminated soil to be excavated based on soil analytical results from previous investigations, visual observations, and field screening of soil that is excavated;

- 2. Identifying contaminated soils to be hauled to the landfill facility;
- 3. Documenting that activities associated with management of contaminated soil are in conformance with the contaminated soil management methods for this project as specified herein; and
- 4. Obtaining the necessary approvals for disposal of contaminated soil from the landfill facility.

Provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all excavation activities in the areas of contamination to the environmental consultant. Also notify the environmental consultant at least three calendar days prior to commencement of excavation activities in each of the contaminated areas.

Coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation activities in the contaminated areas. Perform excavation work in each of the contaminated areas on a continuous basis until excavation work is completed.

Identify the licensed landfill facility that will be used for disposal of contaminated soils, and provide this information to the environmental consultant no later than 30 calendar days prior to commencement of excavation activities in the contaminated areas or at the preconstruction conference, whichever comes first. The environmental consultant will be responsible for obtaining the necessary approvals from the landfill facility for disposal of contaminated soils. Do not transport contaminated soil offsite without prior approval from the environmental consultant.

A.4 Health and Safety Requirements

Supplement standard spec 107.1 with the following:

During excavation activities, expect to encounter soil contaminated with gasoline, diesel fuel, fuel oil, or other petroleum related products, and solvents. Site workers taking part in activities that will result in the reasonable probability of exposure to safety and health hazards associated with hazardous materials shall have completed health and safety training

that meets the Occupational Safety and Health Administration (OSHA) requirements for Hazardous Waste Operations and Emergency Response (HAZWOPER), as provided in 29 CFR 1910.120.

Prepare a site-specific Health and Safety Plan, and develop, delineate and enforce the health and safety exclusion zones for each contaminated site location as required by 29 CFR 1910.120. Submit the site-specific health and safety plan and written documentation of upto-date OSHA training to the engineer prior to the start of work.

B (Vacant)

C Construction

Supplement standard spec 205.3 with the following:

Control operations in the contaminated areas to minimize the quantity of contaminated soil excavated.

The environmental consultant will periodically evaluate soil excavated from the contaminated areas to determine if the soil will require offsite disposal. The environmental consultant will evaluate excavated soil based on field screening results, visual observations, and soil analytical results from previous environmental investigations. Assist the environmental consultant in collecting soil samples for evaluation using excavation equipment. The sampling frequency shall be a maximum of one sample for every 20 cubic yards excavated.

On the basis of the results of such field-screening, the material will be designated for disposal as follows:

- Excavation Common clean soil, construction and demolition fill (such as clean soil, boulders, concrete, reinforced concrete, bituminous pavement, bricks, building stone, unpainted or untreated wood), which under NR 500.08 are exempt materials.
- Low-level contaminated material for reuse as fill within the construction limits, or
- Petroleum-contaminated soil for bioremediation at the licensed disposal facility, or
- Solvent-contaminated soil for disposal at the licensed disposal facility, or
- Potentially contaminated for temporary stockpiling and additional characterization prior to disposal.

Directly load and haul soils designated by the environmental consultant for offsite disposal to the licensed landfill facility. Use loading and hauling practices that are appropriate to prevent any spills or releases of contaminated soils or residues. Prior to transport, sufficiently dewater soils designated for off-site disposal so as not to contain free liquids.

The City of Superior will be the generator of regulated solid waste from this construction project.

D Measurement

The department will measure Excavation, Hauling, and Disposal of Contaminated Soil in tons of contaminated soil accepted by the landfill facility as documented by weight tickets generated by the landfill facility.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER DESCRIPTION UNIT 205.0501.S.02 Excavation, Hauling, and Disposal of Contaminated Soil Ton

Payment is full compensation for excavating, segregating, loading, hauling, and direct landfilling or treatment via bioremediation of contaminated soil; tipping fees including any applicable taxes and surcharges; obtaining solid waste collection and transportation service operating licenses; assisting in the collection soil samples for field evaluation; backfilling and compacting the excavation; and dewatering of soils prior to transport, if necessary and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work. No additional payment will be made for tipping fees associated with the disposal of contaminated soil.

205-003 (20080902)

95. Low Permeable Plug, Item SPV 0060.39

A Description

This special provision describes work conforming with the requirements of section 205 of the standard specifications, pertinent parts of the Wisconsin Administration Code (Department of Natural Resources Environmental Investigation and Remediation of Environmental Contamination, Chapters NR 700-736), as shown on the plans, and as supplemented herein.

This work consists of construction of low permeable plugs within utility trenches, including quality assurance testing, if required by the engineer or environmental consultant.

A.1 Notice to the Contractor

The department and others have completed investigations for soil and groundwater contamination for locations adjacent to, and within, the construction limits where excavation is planned. Information obtained by the department indicates that installation of low permeable plugs are required to reduce the potential for migration of contaminants within new utility trenches entering and/or exiting the following contaminated soil management locations:

■ Site 7 – on Belknap Street at Station 149+35 at 25 feet from the reference line to the left, and on John Avenue at 300+65 at 5 feet from the reference line to the right.

Additional low permeable plugs may be required for utility trenches at other locations at the discretion of the engineer and environmental consultant. For further information regarding investigation activities at these locations, contact Dan Haak, TRC Environmental Corporation, 708 Heartland Trail, Madison, Wisconsin, 53717, and (608) 826-3628.

A.2 Coordination

Coordinate work under this contract with the environment consultant retained by the department:

Consultant: TRC Environmental Corporation

Contact: Mr. Dan Haak

Address: 708 Heartland Trail, Suite 3000, Madison, WI 53717

Phone: (608) 826-3628 Fax: (608) 826-3941

e-mail: dhaak@trcsolutions.com

The role of the environmental consultant will be limited to:

- 1. Evaluation and approval of alternate low permeable plug construction (if alternate to section B is proposed by contractor); and
- 2. Determining the location and installation depths of low permeable plugs based on review of information from previous field investigations, visual observations, and field screening of soil and groundwater.

Construct low permeable plugs in accordance with the terms and conditions specified herein. At the pre-construction conference, provide a proposed schedule for all excavation activities in the areas of known contamination. Three calendar days prior to commencement of low permeable plug construction, notify the engineer and environmental consultant and provide specifications for alternate low permeable plugs, if proposed. Coordinate with the environmental consultant to ensure that the consultant is present prior to and during low permeable plug construction.

Provide documentation of conformance to the bentonite, cement, aggregate, and sand specifications identified in B Materials to engineer at least three days prior to low permeable plug construction.

B Materials

Furnish the materials required to mix and construct the low permeable plug. Acquire materials used for the low permeable plug mixture form the same source used for all work. Use the following low permeable plug mixture unless an alternative low permeable plug is approved by the department and environmental consultant:

(1) No. 1 Stone: Gradation in accordance with department's Concrete Coarse Aggregate, Section 501.2.5.4.4, No.1.

SIEVE SIZE PERCENT PASSING

1 inch 100

3/4-inch 90 – 100 3/8-inch 20 – 55 No. 4 0 – 10 No. 8 0 – 5

(2) Sand: Natural river or bank sand; free of silt, clay, loam, friable or soluble materials, or organic matter; graded in accordance with WisDOT Concrete Fine Aggregate Section 501.2.5.3.4 within the following limits:

SIEVE SIZE PERCENT PASSING

3/8-inch 100 No. 4 90 – 100 No. 16 45 – 80 No. 50 5 – 30 No. 100 0 – 10

(3) Cement: ASTM C 150, Type I – Normal

(4) Bentonite: High yield 200-mesh sodium bentonite clay.

(5) Water: Use pre-approved department source. Water shall be clean and not detrimental to concrete.

Prepare the low permeable plug in general accordance with the following: one 50-pound bag of cement, two 50-pound bags of sodium bentonite, 1,280 pounds of sand, and 1,939 pounds of No. 1 stone per 1 CY of mix. Prepare the mixture to have sufficient water to be free-flowing and self-healing with a slump of 8 to 10 inches. Use form material at your discretion.

C Construction

Supplement subsection 205.3 of the standard specification with the following:

Examine the following items prior to the low permeable plug construction to verify materials to be used are acceptable: confirm trench subgrade and walls meet specifications, and confirm trench subgrade is free of standing water.

Erect formwork, shoring, and bracing to achieve design requirements in accordance with requirements of ACI 301. Provide bracing to ensure stability of formwork. Shore or strengthen formwork subject to overstressing by construction loads. The trench backfill placed at the angle of repose in completed sections of the utility trench may serve as containment for one face of the low permeable trench plug.

Extend each low permeable plug at least 3 feet along the trench length. Extend the height of each plug from the bottom of the design utility trench to at least 1 foot above the installed utility. Completely encase the utility pipes and extend the low permeable plugs from trench sidewall to trench sidewall. Place materials such that materials do not segregate. Maintain

records of material placement (e.g., record data, location, quantity, air temperature, and test samples collected).

Remove the formwork in accordance with requirements of ACI 301. Remove the forms after 48 hours or when the low permeable material has achieved a strength of at least 50 pounds per square inch as measured by unconfined compressive strength tests on the test specimens. If low permeable plug material does not have the strength to maintain its shape without the assistance of forms, allow the forms to remain in-place.

Field inspection and testing will be performed by the department as necessary. Assist the department with obtaining material samples. The department representative may perform tests on bentonite, cement, aggregate, and sand to ensure conformance with specified requirements. If field inspections indicate work does not meet specified requirements, remove work and replace at no additional cost to the department.

D Measurement

The department will measure Low Permeable Plugs in quantity of plugs placed and accepted.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	Ţ	UNIT
SPV.0060.39	Low Permeable Plug	I	Each

Payment is full compensation for furnishing all materials and formwork, preparing the low permeable plug, hauling materials to the construction site, placing the material, removing formwork, and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

116. Trench Plug, Item SPV.0060.83.

A Description This special provision describes B Materials Furnish conforming to standard spec section #. C Construction D Measurement The department will measure E Payment

The department will pay for measured quantities at the contract unit price under the

following bid item:

ITEM NUMBERDESCRIPTIONUNITSPV.0060.83Trench PlugEACH

Payment is full compensation for

167. Management of Solid Waste, Item SPV.0195.01.

A Description

This work will conform with the requirements of Section 205 of the Standard Specifications; to pertinent parts of the Wisconsin Administrative Code, Chapters NR 700-736 Environmental Investigation and Remediation of Environmental Contamination; Wisconsin Administration Code, Chapters NR 500-538, Solid Waste; and as shown on the plans and as supplemented herein.

Contaminated waste material excavated during construction which cannot in the opinion of the environmental consultant be managed as contaminated soil will be managed as solid waste. Solid waste within fill material may be encountered within the limits of the construction.

This work consists of excavating, segregating, temporary stockpiling, loading, hauling, and disposing of solid waste material at a licensed disposal facility. The nearest licensed disposal facilities are:

Superior City Moccasin Mike Landfill Moccasin Mike Road Superior, WI 54880

Veit USA Landfill 1100 West Gary Street Duluth, MN 55808

Waste Management Timberline Trail RDF N4581 Hutchinson Road Stubbs TN, WI 54819

Provide information to the environmental consultant and engineer that indicates the licensed disposal facility that the contractor will use.

B (Vacant)

C Construction

Subsection 205.3 of the Standard Specification is supplemented with the following:

Solid waste is defined as material containing non-exempt materials such as treated wood, household waste, glass, plastic, or similar wastes not exempt from licensing and

requirements of Wisconsin Administrative Code NR 500–538 of the solid waste regulations. Dispose of all such material at an approved solid waste disposal facility.

During excavations in the area of known contamination, larger chunks of clean concrete (~2 cubic feet) and bricks will be segregated from the fill, to the extent practical and managed as common excavation. Under NR 500.08 this material is exempt from licensing and requirements of Wisconsin Administrative Code NR 500-538 of the solid waste regulations, and will be reused as designated by the environmental consultant or engineer as fill on the project, or it will be disposed of off-site at the contractor's disposal site(s).

Verify that the vehicles used to transport material are licensed for such activity in accordance with applicable state and federal regulations.

Obtain the necessary disposal facility approvals and DNR approvals for disposal. Do not transport regulated solid waste off-site without obtaining the approval of the environmental consultant and engineer and notifying the disposal facility.

The City of Superior will be the generator of regulated solid waste from this construction project.

D Measurement

The department will measure solid waste by the ton of waste accepted by the disposal facility and as documented by weight tickets.

E Payment

The department will pay for measured quantities at the contract unit price under the following item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.01	Management of Solid Waste	Ton

This payment for Management of Solid Waste is full payment for excavating, segregating, temporary stockpiling, loading, transporting, and disposal of solid waste material and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work in accordance with the contract. No additional payment will be made for tipping fees associated with the disposal of solid waste.

Attachment 2 Soil Boring Logs and Borehole Abandonment Forms

SOIL BORING LOG INFORMATION

Form 4400-122 Rev.

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		S	_#		Soil/R	ock Description						6)					
ı ə	Att.	ount	n Fe			ologic Origin For		S		u		essive	5 T		£		nts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	h Major Unit		USC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		Щ	- 1	CON	CRETE	<u></u>	···		I o v	1		0 01	20	1 1			<u> </u>
Gr [40		- - 1	SUB	BASE, sand	and gravel.											
			E 1			L), plastic, 5YR					0.0	2.4					
1 GP			_2	stiff.	sh brown, no	odor, no moistur	e, very										
			E														
			-3								0.0	2.8					
=			E,														
			F*													·	
2	60		F ₋₅	A a ala													
GP	60		-	As at	oove.			CL									
			-6								0.0	2.9					
			E_														
			- 7														
			<u>-</u> 8														
		1	E								0.0	3.5					Soil sample from 8.0' -
			-9														10.0' bgs.
			E														
_			10	E.O.I	B. at 10' bgs.												
							<u>.</u>										
	-	fy that	the info	rmation o	on this form is tr	ue and correct to the										<u>-</u>	
Signa	ture	<	~		>	Firm T	RC Enviro	onme	ntal								Tel: Fax:

State of Wisconsin Department of Natural

SOIL BORING LOG INFORMATION

Tel: Fax:

l Resources		Fo	rm 4400-122	Rev. 7-98	
Route To:	Watershed/Wastewater Remediation/Redevelopment	Waste Management ☐ Other ☐			
			Pa	ige 1 of 1	
		License/Permit/Monitoring Nur	nber Boring Numb	per	_

													Pag		of	1
Facility	-			.) (TD !! 0 (00 00 0	1	License/F	Permit/	Monitor	ing N	umber		Boring	Numbe		OF.	
				eet) (ID# 8680-00-0 f crew chief (first, last) ar		Date Dril	lina Ci	out od		Det	e Drilli	na Con	mlotad	<u>B1</u>		ing Method
Doring	Dille	д Бу.	Name of	ciew ciliei (llisi, lasi) ai	ій ғиш	Date Dill	mig Si	arieu		Dai	e Dilli	ng Con	ipieieu			ing Method
Twi	n Por	ts Tes	sting, I	nc.			7/6/	2016				7/6/20	016		G	eoprobe
WI Un				DNR Well ID No.	Common Well Name	Final Stat			1	Surface	Elevat			В	orehole	Diameter
]	Feet 1	MSL				t MSI			2.1	inches
Local (ngın	☐ (es	timated:) or Bor., 618 N, 1,442,015	ing Location ⊠ E S/C/N	Lat	t46	° 43	<u>' 14.</u>	.207"	Local C	irid Loc				
State	1/4	of		/4 of Section ,	T N, R	1	-92		<u>'</u> 57.	.403 "		Feet	□ N			☐ E Feet ☐ W
Facility				County		County Co		Civil To			/illage		<u> </u>			
				Douglas		16		Super	rior							
San	ple											Soil	Prope	erties	,	
	& (in)	ts	t	Soil/R	ock Description						ု့					
r	Att. red	uno;	n Fe	And Ge	ologic Origin For		S	0	д		essiv h	ب ہوا		\frac{1}{2}		uts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Eac	h Major Unit		ျပ	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
Nu		Blc	Dej				ΩS	Grap Log	Well Diagr	II II	Col	<u>∞</u> <u>∞</u>	Liquid Limit	Plastic Index	P 2	RQD/ Comm
2 GP	60 48		-	CONCRETE				P 4 4								
	.0		E, I	SUBBASE, sand	and gravel.											
			 	LEAN CLAY (C	L), plastic, 5YR 5	/4				0.1	3.1					
			F ,	reddish brown, no	odor, no moisture	, very										
			<u>-2</u>	stiff.												
			F .													
			-3							0.1	3.6					
			F .													
			E ⁴													
			-													
2 GP	60		F ⁵	As above.												
GP	54						CL					:				
目			F 6							<1	3.8					
			E													
			7													
Ē			-8							<1	2.75					Soil sample
			F													from 8.0 [†] - 10.0' bgs.
			<u>-</u> 9													10.0 bgs.
			-													
			10	E.O.B. at 10' bgs.				<u> </u>								
				L.O.D. at 10 ugs.												
								}								
								<u>L</u> _								
I horob	v certif	Sy that	the info	rmation on this form is tr	ue and correct to the be	et of my kn	owled	œ.								

Signature	\supset	Firm	TRC Environmental		-	

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/V		_		_	ement								
					Remediation	/Redevelopment		Other										
															Pag		of	1
Facility	•			-4) (TD	м осоо оо с	11)		License/	Permit/	Monito	ring Nu	ımber		Boring	Numbe	эт В 10)C	
					0# 8680-00-0 nief (first, last) a			Date Dr	illing St	arted		Dat	te Drilli	ng Con	pleted	DIV		ing Method
Ū		•			, , ,										•			
Twi	n Port	ts Tes	sting, l		W II ID M	777 11	<u> </u>	F: 10		2016	1 1		. 171	7/6/2	016			eoprobe
WI Un	ique w	ell No.	•	DNK	Well ID No.	Common Well	Name	Final Sta	itic wa Feet I		³¹	Surrace	Elevat Fee	non et MSI	· .	Bo		Diameter inches
Local (irid Or	igin			☐) or Bo		$\overline{\mathbb{X}}$	٠,			1 12	54611		rid Loc			2.1	Hieros
State F					, 1,441,966	_)		at46		13.				\square N			□Е
Facility	1/4	of	1	/4 of Sec	County	T N, R	- 1	Lon County Co	g <u>-92</u>	Civil T	58.		7:110.00	Feet]	Feet W
racinty	ш			1	Douglas			26uniy 20	de	Supe		ity/ Of v	mage					
Sam	ple				2-048-40				Τ	Jupa				Soil	Prope	erties		<u> </u>
	•	70			Soil/I	Rock Description									•			
٥	Att.	ounts	ь Ее			eologic Origin Fo					_		ssive	43				nts
Typ	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Ea	ch Major Unit			CS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	nid it	Plasticity Index	0	D/ Dime
Number and Type	Len Rec	Blo	Dep						n s	Grap Log	We] Dia	PID	Con	Moj	Liquid Limit	Plastic Index	P 200	RQD/ Comments
1 GP	60 54		11	CON	CRETE	<u></u> .				D 4 4 0								
™ 🖥	34		- -1	SUB	BASE, sand	and gravel.												
			- 1	LEA	N CLAY (C	CL), plastic, 5	YR 5/	4					2.8					
冒			_2		sh brown, no slight mottli	o odor, no mo	isture,	very										
自			-	Suii,	Siigiit iilottii	ng.					1		1					
昌			_ _3								1							
	ļ		-								1		2.5					
冒			-4	As at bgs.	bove, petrole	um odor begi	nning	at 3.5']	1:						
			E	ogs.							}			E				
,昌			_ _5			. 1 1		51 .			1							
2 GP ☐	60 60				oove, strong iterval.	petroleum od	or ove	r 5' to	CL									
冒			- -6	10 11					-			823	3.0					
			Ē									823	3.0					
			_ _7								1							
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冒			_8								1	728	2.2					Soil sample
亅			F								}	/20	2.2					from 8.0 -
亅			_9															10.0' bgs.
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4			-10	EOI	B. at 10' bgs					Y//_	1							
				2.0.1	10 050	•												
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	-	y that	the info	rmation o	on this form is t	rue and correct to		· ·										
Signatu	ıre	2	<u>`</u>	3		Firm	ⁿ TRO	C Envir	onmer	ıtal								Tel: Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/W	astewater	Waste	Manag	ement								
					Remediation/	Redevelopment	Other										
														Pag	e 1	of	1
Facili	ty/Projec	t Nam	ie				License	/Permit/	Monito	ring Nu	mber	T	Boring	Numbe	er		
					# 8680-00-0					-110					<u>B1</u>		
Borin	g Drilled	l By: 1	Name o	f crew ch	nief (first, last) ar	nd Firm	Date Di	illing S	tarted		Dat	te Drilli	ng Con	npleted		Drill	ing Method
Tu	in Por	to Teo	etina '	Inc				7/6	2016				7/6/2	016		G	eoprobe
WI U	nique W	ell No	·		Well ID No.	Common Well Name	e Final St			1 5	Surface	e Elevat		010	Во		Diameter
	•							Feet 1				Fee	t MSI	Ĺ		2.1	inches
	Grid Or	igin			O or Bori			at46	° 43	' 13.0	186"	Local C	rid Loc	ation			
State	Plane				, 1,441,965	_							_	ΠИ			□Е
Facili	1/4	of	1	/4 of Sec	ction , County	T N, R	County C	ng <u>-92</u>	Civil To	58.0		/illaga	Feet	□ s]	Feet W
raciii	ty 1D				Douglas		16	oue	Supe		ty/ Of v	mage					
Sai	mple				Douglas		110		Juper				Soil	Prope	erties		
	T				Soil/R	ock Description							Jun		10105		
	tt. &	unts	Feel			ologic Origin For						sive					S
S er	th A	Ş	l In			h Major Unit		CS	pic	am	Ð	gth	ture	.	city	_	nen /
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		240	n major onn		ns (Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1		_ <u>'''</u>	-	CON	CRETE			12	J A	<u> </u>	<u> </u>	0 8	20	НН	F I		
1 GP	60		F											İ			
			-1		BASE, sand		4/4	+			3.4	3.1					
			F	reddis	N CLAY (C. sh brown slie	L), plastic, 5YR ght petroleum od	4/4 or no										
			<u>-</u> 2			to hard; petroleu											
=				increa	ases with dep	th; breaks blocky	<i>J</i> .			}							
=			_ 3								422	4.2					
			Ē								423	4.2					
			_4														
[F]							
			E_5														
GP E	60		F _	As ab	oove.			CL		}		ŀ					l
٠. ا								CL		1							
			<u>⊢</u> 6							1	487	3.0					
			<u> </u>							1							
			<u></u>							1							
			_							1							
2			- 8	As ab	ove, very str	ong petroleum o	dor from			1	920	3.2					Soil sample
			E	8' to 1	10' bgs.												from 8.0 ⁷ - 10.0' bgs.
			<u>-</u> 9			•				1							
			=														
E	1		-10	EOF	B. at 10' bgs.			-	Y//	1							
		i									l						
I here	by certif	y that	the info	rmation c	on this form is tr	ue and correct to the	best of my l	nowled	ge.								
Signa	ture		. ~	$\overline{>}$		Firm T	RC Envir	onmei	ntal		_						Tel:
		_	_	\nearrow													Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/V Remediation			Waste l	_	ement								
															Pag		of	1
	y/Projec H 2 (E			eet) (ID#	# 8680-00-0)1)		License/	Permit/	Monitor	ing Nu	mber		Boring	Numbe	B1	1A	
					ief (first, last) a			Date Dri	illing St	tarted		Dat	te Drilli	ng Con	npleted			ing Method
			sting, l							2016				7/6/2	016			eoprobe
WI Uı	nique W	ell No	•	DNR W	Vell ID No.	Common	Well Name	1	itic Wa Feet 1		1	Surface	e Elevat Fee	ion et MSI	L	Во		Diameter inches
Local State	Grid Or	rigin			1,442,229		on ⊠ / C/(N)		at46		<u>'</u> 14.	164"	Local C		cation			
	1/4	of		/4 of Sect	tion ,		N, R	Lon	g <u>-92</u>	<u>.°5</u>	54.	324"		Feet	∐ N]	☐ E Feet ☐ W
Facilit	y ID			i i	County Douglas			County Co	ode	Civil To Super		ty/ or V	Village					
Sar	nple			<u>L</u> _					<u> </u>					Soil	Prope	erties		
oer ype	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		And G	Rock Descr eologic Ori ch Major U	gin For		So.	iic	am	e E	Compressive Strength	ure	1	city		RQD/ Comments
Number and Type	Lengt	Blow	Depth		Ea	cii iviajoi C	/IIIt		USC	Graphic Log	Well Diagram	PID/FID	Compress Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comr
2 GP			-1 -2 -3 -4 5 7 8 9 10	SUBE LEAN reddis moiste	CRETE BASE, sand N CLAY (C) sh brown, slure, very still ove.	CL), plas ight petro ff.	tic, 5YR 4	4/4 or, no	CL			0.0	2.75					Soil sample from 8.0' - 10.0' bgs.
I herel	y certif	y that	the info	rmation or	n this form is t	true and co	rrect to the b	est of my k	nowled	ge.	<u> </u>			<u>L</u>				L
Signat	ure <			3			Firm TF	RC Enviro	onmer	ntal					-			Tel: Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/W Remediation/	'astewater 🗌 Redevelopmen	ıt 🗆	Waste I Other	_	ement								
															Pag	ge 1	of	1
	y/Projec				# 9690 00 0	1)		License/I	Permit/	Monitor	ring Nu	ımber		Boring	Numb	er B1	1 D	
					# 8680-00-0 ief (first, last) a			Date Dri	lling St	arted		Da	te Drilli	ng Con	npleted			ing Method
Tw	in Por	ts Tes	sting,]	Inc.					7/6/	2016				7/6/2	016		Ge	eoprobe
	nique W				Well ID No.	Common We	ll Name	Final Sta	tic Wat	ter Leve	:1	Surfac	e Elevat	ion		Во	rehole	Diameter
[ocal	Grid Or	rigin	. (es	stimated:	☐) or Bor	ing Location	\boxtimes	<u></u>	Feet l				Fee Local C	t MSI		ļ	2.1	inches
	Plane				1,442,201			La				4.17"			□ N	ī		□ Е
Facilit	1/4	of	1	/4 of Sec	ction ,	T N, R		Long County Co		° 5 Civil To	' 54.		/illage	Feet	□ s]	Feet W
racine	уш			- 1	Douglas			16	ue	Super		ity/ Of v	vinage					
Sar	nple													Soil	Prope	erties		
	% (ii)	ts:	g			ock Description							e e					
er /pe	n Att ered	Coun	In F			ologic Origin	For		S	.2	<u> </u>		ressi	nt e		ity		rents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	ch Major Unit			ısc	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		<u>B</u>		CON	CRETE				D	0 4 9	N II	<u> </u>	S	20	HH	P d	<u> </u>	<u> </u>
GP	36		Ē		BASE, sand	and gravel												
13	1		<u> </u>		N CLAY (C		5YR 4	/4				<1	1.6					
=			<u> </u>		sh brown, no													
			<u></u> −2															
Ė			_3															
			E]	4.2	3.5					
			<u>-</u> 4															
			Ē															
2	60		_5	Asah	ove, very sti	ff							3.3					
2 GP	60		E	115 40	, , , , , , , , , , , , , , , , , , ,				CL									
			- 6									18.3	3.2					
E																		
			<u></u>								1							
			F.]							
			8 									6.7	2.75				-	Soil sample from 8.0' -
			<u>_</u> 9															10.0' bgs.
											1							
Ē			-10	EOI	2 4 101 has					<u> </u>	1							
				E.U.E 	B. at 10' bgs.													
. 1			1 : 6	<u>.</u>	4: 6 :				L		<u> </u>				<u></u>			L
I here Signa		ty that	the info	rmation o	on this form is t	ue and correct												
		•	<	15			IK	.C Enviro	uner	uai								Tel: Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/W	astewater \square	Waste 1	Manage	ement								
					Remediation/	Redevelopment	Other										
														Pag	e 1	of	1
Facilit	y/Projec	ct Nam	ne				License/	Permit/	Monitor	ing Nu	mber		Boring		r		
					0# 8680-00-0										B12		
Boring	g Drilleo	d By:	Name o	f crew ch	nief (first, last) ar	nd Firm	Date Dri	lling St	arted		Dat	te Drilli	ng Con	pleted		Drill	ing Method
Tw	in Por	ts_Tes	sting,	Inc.					2016				7/6/20	016			eoprobe
WI Uı	nique W	ell No		DNR '	Well ID No.	Common Well Name	II			1	Surface	Elevat			Bo		Diameter
Local	Grid Or	rigin	☐ (e	stimated:	☐) or Bor	ing Location 🛛		Feet 1		ł		Fee Local G	t MSI			2.1	inches
State		ıgııı			, 1,442,274		La	t46	<u>43</u>	<u>' 14</u>	.17"	Docar C	niu Loc	□ N			□ Е
	1/4	of		/4 of Sec		T N, R	Lon	g <u>-92</u>	<u>° 5</u>	53.	686"		Feet	\Box s]	Feet W
Facilit	y ID				County		County Co	de	Civil To		ty/ or \	/illage					
					Douglas		16		Super	ior		/					
San	nple												Soil	Prope	rties		
	. & (in)	ıts	eet			lock Description						e ve					
g L	Att	Journ	In F			cologic Origin For		S	ွ	8	۵	essi h	e t		ty.		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
N W		<u>B</u>	De					Ď	Grap Log	We Dia	II.	St S	≱ రి	Ë Ë	Pla Ind	P 2	S _C
1 GP	60 30		F	CON	ICRETE				0 4 A								
			E,	SUB	BASE, sand	and gravel.											
			þ '	SAN	DY LEAN (CLAY (CL), plast	tic,				0.2	3.2					
			F 2			prown, no odor, no)										
Ē			_2	mois	ture, very stif	Ι.					l 						
E			F .														
E			-3	1							1.6	2.4					
		ļ	E														
Ē			-4														
			F														
,	60		_5	A a a1	harra rrame lit	tle (9") recovery o	m 51										
GP	9		E		gs interval; v)II 3 -	CL									
E			-6		55 11101 (41, 1	cry soru.											
E			F								3.4	0.0					
E			F ₇								1						
			'														
Ē			Ε,														
E			- 8								ļ						Soil sample
=										1							from 8.0 [†] - 10.0' bgs.
			- 9														
			F														
╘			- 10	FO	B. at 10' bgs.				<i>Y//</i>								
					a. 10 0gs.												
												1					
														}			
I herel	by certif	fy that	the info	rmation	on this form is tr	rue and correct to the b	est of my k	nowled	ge.	-							
Signat	•	'	>	<u></u>	,		RC Enviro										Tel:
		(/<			Liiviit		1								Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98 Waste Management Route To: Watershed/Wastewater

					Ren	nediation	/Redevel	opment \square	Other	. 🗆										
																	Pag	ge 1	of	1
Facility	-								Licens	e/Permi	/Mo	nitor	ing Nu	mber		Boring	Numb			
						30-00-0			D.t. D	:11: 6	14 4 -	3		ID-	4- D-:11:	C	1.41	B12		
Boring	Drille	1 By: 1	Name o	i crew c	niei (iii	st, last) a	ina Firm		Date D	rilling S	starte	ea		Da	te Drilli	ng Con	npietea		Drill	ing Method
Twi	n Por	ts Tes	sting,	Inc.						7/6	/20	16				7/6/2	016		G	eoprobe
WI Un					Well II	No.	Comm	on Well Name	e Final S	tatic W			l	Surfac	e Elevat			Во	rehole	Diameter
Ŧ . 17	7:10		<u> </u>	450.04.1		. D				Feet	MS	L				t MS			2.1	inches
State I		ıgın				or Box 42,317		ation 🛭 S/C/(N)	1	_at4	<u>6°</u> _	43	<u>' 14.</u>	152"	Local C	ma Loc	cation	г		□ Е
	1/4	of		/4 of Se		,	T	N, R	Lo	ng <u>-9</u>	<u>2°</u> _	5	53.	055 <u>"</u>		Feet]	Feet W
Facility	/ ID				County		<u>.</u>	<u> </u>	County C		Civ	il To iper		ty/ or \	Village					
San	ple				12048	5.440		<u></u>	120			1				Soil	Prope	erties		
	_					Soil/F	Rock Des	scription												-
a)	۸tt. ا ed (i	ounts	Fee					Origin For					_		SSIVE	0		x		ıts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			Ea	ch Major	Unit		CS	Graphic	_	Well Diagram	PID/FID	Compressive Strength	Moisture Content	bit #	Plasticity Index	9	RQD/ Comments
Nur	Len	Blo	Dep							n s	Gra	Log	Well Diagr	M M	Con	Moi	Liquid Limit	Plastic Index	P 200	RQJ Com
	60 60		-	CON	NCRE	TE	1440		-		0 0	4 9								
。 目	00		E,	SUB	BASI	E, sand	and gr	avel; black			X	$\stackrel{\bullet}{\boxtimes}$								
亅			- 1	∖stain	ing.					/				<1	3.3					
			_2					(CL), med c, 5YR 4/4												
冒			þ í	brow	yn, sli	ght petr	oleum	odor, no m	noisture,	CL										
			F_3	very	stiff;	grades	from sa	andy to no												
			Ė	over	1 to 4	l' bgs in	ntervai.							6.3	2.5					
			F_4	L							1/									
			Ė	LEA redd	NN CI	JAY (C	L), pla	astic, 5YR troleum od	4/4 or											
				mois	st, very	y stiff; v	wetter a	and fatter v	vith											
GP 3	60 60		Ė					ween samp	ole										-	
			- 6	sieev	ve and	soil sa	mpie.							20	2.6					
			Ē											29	2.6					:
			<u>-</u> 7							CL	. [/									
			E																	
			-8											38.7						0 - 11 1 -
			E	l]										38.7	2.0					Soil sample from 8.0' -
亅			<u>_</u> 9																	10.0' bgs.
亅			E																	
目			-10	EO	D -4	10' bgs.					- /	24								
				E.U.	.Б. аі	to ogs.	•													
																		<u> </u>		
I hereb	y certif	y that	the info	rmation	on this	form is t	rue and	correct to the	best of my	knowle	dge.							_		

Firm TRC Environmental Signature

Tel: Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	·	d/Wastewater ion/Redevelopment	Waste l Other	_	ement								
- '''	. 75					- I= :							Pag		of	1
	ty/Projec			eet) (ID# 8680-00	L01)	License/l	Permit/	Monitor	ring Nu	ımber		Boring	Numbe	B12	2E	
Borin	g Drille	d By:	Name o	f crew chief (first, las	t) and Firm	Date Dri	lling St	tarted		Da	te Drilli	ng Con	pleted	<u> </u>		ling Method
Tw	in Por	ts Te	sting,	Inc.			7/7/	2016				7/7/20	016		G	eoprobe
	nique W			DNR Well ID No.	Common Well Name	1			el l	Surfac	e Elevat			Во		Diameter
T agal	Grid Or	.ii		etimotodi 🔲 🔾 an	Boring Location 🖂		Feet I	MSL			Fee Local C	t MSI			2.1	inches
	Plane	ngm		,603 N, 1,442,4		La	t <u>46</u>	<u>6° 43</u>	<u>' 14.</u>	162"	Local	та гос	anon N			
	1/4	of		1/4 of Section ,	T N, R	Long	g <u>-92</u>	<u>.°5</u>	51.	756"		Feet	\Box s			□ E Feet □ W
Facili	ty ID			County		County Co		Civil To		ty/ or \	Village					
		T	T	Douglas		16	_	Super	rior		,	~ 11				
Sar	nple											Soil	Prope	rties		_
	(in)	nts	eet		il/Rock Description						\ e					
er ype	1 At	Com	In F	l	Geologic Origin For		S	. <u>2</u>	[ressi	ıre	_	ity		
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Each Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture	Liquid Limit	Plasticity Index	200	RQD/ Comments
		B	Į Ā	CONCRETE			D	<u> </u>	ß Ω	I.I.	0 2	ΣŬ	r r	Pl In	Д	<u> </u>
1 GP	54		E					2 4 4		ļ						
E			<u>-</u> 1	SUBBASE, sar				XX]	<1	2.75					
E			E	LEAN CLAY	(CL), plastic, 5YR 4 no odor, no moisture	4/6			1	\1	2.73					
			<u>-</u> 2	stiff.	no odor, no moisture	e, very			1							
E			E													
			<u>-</u> 3						1							
			F						1	<1	3.5					
			E ₄													
			_						1							
			F _									,				
2	60		<u></u> 5	As above, with	mottles (gley2 7/100	G light										
GP	60		F		roughout 5' to 10' bg	gs	CL									
Ē			- 6	interval.					1	<1	3.25					
Ē			Ē													
=			7													
E			F													
			<u>-8</u>							<1	2.75					Soil sample
Ē			F						}		2.75					from 8.0 ⁷ -
Ē			<u>-</u> 9						}							10.0' bgs.
Ē			E						1							
			<u>├</u> 10	F 0 P + 1011					1							
				E.O.B. at 10' b	gs.											
I herel	ov certif	y that	the info	rmation on this form	is true and correct to the b	est of my ki	nowled	ge.			-1		I	I		
Signat	-	,	7			RC Enviro										Tel:
_	`	` <)		l II	C LIIVIIC	,1111Cl	ııaı								Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/V	Vastewater Redevelopment	Waste Other	-	ement								
					Remediation	/Redevelopment 🗀	Other	L							1	•	1
Facilit	ty/Projec	ct Nan	ne				License	Permit/	Monito	ring Nu	ımber		Boring	Pag Numbe		of	1
US	H 2 (E	Belkna	ap Stre		D# 8680-00-0										B12		
Boring	g Drille	1 By : 1	Name o	f crew cl	nief (first, last) a	nd Firm	Date Dr	illing St	arted		Da	te Drilli	ing Con	npleted		Drill	ing Method
	in Por			Inc.					2016				7/7/2	016		Ge	eoprobe
WI Uı	nique W	ell No).	DNR	Well ID No.	Common Well Name				el l	Surfac	e Eleva		r	Bo		Diameter
Local	Grid Or	rigin	☐ (es	stimated:	☐) or Bo	ring Location 🖂		Feet l					et MSI Grid Loc			2.1	inches
	Plane				, 1,442,334			at <u>46</u>		<u>' 14.</u>				\square N			□Е
Facilit	1/4	of	1	/4 of Sec	ction ,	T N, R	Lon County Co	g <u>-92</u>	Civil To	<u>' 52.</u>		Village	Feet	□ s]	Feet W
raciii	ly ID				Douglas		16	Jue	Super		ty/ OI	v mage					
Sar	nple				<u> </u>								Soil	Prope	erties		
	% (ii)	ts	et		Soil/F	Rock Description						روا					
r pe	Att.	\oun(In Fe			eologic Origin For		S	o	g		essiv h	e +		ţt	ı	ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60	<u>B</u>	-	CON	NCRETE	· · · · · · · · · · · · · · · · · · ·		D	9 7	≯ □	A.	S C	20	77	A H	_Д	2 2
GP	48		F.	SUR	BASE, sand	and oravel	<u>-</u>									ı	
			F 1			CL), plastic, 5YR	4/6]	0.0	2.75				ı	
			-2	reddi		o odor, no moistur										ı	
			F	stiff.												i i	l
Ē			<u>-3</u>													ı	
			E								0.2	3.2				ı	
			<u>-</u> 4	A = -1		1 41 1.											
			E	As at	bove, sandiei	clay seam at 4' b	gs.										
2 =	60		_5	As al	hove					1						; [
GP	60		F	Asai	oove.			CL									
			<u>-</u> 6]	0.1	3.25					
			Ė											ļ			
			- 7														
=			E]	
			F-8								01	3.25					Soil sample
			-							1							from 8.0 [†] - 10.0' bgs.
			<u></u>														
			-10														
			10	E.O.	B. at 10' bgs.												
		y that	the info	rmation	on this form is t	rue and correct to the l	oest of my k	nowled	ge.								
Signat	ture	-		5		Firm T	RC Enviro	onmer	ıtal								Tel: Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Rc</u>	oute To:	Watershed/W Remediation/	astewater Redevelopment	Waste Other	-	ement			•					
							1							Pag		of	1
	y/Proje H 2 (F			eet) (TD:	# 8680-00-0	1)	License/	Permit/	Monitor	ring Nu	mber		Boring	Numbe	т В1'	7D	
					ief (first, last) ar		Date Dr	illing St	tarted		Dat	te Drilli	ng Com	pleted			ing Method
Тхх	n Dor	to Tas	sting,	Inc				7/6/	2016				7/6/20	016		G	eoprobe
WI Ur	ique W	ell No		DNR V	Well ID No.	Common Well Name	Final Sta			1 :	Surface	e Elevat		010	Bo		Diameter Diameter
								Feet I	MSL				t MSI			2.1	inches
Local State	Grid Oi Plane	rigin			\square) or Bori	ing Location 🖂 E S/C/N	La	at <u>46</u>	<u>6° 43</u>	<u>' 14.</u>	<u>191"</u>	Local G	irid Loc	ation			□ Е
	1/4	of		1/4 of Sec		T N, R	Lon	g <u>-92</u>		<u>' 46.</u>			Feet	\Box s		J	Feet W
Facilit	y ID				County		County Co	ode	Civil To		ty/ or \	Village					
San	nple				Douglas		16	T	Super	nor	Γ		Soil	Prope	rties		
_San					Soil/R	ock Description						-	3011	Порс	ities		
0	od (in)	unts	Feet			cologic Origin For						sive					र
Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			ch Major Unit		CS	ohic	l gram	PID/FID	Compressive Strength	sture tent	iid it	Plasticity Index	9)/
Number and Type	Leng	Blo	Dep					S O	Graphic Log	Well Diagram	PID	Compres Strength	Moisture Content	Liquid Limit	Plastic Index	P 200	RQD/ Comments
1 GP	60 3			CON	CRETE				0 4 4								
1 = = = = = = = = = = = = = = = = = = =			<u>-</u>			and gravel, wood											
E			- 1			ying subbase.					<1	N/A					
			-2	LEAD vellor	N CLAY (C	L), plastic, 5YR 4 YR 3/4 dark redd	1/6 ish										
Ē			F			o moisture, very s											
Ē			Ė														
E			<u>-</u> 4							}							
			E					İ									
,	60		- -5	A 1													
2 GP	60 60		Ē	As ab	iove.			CL									
			<u>-</u> 6								_1	2.5					
			E								<1	2.5					
Ē			<u>-</u> 7							1						i	
			-]							
Ē			-8								<1	2.9					Soil sample
			Ē													ı	from 8.0 [†] - 10.0' bgs.
			<u></u> 9													ı	10.0 055.
Ē										1						i	
			-10	E.O.E	3. at 10' bgs.				1///							ı	
					-											ı	
																i	
hereh	v certif	Sy that	the info	rmation o	on this form is to	rue and correct to the b	est of my 1	nowled	ge.	<u> </u>	<u> </u>		<u></u>	L	L		<u>L</u>
Signat	-	y mat	one 1010	amanon C	ni una ionin is u		RC Envir										Т .1
٠٠٠٠٠	• (<u> </u>		/5		1F	C EIIVII	omnei	ııaı								Tel:

SOIL BORING LOG INFORMATION

Form 4400-122	•	Rev. 7-9

			<u>R</u>	oute To:	Watershed/W			_	ement								
					Remediation/	Redevelopment	Other										
		_												Pag		of	1
	ty/Projec)# 8680 - 00-01	1)	License	Permit/	'Monito	ring Nu	ımber		Boring	Numb	er B 1'	71C	
					nief (first, last) ar		Date Dr	illing St	tarted		Dat	e Drilli	ng Con	npleted			ing Method
Tw	in Por	ts Te	sting,	Inc.				7/7/	2016				7/7/2	016		Ge	eoprobe
	nique W			DNR V	Well ID No.	Common Well Name	I			el	Surface	Elevat		-	Во		Diameter
Local	Grid Or	igin	[] (e	stimated:	or Bori	ng Location 🖂	<u> </u>	Feet I	MSL		T	Fee Local C	t MS			2.1	inches
	Plane	15111			, 1,442,741		L	at46	<u>5° 43</u>	15.	428"	Local	JII LO		I		□ Е
	1/4	of		1/4 of Sec		T N, R		g <u>-92</u>	<u>2°5</u>	<u>47.</u>			Feet	\Box s]	Feet W
Facili	ty ID				County		County Co	ode	Civil T		ty/ or \	/illage					
Sar	nple		1		Douglas		16	T	Supe	rior		Γ	Soil	Propo	ortics		
Sai	T				C-:1/D	- al- Danawinstian							3011	Гюр	lucs		
	tt. & d (in	ınts	Feet			ock Description ologic Origin For						ive					S
ber	th A	Cor	n In			h Major Unit		CS	hic	lam	Œ	press gth	ture	p	icity		/ ment
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		244			O S O	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		I	┝▔	CON	CRETE				8 8 8			0 0,	20		I		<u> </u>
GP	36		E	L	····	and amazzal		<u> </u>]							
			-1		BASE, sand	SAND (SW), v					11.7	0.25					
Ē			Ē	round	ded, fine to co	parse grained, 7.5	YR 4/6										
			-2	stron	g brown, slig	ht petroleum odor	r, moist.	SW									
			E														
			-3	LEA	N CLAY (C	L), plastic, 5YR 4	4/6		1///		37.7	3.25					
			F	reddi	sh brown, sli	ght petroleum odo	or,			1							
			-4	moisi	t, very stiff.					}							
1 GP			 														
2 GP	60		<u>-5</u>	As at	oove.												
Gr	60		F								1						
			F-6					- CT			244.4	3.25					
			F					CL									
			<u>-</u> 7														
			F .							1							
			<u>-</u> 8							1	156.4	2.4					Soil sample from 8.0' -
			F ,							1							10.0' bgs.
=			<u>–</u> 9							1							
			F							}				ļ			
			10	E.O.I	B. at 10' bgs.												
I here	by certif	that	the inf	ormation 4	on this form is tr	ue and correct to the b	est of my k	nowled	ge.	<u> </u>		<u> </u>		1	L	<u> </u>	<u> </u>
Signa		.,)	7	on one rount to th	15.	RC Enviro										Tel:
_	•	` <		/5			C LIIVIII	THITCL	ııaı								Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Rc</u>		Watershed/Waste Remediation/Red		Waste I Other	_	ement								
Facili	ty/Proje	ct Nar	ne				License/I	Permit/	Monitor	ing Nu	mber	1	Boring	Pag Numbe		of	1
US	H 2 (I	Belkn	ap Str		8680-00-01)										B1		
Borin	g Drille	d By:	Name o	f crew chief	(first, last) and F	irm	Date Dri	lling St	arted		Dat	e Drilli	ng Con	pleted		Drill	ing Method
Tw	in Por	ts Te	sting,						2016				7/7/2	016			eoprobe
WI U	nique V	Vell No).	DNR Wel	l ID No. Co	mmon Well Name	1	tic Wa Feet I		1	Surface	Elevat Fee	ion t MSI		Во		Diameter inches
	Grid O	rigin) or Boring			t46		' 14.8	332 "	Local G					AIVIN S
State	Plane	of		,003 IN, I	1,442,740 E	S/C/(N) N, R	1	g <u>-92</u>		47.0			Feet	□ N □ S		1	□ E Feet □ W
Facili				Cou	ınty		County Co		Civil To	own/Ci		/illage					
Saı	mple		T		ouglas		16		Super	nor			Soil	Prope	erties		
	Т*	· · ·	t		Soil/Rock	Description						0	50	-1000	10102		
a a	Att.	Count	In Fe		-	gic Origin For		\ \omega	၁	Ħ	Д	essiv	rre It		ity		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Each M	Iajor Unit		USC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 42		-	CONCI	RETE				0440								
			<u>-1</u>		SE, sand and						1.2	0.25					
			E			D SAND (SP) ounded, 7.5YR		SP			1.2	0.23					
			<u>-2</u>			or, moist, loose											
			-3	LEAN	CLAY (CL)	plastic, 5YR 4	4/6										
			E	yellowis	iii ied, no ode	n, moist, very	Suii.				<1	2.25					
			-4														
			Ē,														
2 GP	60 54		<u>−</u> 5	As abov	e.												
			<u>-</u> 6								-1	26					
			F					CL			<1	3.6					
			7														
			<u>-</u> 8														
			F.°								<1	3.2					Soil sample from 8.0' -
			9											-			10.0' bgs.
L			10	E.O.B. a	at 10' bgs.				7.7.7								
- 1	<u> </u>				1. 0 .	4											
I here Signa	-	ty that	the info	rmation on the	his form is true a	Firm TE	est of my kr RC Enviro										Tel:
-		< <	<u></u>			11	C LHVIIO	iiiiiÇl	ııal								Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater Remediation/Redevelopment	Waste Mother	-	ement								
								Pag	e 1	of	1
Facility/Project Name	License/I	Permit/	Monitor	ing Nu	ımber		Boring	Numbe)D	
USH 2 (Belknap Street) (ID# 8680-00-01) Boring Drilled By: Name of crew chief (first, last) and Firm	Date Dril	ling St	arted		Da	te Drilli	ng Con	pleted	B19		ing Method
								-			-
Twin Ports Testing, Inc. WI Unique Well No. DNR Well ID No. Common Well Name	Final Stat		2016	1 1	Confoo	e Elevat	7/7/2	016	Do		eoprobe Diameter
WI Unique Well No. DNR Well ID No. Common Well Name		nc war Feet N		1	Surrace		ion et MSI	L	В0.		inches
Local Grid Origin (estimated:) or Boring Location		t46		' 13	3.81 "	Local C					
State Plane 573,540 N, 1,443,470 E S/C/N		<u>-92</u>		36.			T4			-	□ E
1/4 of 1/4 of Section , T N, R Facility ID County	County Co	de	Civil To			Village	Feet				Feet W
Douglas	16		Super								
Sample							Soil	Prope	rties		
अर् 🗐 🙀 👸 Soil/Rock Description						e e					
And Geologic Origin For		S	. <u>.</u>	ш	le	ressi	ıre		ity		lents
Number and Type and Type Blow Counts Blow Counts Blow Counts Blow Counts Blow Counts Each Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
7 5 5 6		D	D &	M □	[A	OS	Z C	n n	P II	<u>Д</u>	_ _K O
GP 48 L			2 4								
SUBBASE, sand and gravel. LEAN CLAY (CL), plastic, 5YR 4	1/5				<1	2.5					
yellowish red, no odor, no moisture,	, very										
stiff.	•								l		
					3.9	2.4					
As above, sulphur to musky odor from 7.5' has: no obvious contamination	om 5' to						l				
7.5 ogs, no oovious contamination.		CL									
					<1	2.4					
						}					
					<1	2.2					Soil sample from 8.0' -
<u> </u>											10.0' bgs.
E.O.B. at 10' bgs.											
I hereby certify that the information on this form is true and correct to the b	est of my kn	owled	ge.								
Signature Firm TR	RC Enviro	nmen	ıtal								Tel:

	of Wisc tment o		ral Reso	urces								BOR 100-122		LOG		RM v. 7-98	ATION
			Ro	ute To:	Watershed/Waters	astewater Redevelopment	Waste :		ement								
Es silié	ty/Projec	at Nam					License/	Domoit	Monitor	rin a Niv	mala an	-T-	Boring	Pag		of	1
				eet) (ID	# 8680-00-02	1)	License	remm/	MOIIIOI	.iiig Nu	inoei)	Domig	Numbe	B19	ÐΕ	
					ief (first, last) ar		Date Dri	lling S	tarted	 -	Dat	e Drilli	ng Com	pleted			ing Method
Tw	in Por	ts Te	sting,]						2016				7/7/20	016		Ge	eoprobe
WI Uı	nique W	ell No		DNR V	Well ID No.	Common Well Name	Final Sta			1	Surface	Elevat			Bo		Diameter
Local	Grid O	rigin	☐ (es	timated:	O or Bori	 ing Location ⊠		Feet 1				Fee Local G	t MSI			2.1	inches
	Plane	15111			1,443,389		La	ut <u>46</u>	<u>5° 43</u>	<u>' 14.</u>	<u> 101 "</u>	Locui C	na zoc	□ N			□ Е
	1/4	of	1	/4 of Sec	etion ,	T N, R		g <u>-92</u>		<u>' 37.</u>			Feet	□s		J	Feet W
Facilit	y ID			I	County		County Co	ode	Civil To		ty/ or \	/illage					
Sar	nple	Γ	1		Douglas		16	T	Super	nor	1	Ι	Soil	Prope	rties		
Sai	Τ				Cail/D	a als Dagamentian							Son	Тюрс	lucs		
pe 31	Length Att. & Recovered (in)	Counts	Depth In Feet		And Ge	ock Description ologic Origin For		S	ပ	8	Q	essive th	re		ity		ents
Number and Type	Length Att. Recovered (Blow Counts	Depth		Eac	h Major Unit		usc	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP			-	CON	CRETE				9 4 9								
Gr [40		F. 1	SUBI	BASE, sand	and gravel.			XX].							:
			E,	LEA	N CLAY (C	L), plastic, 5YR 4	1/5				<1	3.7					
			_2			htly musky odor											1
		:	- 2		ture, very stif	bgs interval, no											
1 GP			_3		, •												
			-								52.6	2.3					
		l 	_4							}							
			F .]							
			<u>_</u> 5			444											
2 = GP =	60 60		E	As ab	oove, no odor 7' bgs.	, little grey mottle	s from	CL									
			<u>-</u> 6		7 0gs.						27.4	26					
GP =			E								37.4	2.6					
			- 7							}							
			E							1							
=			-8							1	26.7	2.4					Soil sample
			E							1	20.7	2.4				ı	from 8.0 [†] -
			_9]						ı	10.0' bgs.
			E													ı	
E	1		-10	FOR	B. at 10' bgs.	· · · · · · · · · · · · · · · · · · ·			<i>Y/_</i>	1						ı	
				E.U.I	o. at iv ugs.											ı	
																ı	
										<u> </u>							
I here	bv certi	fy that	the info	rmation o	on this form is tr	ue and correct to the b	est of my k	nowled	lge.								

Signature

TRC Environmental

Tel: Fax:

SOIL BORING LOG INFORMATION

esources Form 4400-122 Rev. 7-98

		Ro	ute To:	Watershed/W				_	ement								
				Remediation/	Redevelopn	ment \square	Other										
														Pag		of	1
Facility/Proj				W 0 600 00 0	4.		License/	Permit/	'Monito	ring N	umber		Boring	Numb		OF.	
				# 8680-00-0 ief (first, last) ar			Date Dri	Ilina S	tarted		Da	te Drilli	ng Con	nnleted	B19		ing Method
Dornig Dim	cu by.	i vanie o	t crew cm	ici (iiisi, iasi) ai	IG PHIII		Date Di	iiiig 5	unica			ic Dilli	ng Con	прискей			ing wichiou
Twin Po			Inc.					7/7/	2016				7/7/2	016			eoprobe
WI Unique	Well No).	DNR V	Vell ID No.	Common '	Well Name	1			el	Surfac	e Elevat		-	Во		Diameter
Local Grid ()rigin		timated:	or Bor	ing Location	n 🖂		Feet 1	MSL			Local C	t MS			2.1	inches
State Plane)IIgiii			1,443,306		n ⊠ C/ ®	La	ıt <u>46</u>	<u>5° 43</u>	<u> 14</u>	.182 "	Local	JII LO		I		□ Е
	4 of	1	/4 of Sect	tion ,	T N	, R	Lon	g <u>-92</u>	2°	<u>38</u>	.864"		Feet	\Box s]	Feet W
Facility ID			i i	County			County Co	de	Civil T		ity/ or `	Village					
C 1	1			Douglas			16	1	Supe	rior		1	G '1	D.			
Sample													Soil	Prope	erties		
. t.	lits (eet			ock Descrip							š					
ype h At	Con	la I	1		ologic Orig			S	. <u>2</u>	[ressi	nt nt	_	ity		lents
Number and Type Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	h Major Ur	nit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	<u> </u>	[_	CON	CRETE				Þ	D J	≶ <u>∩</u>	l d	ပအ	≥ O	ÄÄ	교표	<u>Ч</u>	<u> </u>
1 60 GP 48		þ							2 A A	1			ļ	ļ			
<u> </u>		-1		BASE, sand				-	$\rightarrow \rightarrow \rightarrow$]	<1	2.8	İ				
		-	LEA!	N CLAY (C 7.5YR 4/2 b	L), plasti	ic, color g	grades			1		2.6					
		-2		wish red over			al, no			1							
		E		no moisture,			,]							
Ē		-3						ļ		1							
		Ē								1	<1	2.4					
		<u>-</u> 4]							
녑		E]							
, a		-5															
2 60 GP 60		E	As ab	ove.				CL									
		-6					c. 1										
昌		E	As ab	ove; gravel a	and sand	seam at 6	b' bgs.				8.1	2.5					
		F_7															
Ī		Ė								1							
		<u>-8</u>															
冒		F T								1	20.0	2.7					Soil sample from 8.0' -
冒		<u>_</u> 9															10.0' bgs.
		þ								1							
		F -10								4							
		10	E.O.E	3. at 10' bgs.													
			1														
I hereby corr	ify that	the info	rmation o	on this form is tr	ue and com	ect to the h	est of my la	1032/201	ge			1	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Signature				, min totili is u		r	C Enviro										T 1
<u> </u>			$\langle \langle \cdot \rangle \rangle$	>		- 1 K	C EHVIRO	ımıeı	nal								Tel: Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Rc</u>	oute To:		Wastewater □ n/Redevelopment □	Waste Other	_	ement								
														Pag	ge 1	of	1
	y/Project			aet) (II))# 8680-00-()1)	License	Permit	Monitor	ring Nu	mber		Boring	Numbe	er B1	െ	
					nief (first, last)		Date D	rilling S	tarted		Da	te Drilli	ng Con	npleted			ling Method
Twi	n Dor	ta Ta	sting,	Īno				7/7	2016		-		7/7/2	Λ1 <i>6</i>		G	eoprobe
	ique W				Well ID No.	Common Well Nam	ne Final St			1	Surfac	e Elevat		010	Во		Diameter
Local	Grid Or	igin	☐ (a)	timeted	Or Po	oring Location 🖂		Feet]	MSL			Fee Local C	t MSI			2.1	inches
State 1		ıgııı			, 1,443,292			at46		13.3	886"	Local	III LOC		l		□ Е
Facilit	1/4	of	1	/4 of Sec	ction , County	T N, R	Lor County C	ng <u>-92</u>	2°5 Civil To	' 39.		/illaga	Feet	\Box s]	Feet W
racing	уш			I	Douglas		16	ode	Super		ty/ or v	mage					
San	nple						, , , , , , , , , , , , , , , , , , , ,						Soil	Prope	rties		
	t. & (in)	nts	eet			Rock Description						ve					
er ype	h Att	Cou	In F			eologic Origin For sch Major Unit		S	nic	am	Œ.	ressi	ure	 	city		nents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Lia	ich Major Ollit		USC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			-	CON	CRETE				P 4 4 9			3 32	20				
SPT	12		Ė.	SUB	BASE, sand	and gravel.											
			F 1	LEA	N CLAY (CL), plastic, 5YR	4/6				0.4	1.4					
and E			F_2	yello	wish red, no re and outsid	odor, moist, stiff e of sample wet u	; sample										****
SPT			E	retrie		core interior rela											Water trapped
			_3	dry.							0.4	1.8					beneath roadway.
E			E								0	1.0	ļ				
			-4														
			F_														
2 E	60 60		<u>-5</u>	As ab	bove.			CT		 			l				
G			<u>-</u> 6					CL									
			F °								0.3	1.8					
			F_7														
			E														
			-8	Asak	bove, very st	iff					<1	2.5					Soil sample
			E	715 40	50 ve, very st												from 8.0' - 10.0' bgs.
			<u>-9</u>														Total again
E			F														
			10	E.O.I	B. at 10' bgs	•											
		y that	the info	rmation o	on this form is	true and correct to the	best of my l	knowled	ge.								
Signat	ure	~	7)<	-	Firm T	RC Envir	onmei	ntal								Tel:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>R</u>	oute To:	Watershed/W	Vastewater □ /Redevelopment □	Waste I Other	-	ement								
														Pag	ge 1	of	1
	y/Projec				211.0.600.00		License/I	Permit/	Monito	ring Nu	ımber		Boring		er		
					D# 8680-00-0 hief (first, last) a		Date Dri	lling S	tarted		Da	te Drilli	ng Con	pleted	B20		ling Method
		•			, , ,			-						_			
	in Por				Well ID No.	Common Well Name	Final Sta		2016 ter Leve	<u>.1 T</u>	Surfac	e Elevat	7/7/20	016	Bo		Diameter Diameter
	_			ļ			1	Feet 1				Fee	t MSI				inches
	Grid Or Plane	rigin			: 🗌) or Bo [, 1,443,644	ring Location 🔯 E S/C/🕅	La	ıt <u>4</u> 6	5° 43	14.	096"	Local G	rid Loc	_	7		
Suit	1/4	of		,50 i 1 i 1/4 of Sec		T N, R		g <u>-92</u>		<u>34.</u>	001"		Feet	□ N □ S		J	□ E Feet □ W
Facilit	y ID				County		County Co		Civil T		ty/ or `	Village					
Sar	nple			T	Douglas		16	Ţ	Supe	rior		Т	Soil	Prope	erties		
		70	#		Soil/F	Rock Description								11001			1
٦ ×	Att.	ount	n Fee			eologic Origin For				g		ssive	e		<u>}</u>		nts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Ea	ch Major Unit		SCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 1-	(0	BI	Į å	CON	NCRETE			Þ	Grap	ß Ä	<u> </u>	\ <u>\2 \arg{x}</u>	<u>≱ ö</u>	<u> </u>	F Jul	<u>A</u>	<u> </u>
GP	48		F			·		-	9 4 4								
			-1		BASE, sand	and gravel. CL), plastic, 5YR 4	1/6	-		1	<1	2.8				ĺ	
GP			Ē,	yello	wish red, no	odor, no moisture	, very										
			<u>-2</u>	stiff.													
			_3		•												
=			E								<1	2.8					
			_4														
			E														
			_5	As al	bove.												
GP GP	60		F					CL									
			<u>-</u> 6								<1	2.5					
			E_7	٠٠.													
			Ė	Agal	hovo slightly	fatter and wetter	ot 7 5!					i		i.			
			-8	bgs.	oove, siigiluj	ratter and wetter	at 7.5				<1	2.0					Soil sample
																	from 8.0 [†] - 10.0' bgs.
			<u>-9</u>														
			-10											i			
			10	E.O.	B. at 10' bgs.												
		<u> </u>	<u> </u>	<u>L</u>				<u></u>						<u> </u>	<u></u>		<u></u>
I herel		ty that	the info	ormation	on this form is t	rue and correct to the b											
Signa	····· <	< (/	\geq		l' III	RC Enviro	nmer	ıtal								Tel: Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro		shed/Waster	water evelopment	Waste Other	_	ement								
						• · • · • • • • • • • • • • • • • • • •		_						Pag	ge 1	of	1
	y/Projec						License/	Permit/	Monitor	ing Nu	mber		Boring	Numbe	er		
				eet) (ID# 8680- f crew chief (first,		i r m	Date Dr	lling St	arted		Dat	e Drilli	ng Con	nleted	B22		ing Method
Dorme			valle o	t orow office (11150)	iust) unu 1			5 0					_	_			mg Would
	n Por		sting,	Inc. DNR Well ID N	Io Co	mmon Well Name	Final Sta		2016	1 1	Surface	Elevat	7/7/2	016	Do		Diameter
WI OI	uque w	CII IVO.	•	DIVIC WEILD IV	10.	illilloli Well Ivallic		Feet I		'	Surraci		t MSI	L	150		inches
Local (Grid Or	igin		timated: (1) o ,500 N, 1,444		Location 🖂	I.	nt 46	° 43	' 13.:	579"	Local G	rid Loc				
State	1/4	of		/4 of Section ,	r,105 E	N, R		g <u>-92</u>	° 5	27.	393 "		Feet	□ N □ S		J	□ E Feet □ W
Facilit	y ID			County			County Co		Civil To		ty/ or \	/illage					
San	mle			Dougla	is		16		Super	10r	Γ		Soil	Prope	erties		
Dan	_				Soil/Rock	Description							5011	Порс	Tues		1
. o	Att. & ed (i	ounts	ı Fee			gic Origin For				τ		ssive	o o		h		nts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Each M	ajor Unit		SCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	9	RQD/ Comments
		Blc	De	CONCRET) j	Grap	Well Diagr	II4	S \$	<u>ತ</u> ಬಿ	iz iz	Plastic Index	P 200	δ ² ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο
2 GP	36		-	CONCRET				ļ	9 4 4								
E			-1	SUBBASE,		l gravel. plastic, 5YR	1/6				<1	2.8					
			_	yellowish red		odor, no mois											
			<u>-2</u>	very stiff.													
			_3														
Ξ			<u> </u>								<1	2.2					
			<u>-</u> 4														
			E														
2	60		_5	As above, co	olor chan	ge to 2.5YR 4	/1 dark										
GP	60			reddish grey	with mo	ttles of origina	al 5YR	CL									
- 1-			<u>−</u> 6	4/6 yellowish	a red, stii	tt.					<1	1.9					
			- - 7														
			F'														
Ē			<u>-</u> 8														G 71 1
			-								<1	2.3					Soil sample from 8.0' -
Ē			_9														10.0' bgs.
			E														
			10	E.O.B. at 10	bgs.				1///								
					,												
		y that	the info	rmation on this for	rm is true a	and correct to the l	est of my k	nowled	ge.								
Signat	ure <	2		7		Firm T	RC Envir	onmer	ntal								Tel: Fax:
			~)													rax.

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/W			e Manage	ement								
					Remediation/	Redevelopment	Other	r 📙									
Facili	ty/Proje	ct Nan	ne				Licenso	e/Permit/	Monitor	ring Nu	mher	7	Boring	Pag Numbe		of	1
US	H 2 (E	Belkn	ap Stre		# 8680-00-0						111001		2011116	1 (dillo	B22	2H	
Borin	g Drille	d By:	Name o	f crew chi	ief (first, last) ar	nd Firm	Date D	rilling St	tarted		Dat	e Drilli	ng Con	pleted		Drill	ing Method
Tw	in Por	ts Te	sting,	Inc.				7/7/	2016				7/7/2	016		Ge	eoprobe
WI U	nique W	ell No	. <u>U</u>		Well ID No.	Common Well Nam	e Final S	static Wa	ter Leve	1	Surface	Elevat			Во	rehole	Diameter
Local	Grid O	rigin	☐ (es	timated:	Or Bori	ing Location 🛛		Feet l				Fee Local C	t MSI			2.1	inches
	Plane				1,444,104		i	Lat46		12.	887"	Loour C	nu Lo	□ N			□Е
- 11	1/4	of	1	/4 of Sect		T N, R	Lo	ng <u>-92</u>	.°5	27.		7'11	Feet	\Box s]	Feet W
Facili	ijШ				County Douglas		County C	Jode	Civil To Super		ty/ or \	illage					
Saı	nple			<u></u>			1 - 0						Soil	Prope	rties		
	% (ii)	, s	ಕ		Soil/R	ock Description			ļ.			U					
e r	Att.	ount	'n Fe		And Ge	ologic Origin For		S	0	=		essiv h	ئ <u>ہ</u>	ļ	₹		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	h Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			E	CON	CRETE			<u> </u>	0 7	N II	<u> </u>	S	20		P d		20
2 GP	48		-	SUBE	BASE, sand	and gravel; subb	ase	:									
			E,	grade	s into underl	aying clay.		$\prod_{i=1}^{n}$			<1	2.9					
=			F_2			L), plastic, 5YR odor, no moistur											
			E	stiff.	W1511 10a, 110 V	3401, 110 111015141	c, very			1							
			-3								_1	2.0					
=			E								<1	2.0		ļ			
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			E							1							
2	60		<u></u> 5	As ab	ove.]			
GP	60		E					CL									
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			F _							1							
			-/]							
			<u>-</u> 8														
			F °								<1	2.1					Soil sample from 8.0' -
=			E_9														10.0' bgs.
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				E.O.E	s. at to ogs.												
I here	by certif	y that	the info	rmation o	on this form is tr	ue and correct to the	hest of my	knowled	ge.	<u>L</u>	<u></u>		L		<u>L</u>		
Signa		- mai	7		Sin and total is the		RC Envi										Tel:
				> ~	\triangleright												Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/W Remediation/	astewater Redevelopment	Waste Other	_	ement								
														Pag	e 1	of	1
	y/Proje			-4) (ID	ли осол ол о	1)	License/	Permit/	Monito	ring Nu	mber		Boring	Numbe) I	
					0# 8680-00-0 nief (first, last) ar		Date Dr	Iling St	tarted		Dat	te Drilli	ng Con	pleted	B2:		ing Method
	_	-		_										_			_
	n Por		sting,		Well ID No.	Common Well Nam	e Final Sta		2016 ter Leve	1	Surface	e Elevat	7/7/20	016	Bo		eoprobe Diameter
****	aque "	011110	•		,, on 12, 110.			Feet I			our ruo		t MSI	_			inches
Local State	Grid O	rigin			☐) or Bor , 1,444,026			nt <u>46</u>	5° 43	' 14.	105 "	Local G	rid Loc				
State	1/4	of		,333 IN, /4 of Sec	•	T N, R	1	g <u>-92</u>		28.			Feet	□ N □ S			L E Feet □ W
Facilit					County		County Co	ode	Civil To	own/Ci		Village			· · · · · · · · · · · · · · · · · · ·		
	. 1.		1		Douglas		16		Supe	rior		1	G . 11	D			T
San					Co:1/D	a als Doganisation							5011	Prope	rues		<u> </u>
	.tt. & d (in)	unts	Feet			ock Description ologic Origin For						sive					23
lber Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			h Major Unit		CS	hic	ram	FID	Compressive Strength	sture	t id	icity x	0	men.
Number and Type	Leng Reco	Blov	Dept			v		n S	Graphic Log	Well Diagram	PID/FID	Compres Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	60 24			CON	CRETE				0 0 0								
	24		1	SUB	BASE, sand	and gravel; subb	ase										
			- 1		s into underl		<u></u> /				<1	3.5					
2 GP			-2	brown	N CLAY (C n. earthy-swe	L), plastic, 7.5Y eet odor, no mois	K 4/2 ture.			1							
			Ē	very		, ,											
			_3					CL									
			F									1					
			-4	As ab	ove, clay un	derlain by rotting	ŗ			1							
					ers; black, da		,]							
2	60		<u></u> 5			D SAND (SW),	fine to										
GP	18	!	F			b-rounded to sive, 7.5YR 3/2 (lark									- %	
			- 6		n, no odor, n		iaik	sw			1.1	3.2					
			- -7						*****								`
			F '					ļ									
			E_8			L), plastic, 5YR odor, no moisture				1		1,5					G 11 1
			E	yono	wish roa, no	odor, no moistar	o, still.			1	<1	1.7					Soil sample from 8.0' -
			_9					CL									10.0' bgs.
			_														
			-10	E.O.I	B. at 10' bgs.				1//	1							
I hereb	v certif	Ty that	the info	rmation o	on this form is to	ue and correct to the	hest of my b	nowled	ge.			<u></u>			L		
Signat	-	., aiai		. manon (On this total is th	lan	RC Envir										Tel:
				_	5	1											To.,

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>	oute To:	Watershed/W			_	ement								
					Remediation/	Redevelopment	Other	Ш									
														Pag		of	1
Facilit	-			aat) (ID	# 8680-00-0	1)	License/	Permit/	Monito	ring Nu	mber		Boring	Numbe	эт В 22) T	
					ief (first, last) ar		Date Dr	illing St	arted		Dat	te Drilli	ng Con	pleted	1022		ing Method
				_													_
WI Un			sting,		Well ID No.	Common Well Name	Final Sta		2016	1 5	Surface	e Elevat	7/7/2	016	Bo		eoprobe Diameter
****	ique W	ÇII I VO	•		Wen 115 140.	Common went vame	i	Feet l		"	Juliuc		t MSI	L			inches
Local		igin) or Bor		T.	at46	° 43	' 14.0)87"	Local C	rid Loc				
State 1	Plane 1/4	of		,331 IN, 1/4 of Sec	1,444,103	E S/C/(Ñ) T N, R		g <u>-92</u>		27.4			Feet	□ N □ S		Т	□ E Feet □ W
Facility		OI.			County	1 14, K	County Co	ode		own/Cit		/illage	Teet	L. 5			rect 🗆 w
					Douglas		16		Super	rior							
_San	ple												Soil	Prope	rties		
	t. & 1 (in)	nts	eet			ock Description						ive					
oer ype	h At verec	Con	l In I			ologic Origin For h Major Unit		S	nic	am	Ű	oress gth	int e	 	city	_	nent
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Duc	n wajor ome		USC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			E	CON	CRETE				0 a a a			0 02	20				
1 GP	48		Ę,	SURI	RASE sand	and gravel; subba	se							l 		i	
Ē			F	grade	s into underl	aying clay.					0.7	2.6				ı	
			-2	LEA	N CLAY (C	L), plastic, 5YR	4/6										
			 	stiff.	wish rea, no	odor, no moisture	, very									İ	
			<u>-3</u>							1 1					:	ı	
E			E]	0.3	2.4				ı	
			-4													!	
Ē			E													1	
2 🗏	60		_5	As ab	ove											ı	
2 GP	60		-	115 00	,040.			CL									
			- 6	As ab	ove, wet san	aple sleeve from 6	5' to 7.5'				0.3	2.4					
			E	interv	al; sample co	ore itself in this in	iterval is									:	
			<u></u> −7	of sin	niiar moistur	e to rest of sample	e.										
			F .							1							
			-8	As ab	ove, stiff.						0.3	1.8					Soil sample from 8.0' -
			<u>-</u> 9										:				10.0' bgs.
			Ė										į				
			-10	F 0 I	2 . 1011			<u> </u>									
				E.O.F	3. at 10' bgs.												
;																	
		y that	the info	rmation o	on this form is tr	ue and correct to the b	<u>-</u> _										
Signat	ure	<	2)	Firm TI	RC Envir	onmer	ntal								Tel: Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>R</u>	oute To:	Watershed/W			Waste I	_	ement								
					Remediation/	Redevelopn	nent 🔲	Other	Ц									
Facilit	y/Projec	et Nan	ne					License/I	Permit/	Monitor	ring Nu	mber		Boring	Pag Numbe		of	<u>l</u>
US	H 2 (B	Belkn	ap Str		D# 8680-00-0											B 2:		
Boring	Drilled	l By:	Name o	f crew cl	hief (first, last) a	nd Firm		Date Dri	lling St	arted		Da	te Drilli	ng Con	npleted		Drill	ling Method
Tw	in Por	ts Te	sting,	Inc.					7/7/	2016				7/7/2	016		G	eoprobe
	nique W				Well ID No.	Common	Well Name	Final Sta			:1	Surfac	e Elevat			Во		Diameter
Local	Grid Or	igin	☐ (e	stimated:	: 🗌) or Bor	ing Location	n 🛛	<u> </u>	Feet l				Fee Local C	t MS			2.1	inches
State		-6			i, 1,444,073		C/®	La			<u>' 14.</u>	093"			□ N	ī		□Е
Facilit	1/4	of		/4 of Se		T N	, R	Long County Co	-92			'.85"	7:11	Feet	□s		.]	Feet W
Facilit	уш				County Douglas		F	County Co 16	ae	Civil To Super		ty/ or v	v mage					
San	nple													Soil	Prope	erties		
	% (ii)	Si	ig		Soil/R	ock Descrip	otion						و					
be if	Att.	onn	In Fe			ologic Orig			S	S	8	۵	essiv h	e +		ξ <u>t</u>		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	ch Major Ur	nit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 🗏	60	В	F	CON	NCRETE)	D T	≱ Q	ы	OS	CK	11	II P		<u> </u>
GP	48		Ē.	SUR	BASE, sand	and oray	el enhhae		l									
			- 1 -	grade	es into underl	aying cla	y.					<1	4.0					
			_2		N CLAY (C ish grey, no o													
			E	stiff.				•										
			_3	As al 2.5' t	bove, black o	rganic ric	ch 2" seam	n at]	-1	2.6					
			E	2.5	ogs.							<1	2.6					
			-4															
			F															
2			<u>-</u> 5	As al	bove; slightly	softer an	nd fatter w	rith			}							
GP	48		Ē	deptl					CL									
			<u></u> 6									<1	2.5					
			F _								1						1	
			- 7]					·		
			-8															
			E	As al	bove, stiff.							<1	1.3					Soil sample from 8.0' -
			<u>_</u> 9								1							10.0' bgs.
			E								1							
E			-10	FO	B. at 10' bgs.					<i>YZZ</i>								
				2.0.	D. at 10 Ogs.													
I herel	y certif	y that	the info	rmation	on this form is t	rue and corr	ect to the be	st of mv kr	nowled	ge.	1	<u> </u>	1	<u> </u>	<u> </u>	<u> </u>	<u></u> _	
Signat		<i>,</i>	7					C Enviro										Tel:
				\/-	_>_													Fax:

SOIL BORING LOG INFORMATION

Fax:

Form 4400-122	Rev. 7-98

			Ro	oute To:	Watershed/W	astewater	Waste	Manag	ement								
					Remediation/	Redevelopment	Other										
														Pag	e 1	of	1
	y/Proje						License	/Permit/	Monitor	ring Nu	mber		Boring	Numbe	r		
					0# 8680-00-03 nief (first, last) ar		D.4. D.	:11: C			ID-	D.:11:	C	1.4.1	B2		· . X d 1
Вопп	gDnile	а ву:	name o	or crew cn	nei (first, last) ar	ia riim	Date Dr	illing S	artea		Dai	te Drilli	ng Con	ipietea		Drill	ing Method
Tw	in Por	ts Te	sting,	Inc.				7/7/	2016		1		7/7/20	016		G	eoprobe
WI U	nique W	/ell No).		Well ID No.	Common Well Name	Final St			1	Surface	e Elevat			Во	rehole	Diameter
1	0.110							Feet 1	MSL		····		t MSI			2.1	inches
	Grid O	ngın			☐) or Bori , 1,444,670		L	at <u>46</u>	° 43	<u>' 14.</u>	069 "	Local G	ria Loc				
	1/4	of		1/4 of Sec		T N, R	Lon	ıg <u>-92</u>	<u>.°5</u>	<u>' 19.:</u>	<u> 271 "</u>		Feet	□ N □ S			□ E Feet □ W
Facili	y ID				County	· · · · · · · · · · · · · · · · · · ·	County Co		Civil To		ty/ or \	/illage					
					Douglas		16		Super	rior							
Sar	nple												Soil	Prope	rties		
	% (ii)	ıts	eet			ock Description						ve					
pe r	Att	Cour	In F	l		ologic Origin For		S	.	8	Д	essiv	rt Te		ity		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	h Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Z g		B	Ä	003				D	<u>53</u>	ŘÃ	IZ.	Stu	Σိ ပိ	iž ij	Pla Inc		¥3
1 GP	60 30		E	CON	CRETE				V 4 4								
			<u>-</u> 1	SUB	BASE, sand	and gravel.			XX				÷				
			F			L), plastic, 5YR					4.2	2.3					
Ē			F -2	yellov stiff.	wish red, no	odor, no moisture	, very										
			 	Suit.	•							<u>'</u>					
			F ₂														
			-3								0.9	3.1					
			<u> </u>														
			-4		•												
			E														
2 GP	60		<u></u>	As ab	ove.												
GP	60		F					CL									
			<u>-</u> 6				•				<1	2.75					
=			-									2.75					
			- 7	·													
=			E														
			-8														
		l	F								<1	3.0					Soil sample from 8.0' -
=			<u>-</u> 9														10.0' bgs.
			 														
			F 10											}			
_			10	E.O.I	B. at 10' bgs.												
			<u> </u>	<u> </u>					1				L				<u> </u>
		fy that	the info	rmation o	on this form is tr	ue and correct to the b											
Signat	ure	<	7	7	>	Firm TI	RC Envir	onmer	ıtal								Tel:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro		hed/Wastewater liation/Redevelopr		Waste I Other	_	ement								
														Pag		of	1
	ty/Projec			eet) (ID# 8680-	-00-01)		License/I	Permit/	Monitor	ing Nu	mber		Boring	Numbe	B2'	7Δ	
				f crew chief (first,			Date Dri	lling St	arted		Da	te Drilli	ng Con	pleted	102		ing Method
Tw	in Port	s Te	sting]	Inc				7/7/	2016				7/7/2	016		G	eoprobe
	nique W			DNR Well ID N	o. Common	Well Name	Final Sta	tic Wat	ter Leve	1	Surfac	e Elevat	ion		Во	rehole	Diameter
Local	Grid Or	ioin	☐ (es	stimated: () o	r Boring Locatio	n 🔽		Feet 1	MSL_			Fee Local C	t MSI			2.1	inches
	Plane	ıgııı		,532 N, 1,444		C/(N)		t <u>46</u>		14.0	064"	Local		□N			□Е
Facili	1/4	of	1	/4 of Section ,	TN	, R	Long County Co	-92	° 5 Civil To	' 18.0		Village	Feet	□ s			Feet W
raciii	iy ID			Dougla	s		16	de	Supe		ty/ OI	village					
Sar	nple												Soil	Prope	rties		
	. & (ii)	nts	eet		Soil/Rock Descrip	•						ve					
ype ype	h Att	Com	In F	Α	And Geologic Orig Each Major Ur			S	. <u>2</u>	am	А	ressi	ure		city		nents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Each Major Of	iiit		usc	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	+	<u> </u>		CONCRET	E				J A A A	<u> </u>	<u> </u>	0 8		нн	F	<u> </u>	
GP	48		F .	SUBBASE.	sand and grave	 el.											
			- 1	LEAN CLA	Y (CL), plasti	ic, 5YR 4					2.4						
			_2	yellowish rec stiff.	d, no odor, no	moisture,	very										
			E														
=			_3								2.4						
			<u> </u>								2.4						
			-4	:													
=								CL									
2 GP	60		<u></u> 5	As above.													Hit water
GP	0		-														lateral while boring 5' -
=			- 6														10' interval; sample
-			- 7														continiously soaked with
			<u> </u>														city water; no PID
			-8	Hit unmarka	d water lateral	· horing			1///								possible from 5'-10'.
			-	abandoned at	t ~8' bgs.	, boring		•									
			<u>_</u> 9		_												
L			10														
I here	by certif	y that	the info	rmation on this for	m is true and corr	ect to the be	est of my kr	nowled	ge.			•					
Signa	ture		2	3		Firm TR	C Enviro	nmer	ntal			***					Tel: Fax:

SOIL BORING LOG INFORMATION

esources Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/Watershed/Watershed	astewater	Was	te Manag	ement								
					Remediation/	Redevelopment	Othe	er 🗌									
														Pag	e 1	of	1
Facilit	y/Proje	ct Nam	ne				Licen	se/Permit	/Monito	ring Nu	ımber		Boring	Numbe	er		
					# 8680-00-0										_B2		
Boring	g Drilleo	d By : 1	Name o	f crew chi	ief (first, last) ar	nd Firm	Date I	Drilling S	tarted		Dat	te Drilli	ng Con	npleted		Drill	ling Method
Twi	n Dor	to Tee	sting,	[no				דוד	/2016				7/7/2	016		G	eoprobe
	ique W				Vell ID No.	Common Well Nam	ne Final	Static Wa		el l	Surface	Elevat		010	Bo		Diameter Diameter
	•							Feet	MSL			Fee	t MSl	L	ŀ	2.1	inches
	Grid Oı	rigin			O or Bori		1	Lat4	° 43	3' 14.	048"	Local C	rid Loc	cation	'		
State		_			1,444,921	_	II						_	□ N			□ E
Facilit	1/4	of	1	/4 of Sect	tion , County	T N, R	County	ong <u>-92</u>	Civil T	15.		/illogo	Feet	□ s]	Feet W
raciii	уш				Douglas		16	Coue	Supe		ity/ Of V	mage					
San	nple				2045143		10		Jupe				Soil	Prope	erties		
					Soil/R	lock Description											-
4	tt. &	unts	Fee			eologic Origin For						sive					ts
Sype Specification	th A	ညိ	h In			ch Major Unit		CS	hịc	Lam	Ð	pres	ture	. E	icity		men
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet					O S (Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			-	CON	CRETE			<u> </u>	200		-	0 07	20				<u> </u>
GP	48		Ē						2 4								
E			-1		BASE, sand	and graver. L), low plasticity	., 2 5VD	-/	\overrightarrow{V}		4,096	3.6					
Ē			_	3/1 da	ark reddish g	grey, petroleum o	y, 2.3 1 N dor. no	`			'						
녈			<u>-</u> 2		ure, stiff to v		,						ļ		ĺ		
			F														
			-3								3,704	1.8					
E			E								3,704	1.0					
			<u>-</u> 4	· . 1	• , 1	1.6 01. 511	1										
Ē			_			l from 3' to 5' bgs , slightly less pet				}							
			- -5	odor.	mi plasticity,	, slightly less per	ioicuiii			}							
2 GP	60 60		F					CL		1					\		
			<u>-</u> 6							1			i				
Ē			F 0							1	3,751	3.25					
			F _			and fatter over 6'	to 7' bgs	3		1							
			<u></u> 一7	interv	al.					1							
			L							1							
			- 8							1	185.4	1.6					Soil sample
			E							1							from 8.0 [†] - 10.0' bgs.
=			⊢ 9							1							
			Ē	As ab	ove: higher	plasticity from 9'	to 10'			1							
			10	∖bgs.		-			1//	1							
				E.O.B	3. at 10' bgs.			_									
		L														<u> </u>	<u></u>
	•	fy that	the info	rmation o	n this form is tr	rue and correct to the	best of my	knowled	lge.								
Signat	ure		>	\geq		Firm T	RC Env	ironme	ntal						-		Tel:
			`	,	~	l l											Have

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	ute To:	Watershed/V	Vastewater /Redevelopment	Waste :		ement								
					Remediation	/redevelopment	Outer							Pag	e 1	of	1
-	y/Projec						License/	Permit/	Monitor	ring Nu	mber	13	Boring	Numbe	r		
					# 8680-00-0 ief (first, last) a		Date Dri	lling St	orted		Dot	e Drilli	na Con	nleted	B28		ling Method
Domig	g Dimec	1 15 y. 1	Name o	i ciew cii	ici (ilisi, iasi) e	aid fuiii	Date Di	ming 50	aricu		Dai	e Dillii	ng Con	ipicicu		Dim	ing Method
			sting,						2016				7/7/2	016			eoprobe
WI Un	ique W	ell No.	•	DNR V	Well ID No.	Common Well Name	1	itic Wai Feet I		1	Surface	Elevat	ion t MSI	r	Bo		Diameter inches
Local	Grid Or	igin	(es	stimated:	☐) or Bo	ring Location 🛛				• • •		Local G				2.1	ilicites
State 1	Plane		573	,528 N,	1,444,849	E = S/C/N		at <u>46</u>		<u>' 14.0</u>				□ N			□ E
Facilit	1/4	of	1	/4 of Sec	ction ,	T N, R	Lon County Co	g <u>-92</u>	Civil To	<u>' 16.'</u>		/illaga	Feet]	Feet W
racini	уш				Douglas		16	de	Super		ty/ Ot v	illage					
San	nple												Soil	Prope	rties		
	& (in)	ī	et		Soil/I	Rock Description						မွ					
r Pe	Att.	oun)	n Fe		And G	eologic Origin For		S	0	я	۵	essiv h	2 ±		\$		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Ea	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	_	B	Ď	CON	CDETE			n	Grap	Well Diag	II.	<u> 2 %</u>	ž 3	<u> </u>	F H	P.	<u> </u>
1 GP	60 60		E		CRETE				9 4 4				ļ				
GP 2 GP GP			_1		BASE, sand		,		\rightarrow		1.4	3.2					
E			F	LEAL 5YR	N CLAY (C 4/4 reddish	CL), medium plast brown, petroleum	icity, odor				1,,,	,					
			-2	no mo	oisture, very	stiff.	0.001,										
Ē			E							1							
			- 3							1	820	2.3					
•			Ē]							
			- 4														
			E														
2	60		<u></u>	As ab	ove, color c	change to 5YR 4/6											
GP	60			yellov	wish red.	•		CL		1							
			<u>⊢</u> 6							1	1443	2.0					
			- 7							}							
			- /]							
Ē			<u>-</u> 8														
			F								456	2.1					Soil sample from 8.0' -
			_ _9							1							10.0' bgs.
Ē			Ē							1							
E			10	EOI	2 at 10! has			1	1//	1							
				E.U.E	3. at 10' bgs	•											
_		···															
	*	y that	the info	rmation o	on this form is	true and correct to the b	est of my k	nowled	ge.								
Signat	ure	<	\leq		\geq	Firm TI	RC Envir	onmei	ntal								Tel: Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

		•	<u>R</u> c	oute To:		astewater Redevelopment	Waste l Other	_	ement								
														Pag	·	of	1
	ty/Projec			eet) (IT	D# 8680-00-01	1)	License/I	Permit/	Monitor	ring Nu	mber		Boring	Numbe	ет В 28		
					hief (first, last) ar		Date Dri	lling St	arted		Dat	e Drilli	ng Con	npleted			ing Method
Tw	in Por	ts Te	sting,	Inc.				7/7/	2016				7/7/2	016		Ge	eoprobe
WI U	nique W	ell No).	DNR	Well ID No.	Common Well Name		tic Wa	ter Leve	1	Surface	Elevat	tion		Bo	rehole l	Diameter
Local	Grid O	igin	☐ (e	stimated:	· 🗆) or Bor	ing Location 🖂		Feet 1					t MSI			2.1	inches
	Plane				, 1,444,942			t <u>46</u>			3.6"		nia zoc	□ N			□Е
D 11'	1/4	of	1	/4 of Sec		T N, R	Long	g <u>-92</u>	<u>.° 5</u>	<u>' 15.</u>		7'11	Feet	\Box s		J	Feet W
Facili	ijШ				County Douglas		County Co	ae	Civil To Super		ty/ or \	'illage					
Sar	mple		T	<u>_</u>	Douglas				Jupon				Soil	Prope	erties		
	% (ii)	sa	t		Soil/R	ock Description						a)				ĺ	
_ s	Att. red (ount	n Fe		And Ge	ologic Origin For				п		SSiV	9		Er.		nts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	h Major Unit		USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP		Щ	E	CON	NCRETE			-	I ~ § q	7 11	<u> </u>	O S	20	11	H H		<u> </u>
<u></u>			<u>E</u> 1	SUB	BASE, sand	and gravel.											
			Ė ^	LEA	N CLAY (C	L), plastic, 5YR 4	1/6				1330	2.25					
=			-2	very		roleum odor, no m	ioisture,										
			E														
=			_3								2640	3.25					
			F								2010	3.23					
Ē			-4														
=			Ė														
2 GP	60		_5	As al	bove, decreas	eing petroleum od	lor with										
GP	60		E	deptl				CL									
E			-6								1802	2.25					
			E	į.													
=			- 7														
			-							1							
			- 8								640	2.1					Soil sample from 8.0' -
=			<u>-</u> 9							1							10.0' bgs.
			 														
			F ₁₀														
				E.O.	B. at 10' bgs.												
																ı	
							····										
	-	y that	the info	rmation	on this form is tr	ue and correct to the b	est of my kr	nowled	ge.					_			
Signa	ture		2			Firm TR	RC Enviro	nmer	ntal								Tel: Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Rc</u>	watershed/Watershed	astewater Redevelopment	Waste I	_	ement								
													Pag		of	1
	y/Projec			1) (TD !! 0 (00 00 01	1)	License/	Permit/	Monitor	ing Nu	mber		Boring	Numbe		ОТ	
				eet) (ID# 8680-00-01 of crew chief (first, last) are		Date Dri	lling St	tarted		Dat	e Drilli	ng Con	nleted	B2		ing Method
عست	, 2111100		· · ·	r orom omer (mos, moe) ur		Daile Di	6 5	an iou			· 211111		-protou			mg momou
			sting,	Inc.			7/7/	2016		ŀ		7/7/2	016		Ge	eoprobe
WI Ur	ique W	ell No.		DNR Well ID No.	Common Well Name	l .			1	Surface	Elevat		-	Во		Diameter
r 1 -	O: 1 O			stimated:) or Bori	Januari en N		Feet I	MSL			Fee Local G	t MSI			2.1	inches
State :	Grid Or Plane	ıgın		419 N, 1444,943		La	_{it} <u>46</u>	<u>6° 43</u>	<u> </u>	13"	Local G	ma Loc				П.
State .	1/4	of		1/4 of Section	T N, R	Lon	g <u>-92</u>	<u>.° 5</u>	<u>'</u> 15.	319"		Feet	□ N □ S		1	□ E Feet □ W
Facilit				County		County Co		Civil To	own/Ci	ty/ or V	illage					
			,	Douglas		16		Super	ior							
San	•											Soil	Prope	rties		
	Length Att. & Recovered (in)	ts.	듛	Soil/Re	ock Description						ပ္					
_ e	Att. red (omp	n Fe	And Ge	ologic Origin For		l		d		ssiv	ر بو ا		<u> </u>		uts
Number and Type	gth	Blow Counts	Depth In Feet	Eac	h Major Unit		CS	phic	ll gran	PID/FID	Compressive Strength	istur	nit nit	Plasticity Index	00	D/ Dime
Number and Typ	Len Rec	Blo	Dep				n S	Graphic Log	Well Diagram	M M	Compress Strength	Moisture Content	Liquid Limit	Plastic Index	P 200	RQD/ Comments
1 =	60		E	CONCRETE				4 4 9								
GP =	36			SUBBASE, sand	and grazal		-			1						
Ē			-1	WELL-GRADEI		ing to		· · · · · · ·		22.7	0.75					
Ξ			F	coarse grained, sul	brounded, cohesiy	ve. 2.5Y	SW									
Ē			<u>-</u> 2	√ 6/3 light yellowish				///								
			E	moisture.	·											
			<u>-</u> 3	LEAN CLAY (C	L), plastic, 5YR 4	4/6										
Ξ			F	yellowish red, slig moisture, very stif		r, no				357.3	2.2					
			Εa	moisture, very sur	1.									Ì '		
			- "													
E			F _													
2 GP	60		-5	As above.												
GP	60		E													
Ē			<u></u> 6				CL			1844	2.3					
Ē			_													
E			F-7													
			E													
			<u>-</u> 8													
			F							77.8	2.25					Soil sample from 8.0' -
Ē			<u>_</u> 9													10.0' bgs.
			E													
Ē			F				İ									
			-10	E.O.B. at 10' bgs.												
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I herel	y certif	y that	the info	ormation on this form is tr	ue and correct to the b	est of my k	nowled	.ge.								
Signat	-				T	RC Enviro										Tel:
	(_	\searrow	/2		LIIVII	-1111 U I	1								Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			<u>Ro</u>	ute To:	Watershed/W Remediation/	astewater Redevelopment	Waste Other	_	ement								
- 40		. 37			 		1							Pag		of	1
	y/Project			at) (II	D# 8680-00 - 03	1)	License/	Permit/	Monito	ring Nu	mber		Boring	Numbe	т В В2	QΤ	
					hief (first, last) ar		Date Dri	illing S	tarted		Dat	te Drilli	ng Con	npleted	. 1020		ing Method
Twi	n Por	ts Te	sting, l			ra.			2016	-			7/7/2	016			eoprobe
WI Ur	ique W	ell No		DNR	Well ID No.	Common Well Name		itic Wa Feet]			Surface	e Elevat	tion et MSI	r	Во		Diameter inches
Local	Grid Or	rigin	(es	timated:	: []) or Bor	ing Location 🛛						Local C				2.1	inches
State					[, 1,445,012]					<u>' 14.</u>	074"			□N			□Е
F '1'	1/4	of	1	/4 of Se		T N, R		g <u>-92</u>		14.		V111	Feet	\Box s			Feet W
Facilit	уШ				County Douglas		County Co	ode	Civil To Super		ty/ or \	/illage					
San	nple				Douglas		10	T	Jupe				Soil	Prope	erties		
					Soil/R	ock Description											
4)	۸tt. ط ed (i	unts	Fee			ologic Origin For						sive			_		tts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			h Major Unit		SCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				CON	NCRETE			D	0 7	×Ω	Д	OS	20	11	П	Ь	~ C
1 GP	48		Ė.				<u>-</u> -		2 4		l			 			
E			-1		BASE, sand		110		$\rightarrow \rightarrow$; <1	3.25					
1 GP			F	vello	wish red. no	L), plastic, 5YR 4 odor, no moisture	4/6 L verv				: 7						
E			<u>-</u> 2	stiff.	ŕ	•		1									
			E	As al	bove; slight o	dor at 1' bgs and of 3/2 brown related	color d to										
			-3			olor back to domi					<1	2.5					
			E	5YR	4/6 and no o	dor at 2' bgs.											
E			-4														
Ē				,								E					
2	60		_5	As al	hove									,			
GP	60		E					CL									
1-	i I		<u>-</u> 6								<1	2.6					
			Ė														
			<u>-</u> 7														
			-														
			<u>-</u> 8								<1	2.5					Soil sample
			F														from 8.0 [†] - 10.0' bgs.
			<u>-</u> 9														10.0 Ugs.
			F														
=			-10	E.O.	B. at 10' bgs.				<u> </u>								
				2.0.	10 050.												
		y that	the info	rmation	on this form is tr	ue and correct to the b	est of my ki	nowled	ge.								
Signat	ure <	< <				Firm TF	RC Enviro	onmer	ntal								Tel:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro		Vastewater		_	ement								
				Remediation	Redevelopment	Other										
<u> </u>	/D :	. 37									7.		Pag		of	1
	y/Projec H 2 (F			eet) (ID# 8680-00-0	1)	License/	Permit/	Monitor	ng Nu	mber]	Boring	Numbe	эт В 28	RK	
				f crew chief (first, last) a		Date Dri	lling St	arted		Dat	e Drilli	ng Con	pleted			ing Method
Twi	in Por	te Tec	sting, l	Inc			7/7/	2016				7/7/20	016		G	eoprobe
WI Ur	nique W	ell No.		DNR Well ID No.	Common Well Name	Final Sta			1 :	Surface	Elevat		010	Bo		Diameter
							Feet l	MSL				t MSI			2.1	inches
Local	Grid Or Plane	ıgın		timated:		La	t46	<u>43</u>	<u>' 14</u>	1.73 "	Local G	ma Loc	ation N			□ Е
	1/4	of		/4 of Section ,	T N, R	Long	g <u>-92</u>	<u>5</u>	<u>' 15.:</u>			Feet	\Box s]	Feet W
Facilit	y ID	-		County	·-	County Co	de	Civil To		ty/ or \	illage					
San	nple			Douglas		10		Super	101	<u> </u>	<u> </u>	Soil	Prope	erties		
	•		٠,	Soil/R	Lock Description							Jon	11000	T T T		
. 0	Att. 2 ed (i	ounts	. Fee		eologic Origin For				_		ssive	63		 -		ats
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Eac	ch Major Unit		CS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments
	Ler	Blo	Deg				S D	Grap Log	Well Diagr	II.	Stre	Ço Vo Vo Vo	Liquid Limit	Plastic Index	P 2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1 GP	60 42		E	CONCRETE				D A A A			ļ					
			- -1	SUBBASE, sand						1.6	20					:
			E	LEAN CLAY (C	CL), plastic, 5YR 4 ght petroleum odor					1.6	2.0					·
Ē			_2	moisture, stiff.	gni penoleum odol	., 110										
			_				l.									
			-3	As above, gravel	and sand seam from	m 2' to				4.2	1.25					
			F .	4' bgs.								 				
			<u>-4</u>													
	1 1		- -5													
2 GP	60 36		L	As above; 5' to 10)' bgs feature four of y seams with petro	distinct	CL									
E			- -6	odors and black s		neum										
			E							2.4	0.5					
			-7													
E			E													
			-8	As above, increas	ed sand content.					1.1	0.2					Soil sample
			<u> </u>	1 10 000 (0, 11101000												from 8.0 [†] - 10.0' bgs.
			-9 -		y becomes fatter, v	vetter										
			F	below 8' bgs.												
			-10													
herel	y certif	y that t	the info	rmation on this form is t	rue and correct to the b	est of my ki	nowled	ge.								
Signat	ure (2	>	Firm TR	C Enviro	nmer	ntal								Tel:
			_					_								Fax:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	watershed/W Remediation	/astewater /Redevelopment	Waste I Other		ement										
													Pag		of	1		
	y/Proje			eet) (ID# 8680-00-0	1)	License/Permit/Monitoring Number Boring Number B28L												
				f crew chief (first, last) a	Date Dri	lling St	arted		Dat	te Drilli	ng Con	pleted	Drilling Method					
Tw	in Por	ts Tes	sting,]	Inc.		7/7/	2016			7/7/2016					Geoprobe			
	nique W			DNR Well ID No.	Common Well Name	l l			1	Surface	face Elevation Bo					orehole Diameter		
[000]	Grid Or	iain		stimated: or Bo	ring Location M		Feet 1	MSL		1	Feet MSL Local Grid Location					2.1 inches		
	Olid Ol Plane	ıgııı		,627 N, 1,444,956		La	t46	<u>6° 43</u>	<u>'</u> 15.	054"	4" Local Grid Location N					□ Е		
	1/4	of	1	/4 of Section ,	T N, R		g <u>-92</u>		<u>' 15.:</u>			Feet	\Box s		Feet W			
Facilit	уD			County			County Code Civil Town/City/ or Village											
Sar	nple		T	Douglas		16		Super	ior			Soil	Prope	rties				
<u> </u>	Ι*			Soil/R	Rock Description								Порс	11105				
4)	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		eologic Origin For						sive			>		tt st		
lber Type	gth A	v Co	th In		ch Major Unit		CS	hic	ram [PID/FID	opres ngth	sture	ig .t.	Plasticity Index	0)/		
Number and Type	Length Att. Recovered	Blov	Dept				S O	Graphic Log	Well Diagram	PID/	Compressive Strength	Moisture Content	Liquid Limit	Plastic Index	P 200	RQD/ Comments		
1 GP	60 60		E	CONCRETE				444										
GP [00		F.	SUBBASE, sand	and gravel.		1											
			E'	LEAN CLAY (C	CL), plastic, 5YR 4	4/6				0.8	1.1							
			_2	yellowish red, no very stiff.	odor, no moisture	, stiff to												
			F 2	Subbase beneath:	leum]						
Ė				odors, black stain	ing; subbase grade	s from												
			F 3	1 to 2 bgs from s	ubbase to lean cla					0.3	2.25							
			E_4				Ì						:					
=			Ė.															
	-		_ _5				:						:					
2 GP	60 60		E	As above.			CL			0.4	2.5							
			-6															
=			E							0.4	2.5							
=			<u> </u>						Ì							Ì		
			E						1									
			-8						1	0.5	2.2					Soil sample		
			-]	0.5	2.2					from 8.0 [†] -		
=			<u>_</u> 9													10.0' bgs.		
			F															
L.			-10	E.O.B. at 10' bgs.			1	<u> </u>	1									
		<u></u>	1					<u></u>			1			<u>L</u>		<u></u>		
				rmation on this form is t														
Signa	ure		2	15	Firm TI	RC Enviro	nmer	ntal								Tel: Fax:		

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	oute To:	Watershed/W	astewater Redevelopment	Waste Other	Manage	ement												
														Pag	e 1	of	1				
_	//Projec					License	License/Permit/Monitoring Number Boring Number														
					# 8680-00-0	Date Dr	B36P Date Drilling Started Date Drilling Completed Drill									ing Method					
Boring Drilled By: Name of crew chief (first, last) and Firm								_													
Twin Ports Testing, Inc. WI Unique Well No. DNR Well ID No. Common Well Name								7/7/ atic War	Surface	e Elevat	7/7/20	016	Bo	Geoprobe Borehole Diameter							
WI OII	ique w	en No	•	DINK	Well ID No.	Fillal St	Feet 1		Surraci		t MSI		100	2.1 inches							
	Grid Or	igin) or Bor	T	at46	° 43	' 14.	042"	" Local Grid Location										
State 1	Plane 1/4	of		,45 / IN, ./4 of Sec	1,447,502		Long <u>-92° 4' 38.606"</u>							□ N Feet □ S							
Facility			•	(County	T N, R	County C	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$													
C	1.		T		Douglas		16	16 Superior Soil Properties													
San	1				C =: 1/D	a ala Dagawinstian							2011	Prope	rties						
	tt. &	unts	Feet			ock Description ologic Origin For						sive					ıts				
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			h Major Unit		CS	hic	Well Diagram	PID/FID	Compressive Strength	Moisture Content	iid it	Plasticity Index	0)/ Imen				
Number and Type	Leng	Blov	Dep				_	n s	Graphic Log	Well Diagr	OII	Con	Moi Con	Liquid Limit	Plastic Index	P 200	RQD/ Comments				
	60 48		-	CON	CRETE				4 4 A												
			E ₁		BASE, sand							0.77									
			E	LEA	N CLAY (C wish red, no	4/6] .	1.2	2.75										
			_2	stiff.	wish icu, no	odor, no moisture	, very														
					Ė																
			<u>-3</u>								5.4	3.4 3.2									
2 GP			-4																		
			_5																		
2 GP	60 60			As ab	oove.			CL													
			F ₆																		
							E							{	1.3	2.25					
			_7																		
			-]											
			F-8							1	<1	3.0					Soil sample				
			E							1							from 8.0 [†] - 10.0' bgs.				
			<u></u>]											
			-10																		
				E.O.E	3. at 10' bgs.																
			1																		
	-	y that	the info	rmation c	on this form is tr	ue and correct to the b	est of my k	cnowled	ge.												
Signat	ure		2			Firm TI	RC Envir	onmer	ntal								Tel:				

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	oute To:	Watershed/W Remediation/	astewater Redevelopment	Waste I Other	_	ement									
														Pag		of	1	
	ity/Proje			aet) (II):	# 8680-00-0	License/Permit/Monitoring Number Boring Number B5D												
					ief (first, last) ar	Date Dri	lling St	arted		Dat	ng Con	pleted	133		Drilling Method			
Τv	zin Por	ts Te	sting,]	Inc			7/6/	2016				7/6/2	016		Geoprobe			
	nique V				Well ID No.	Final Sta	tic Wa	ter Leve	1	Surface	rface Elevation B					Borehole Diameter		
OCA	Grid O	rigin	☐ (es	stimated:	□) or Bor	ing Location 🛛		Feet I					t MSI			2.1 inches		
	Plane	i igiii	573	,639 N,	1,441,227		t <u>46</u>		<u>' 14.</u>	208"	_					□ Е		
Facil	1/4 ty ID	of	1	/4 of Sect		Long	Long <u>-92° 6' 8.72"</u> Feet □ S									Feet W		
racii	шуш				County Douglas		16	County Code Civil Town/City/ or Village Superior										
Sa	mple												Soil	Prope	rties			
	% <u>(ii</u>	ıts	eet			ock Description						e e						
er Spe	h Att	Cour	In F			cologic Origin For		S	.i	g g	 _色	ressi	nt e	_	ity		lents	
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comments	
1 GP	60		<u> </u>	CON	CRETE			D	0 1	N D	<u> </u>	O S	20		P In	<u>А</u>	<u> </u>	
GP	24				BASE, sand						2.4							
			-1 -		N CLAY (C	3/4 dark				0.0								
-			_2		sh brown, no	, very												
ŀ			- 2	Sum.														
F			F -3							1								
			Ē .								0.0	2.6						
}			-4															
-			F									ļ						
2	60		5	As ab	ove.		rom 6' to				0.0	4.0						
GP	60			125 46				CL										
			- 6		s above; increase	ed sand content fr												
- [7' bgs	5.													
-			⊢ 7	As ab	ove, also wi	th grey mottles.												
-			-8															
		i	F °								0.0	2.3					Soil sample from 8.0' -	
E			_ 9							1							10.0' bgs.	
			Ē															
Ĺ	1		10	FOF	3. at 10' bgs.				<i>YZZ</i>									
				E.O.E	o. at 10 Ugs.													
- h	by acid	6.44	the in f	mactic:	on this fam: '- '	no and compact to the 1	oot of1	. or :1 - 1		<u> </u>		<u> </u>			L		<u> </u>	
		ty that	ine into	rmation o	on this form is tr	rue and correct to the b	RC Enviro										an i	
٠	- '	\sim	_			I F	C EHVIC	ишисі	ıtal								Tel:	

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	oute To:	Watershed/W			_	ement								
					Remediation	/Redevelopment	Other										
Facili	ty/Projec	ot Nam	ne .				License	Permit	Monito	ring Nu	mher		Boring	Pag		of	<u>1</u>
				eet) (ID	# 8680-00-0	01)	License	1 CIIIII	Monno	ing Nu	111001		Dornig	INUITION	B5	E	
					nief (first, last) a		Date Dr	illing S	tarted		Da	te Drilli	ng Con	pleted		Drill	ing Method
Tw	in Por	ts Tes	sting,	Inc.				7/6/	/2016				7/6/2	016		G	eoprobe
	nique W				Well ID No.	Common Well Name	Final St	atic Wa	ter Leve	el i	Surfac	e Elevat	ion		Bo	rehole	Diameter
Local	Grid Or	ioin		etimated:	☐) or Bo	ring Location 🛛	<u> </u>	Feet 1	MSL			Fee Local C	t MSI			2.1	inches
	Plane	ışııı			, 1,441,291		ı	at <u>46</u>		14.	203 "	Local	niu Loc		ſ		E
	1/4	of	1	/4 of Sec		T N, R	Lon	ıg <u>-92</u>	2°6		801"		Feet	□ s			Feet W
Facili	yШ			1	County Douglas		County Co	ode	Civil To Super		ty/ or \	/illage					
Sar	nple				Douglas		10	1	Dupe				Soil	Prope	erties		
	т	S	 		Soil/F	Rock Description						63					†
٦ e	Att. red (ount	n Fe		And G	eologic Origin For				_		ssive	ر بو [<u> </u>		nts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	ch Major Unit		SCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		Bl	Lă	CON	CRETE			Þ	Grap	ß ï	PI	<u> 2</u> <u>%</u>	žζ	<u> </u>	Pla In	<u>~</u>	<u> </u>
GP GP	6		E						2 4 4								
			-1		BASE, sand	and gravel. D SAND WITH	CLAY	+-	XX	,	0.1	0.0					
			Ė			coarse grained, 10											
	i		-2	4/4 da	ark yellowis	h brown, petroleur	n odor,										
=			E	wet.													
			-3														
			E,							*				 			
			F*					İ									
			5														
GP GP	60 30		F					SW-S									
			F ₆														
_	- 1		Ė								0.0	0.0					
			- 7						399			1					
Ē			E														
			-8	Asah	ove, drier.						1.4	0.5					Soil sample
			E	110 40	ove, arrer.												from 8.0 - 10.0' bgs.
=			<u>-</u> 9	As ab	ove. featuri	ng decreased sand											10.0 0gs.
			Ē	conte	nt, gley2 4/1	0B mottles, petro	leum										
L=			10	odor.	B. at 10' bgs.		/	1	1.0.4.8.2								
					10 053.	•											
I here	by certif	y that	the info	rmation o	on this form is t	rue and correct to the b	est of my k	nowled	ge.					<u> </u>			
Signa			> .				RC Envir										Tel:
				/ S													Fax:

State of Wisconsin

SOIL BORING LOC INFORMATION

Fax:

Depart	ment o	f Natu	ral Reso	ources							400-122		LOG		v. 7-98	3
			Ro	oute To: Watershed/	Wastewater	Waste 1	Manag	ement								
					n/Redevelopment	Other	_									
													Pag	e 1	of	1
Facility	-				-	License/	Permit/	Monito:	ring Nu	mber		Boring	Numbe	er		
				eet) (ID# 8680-00- f crew chief (first, last)		Date Dri	11: C			D-	4. D.::11:	C	1	B51		in - Made - d
Boring	Drille	ц Бу:	Name o	i crew chief (first, fast)	and rim	Date Dn	lling S	iarted		Da	te Drilli	ng Con	ipieted		ווחכו	ing Method
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WI Un	ique W	ell No		DNR Well ID No.	Common Well Name	Final Sta			el S	Surfac	e Elevat			Bo		Diameter
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Facility	' ID			County Douglas	1	County Co 16	de	Civil To Super		ty/ or \	Village					
San	nle			Douglas		10	T	Supe	1101		T	Soil	Prope	erties		<u> </u>
	•			Soil/	Rock Description							BOIL	liope	1005		
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aber Typ	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Ea	ach Major Unit		CS	Graphic Log	1 gram	PID/FID	Compressive Strength	sture	it it	ticity	9)/ umer
Number and Type	Leng Rec	Blo	Dep				n S	Grap	Well Diagram	PID	Compres Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
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	72		<u>E</u> 1	SUBBASE, sand	l and gravel.											
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٦			10	E.O.B. at 10' bgs												:
I hereb	y certif	y that	the info	rmation on this form is	true and correct to the be	st of mv kr	nowled	ge.	I		1	L	I			<u> </u>
Signati	-	< 0			l	C Enviro										Tel:

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

			Ro	oute To:	Watershed/V Remediation	Vastewater /Redevelopment	Waste 1		ement								
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	ty/Projec			act) (II))# 8680-00 - 0	11)	License/	Permit/	Monitor	ring Nu	ımber		Boring	Numb	ет В5	G	
					nief (first, last) a		Date Dri	lling St	arted		Da	te Drilli	ng Con	npleted			ing Method
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I here	by certif	fy that	the info	rmation o	on this form is t	rue and correct to the b	est of my ki	nowled	ge.								
Signa	ture	7	2		\nearrow	Firm TF	RC Enviro	nmer	ıtal								Tel
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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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Facilit	y/Proje	ct Nam	ie				License/I	Permit/	Monitor	ring Nu	mber		Boring	Numbe	er		
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Sar	nple				<u> </u>		<u> </u>						Soil	Prope	erties		
	& in)	, pa	ਰ		Soil/R	Rock Description						မ					
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Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Eac	ch Major Unit		scs	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
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Signa			<u> </u>		\rightarrow		RC Enviro										Tel:
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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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					0# 8680-00-0		D. D	-'11' - C	1		In.	4- D.:II		11	B70		
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State Plane

Facility ID

Sample

1/4 of

Recovered (in) Blow Counts

60

Length Att.

and Type

1 GP

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98 Waste Management Route To: Watershed/Wastewater Other \square Remediation/Redevelopment of 1 Page Facility/Project Name License/Permit/Monitoring Number **Boring Number** B₈D USH 2 (Belknap Street) (ID# 8680-00-01) Boring Drilled By: Name of crew chief (first, last) and Firm Date Drilling Started Date Drilling Completed Drilling Method 7/7/2016 7/7/2016 Twin Ports Testing, Inc. Geoprobe Final Static Water Level DNR Well ID No. Common Well Name Surface Elevation Borehole Diameter WI Unique Well No. Feet MSL Feet MSL 2.1 inches Local Grid Origin (estimated:) or Boring Location Local Grid Location 43' 13.147" 46° Lat . 573,522 N, 1,441,594 E S/C/N \square N \square E -92° 6' 3.405" Long Feet S Feet W 1/4 of Section N, R Civil Town/City/ or Village County County Code Douglas 16 Superior Soil Properties Soil/Rock Description Depth In Feet Compressive And Geologic Origin For Strength PID/FID Moisture Plasticity USCS Diagram Graphic Content Liquid Limit Each Major Unit Index P 200 Log FILL, only recovery was small quantities of angular gravel fill. NA

2 2 GP 60 6 LEAN CLAY (CL), plastic, 5YR 4/6 Soil sample from 8.0[†] yellowish red, no odor, moist, very stiff. 10.0' bgs. CL0.1 3.2 10 I hereby certify that the information on this form is true and correct to the best of my knowledge. Signature Firm TRC Environmental Tel:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Fax:

State of Wis., Dept. of Natural Resources

6. Comments Boring B10E

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015) Page 1 of 2 dnr.wi.gov Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: ☐ Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment ☐ Waste Management 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of acility Name Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Format Code Method Code ☐ GPS008 \boxtimes DD 46.72055° License/Permit/Monitoring # SCR002 ☐ <u>ОТН001</u> □ DDM -92.09946° W 1/4 / 1/4 Section Township Range Original Well Owner Ε or Gov't Lot# W Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1701 N 4th Street Superior 54880 City of Present Owner State ZIP Code Subdivision Name Lot# Superior WI 54880 4. Pump, Liner, Screen, Casing & Sealing Material Reason For Removal From Service WI Unique Well # of Replacement Well Yes No N/A Pump and piping removed? Soil Boring Yes Nο X N/A Liner(s) removed? 3. Filled & Sealed Well / Drillhole / Borehole Information No \boxtimes N/A Yes Liner(s) perforated? Original Construction Date (mm/dd/vvvv) Monitoring Well No \boxtimes N/A Yes Screen removed? 07/06/2016 Yes No M N/A Casing left in place? Water Well If a Well Construction Report is X Borehole / Drillhole Yes No N/A Was casing cut off below surface? available, please attach. \boxtimes Did sealing material rise to surface? Yes No N/A Construction Type: Yes M No N/A Did material settle after 24 hours? Driven (Sandpoint) Drilled Dug Yes No N/A If yes, was hole retopped? Other (Specify) Geoprobe If bentonite chips were used, were they hydrated ⊠ N/A Yes No with water from a known safe source Formation Type: Required Method of Placing Sealing Material ☐ Bedrock Unconsolidated Formation Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) \boxtimes Screened & Poured (Bentonite Chips) Other (Explain) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) Concrete **Neat Cement Grout** 2.1 Sand-Cement (Concrete) Grout **Bentonite Chips** Yes No Unknown Was well annular space grouted? For Monitoring Wells and Monitoring Well Boreholes Only: Depth to Water (feet) If yes, to what depth (feet)? Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurn No. Yards, Sacks Sealant Mix Ratio 5. Material Used to Fill Well / Drillhole From (ft.) To (ft. or Volume (circle one) or Mud Weight 3/8" Bentonite Chips Surface 10.0 0.4 sacks

DNR Use Only 7. Supervision of Work Name of Person or Firm Doing Filling & Sealing License # Date of Filling & Sealing or Verification Date Received Noted By (mm/dd/yyyy) 07/06/2016 Twin Ports Testing, Inc. Street or Route Telephone Number Comments (715)392-7114 1301 N 3rd St ZIP Code Signature of Person Doing Work City State WI 54880 Superior

City

Superior

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: □ Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment Other ☐ Waste Management 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of County Hicap # acility Name Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Method Code Format Code ⊠ DD 46.72061° Ν License/Permit/Monitoring # SCR002 ☐ DDM ☐ <u>ОТН001</u> -92.09928° W 1/4/1/4 Section Township Range Original Well Owner Ε or Gov't Lot# w Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1701 N 4th Street Superior 54880 City of Present Owner State ZIP Code Subdivision Name Lot# Wī 54880 Superior 4. Pump. Liner. Screen, Casing & Sealing Materia Reason For Removal From Service WI Unique Well # of Replacement Well Yes No \boxtimes N/A Pump and piping removed? Soil Boring Yes No \boxtimes N/A Liner(s) removed? 3. Filled & Sealed Well / Drillhole / Borehole Information Yes No \boxtimes N/A Liner(s) perforated? Original Construction Date (mm/dd/yyyy) Monitoring Well Yes Nο M N/A Screen removed? 07/06/2016 Yes No X N/A Water Well Casing left in place? If a Well Construction Report is Yes No N/A Borehole / Drillhole Was casing cut off below surface? available, please attach. No N/A Did sealing material rise to surface? Yes Construction Type: \boxtimes Yes No N/A Did material settle after 24 hours? Drilled Driven (Sandpoint) Dug Yes No N/A If yes, was hole retopped? Other (Specify) Geoprobe If bentonite chips were used, were they hydrated ⊠ N/A Yes No with water from a known safe source Formation Type: Required Method of Placing Sealing Material Unconsolidated Formation Bedrock Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) \boxtimes Screened & Poured Other (Explain) (Bentonite Chips) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) **Neat Cement Grout** Concrete 2.1 Bentonite Chips Sand-Cement (Concrete) Grout Yes ☐ No Unknown Was well annular space grouted? For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry No. Yards, Sacks Sealant Mix Ratio 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) or Volume (circle one) 3/8" Bentonite Chips Surface 10.0 0.4 sacks 6. Comments Boring B10F 7. Supervision of Work DNR Use Only Name of Person or Firm Doing Filling & Sealing License # Date of Filling & Sealing or Verification Date Received Noted By (mm/dd/yyyy) 07/06/2016 Twin Ports Testing, Inc. Street or Route Telephone Number Comments 1301 N 3rd St. (715)392-7114

State

WI

ZIP Code

54880

Signature of Person Doing Work

Date Signed

State of Wis., Dept. of Natural Resources

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015) dnr.wi.gov Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis, Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: □ Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment Other Waste Management 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap# Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Method Code Lattitude / Longitude (see instructions) Format Code ⊠ DD 46.72043° License/Permit/Monitoring # SCR002 -92.09947° W OTH001 1/4/1/4 Section Township Range Original Well Owner E or Gov't Lot # w Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well ZIP Code Well City, Village or Town 1701 N 4th Street Superior 54880 City of Present Owner State ZIP Code Subdivision Name Lot# WI 54880 Superior 4. Pump, Liner, Screen, Casing & Sealing Material Reason For Removal From Service WI Unique Well # of Replacement Well Yes N/A Pump and piping removed? Soil Boring X Yes No N/A Liner(s) removed? 3 Filled & Sealed Well / Drillhole / Borehole information X Yes No N/A Liner(s) perforated? Original Construction Date (mm/dd/yyyy) Monitoring Well N/A Yes No \boxtimes Screen removed? 07/06/2016 \boxtimes N/A Yes Nο Water Well Casing left in place? If a Well Construction Report is N/A Yes Borehole / Drillhole Was casing cut off below surface? No available, please attach X N/A Yes No Did sealing material rise to surface? Construction Type: N/A Yes M No Did material settle after 24 hours? ☐ Dug Drilled Driven (Sandpoint) Yes No N/A If yes, was hole retopped? Other (Specify) Geoprobe If bentonite chips were used, were they hydrated N/A Yes No with water from a known safe source Formation Type: Required Method of Placing Sealing Material Unconsolidated Formation Bedrock Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) \boxtimes Screened & Poured (Bentonite Chips) Other (Explain) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) **Neat Cement Grout** Concrete 2.1 Bentonite Chips Sand-Cement (Concrete) Grout Yes No Was well annular space grouted? Unknown For Monitoring Wells and Monitoring Well Boreholes Only: Depth to Water (feet) If yes, to what depth (feet)? Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurn No. Yards, Sacks Sealant Mix Ratio 5. Material Used to Fill Well / Drillhole To (ft.) From (ft.) or Volume (circle one) or Mud Weight 3/8" Bentonite Chips Surface 10.0 0.4 sacks 6. Comments Boring B10G

7. Supervision of Work **DNR Use Only** Name of Person or Firm Doing Filling & Sealing License # Date of Filling & Sealing or Verification Date Received Noted By (mm/dd/yyyy) 07/06/2016 Twin Ports Testing, Inc. Street or Route Telephone Number Comments 1301 N 3rd St. (715)392-7114 City State ZIP Code Signature of Person Doing Work WI 54880 Superior

☐ Verification Only of Fill and Seal

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Watershed/Wastewater

Other _

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Remediation/Redevelopment

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Route to DNR Bureau:

Drinking Water

Waste Management

1. Well Location Info	rmation							2. F	Facility /	Owner In	formatio	n			大学	
County	WI Unique V			Hicap #				Facili	ity Name		•					
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Douglas Lattitude / Longitude (see	()		T	 	1 1 4 -	41	0-4-	Facil	ity ID (FIC	or PWS)						
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or Gov't Lot#						[Πı	N								
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Belknap Street										NW Region						
Well City, Village or Town				Well ZIF	 P Co	de			•	ss of Preser	nt Owner					
Superior				5488					701 N 4tl							
Subdivision Name				Lot #				1 1	of Presen	t Owner			ľ	State	1	Code
									perior	CARROLL CONTRACTOR	anagai arangan			WI	5	4880
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Soil Boring		·						Pι	ump and p	piping remo	ved?		닏	Yes [⊣ No	⊠ N/A
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Borehole / Drillho	le			nstruction lease attac		ort is		w	as casing	cut off belo	ow surface?	?		Yes [No	⊠ N/A
Construction Tuno:	construction Type:									material ris	e to surfac	e?	\boxtimes	Yes	No	☐ N/A
_	onstruction Type: Drilled Driven (Sandpoint) Dug									al settle after	24 hours?	•		Yes	⊠ No	☐ N/A
										as hole retop	pped?			Yes [⊠ No	N/A
Other (Specify)	Geoprobe							lf i	bentonite	chips were	used, were	they hydra	ted	_	_	
Formation Type:								wi	ith water f	from a know	n safe soui	rce		Yes [No	⊠ N/A
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Was well annular space gr	outed?	Yes	П	No [7 u	nknow	m			ement (Con g Wells and	•			ntonite C	riips	
If yes, to what depth (feet)		Depth						$\exists \ddot{\boxtimes}$	-	te Chips	WOINGING		onite - Ce	•	rout	
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7. Supervision of Wo								Kirati, Kir						Use C		1 1 1 1 1 1 1 1 1
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Twin Ports Testing, In	nc.							(mm/dd		07/06/20						
Street or Route								•	ne Numb		(	Comments				
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Superior				WI	نبل	54880	U					$\longrightarrow$	0		+   15	110
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#### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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			L		aste Ma	nageme		Other							
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County	WI Unique V Removed W		Hic	cap#			Facility Name								
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Lattitude / Longitude (see i	instructions)	Forn	nat Co	ode	Method		Facility ID (Fil	D 01 F VV 3)							
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1/4 / 1/4		Section	Town	nship	Range	E	Original Well	Owner							
or Gov't Lot#						□w									
Well Street Address							Present Well	Owner							
Belknap Street								NW Regio							
Well City, Village or Town			Ιw	Vell ZIP	Code		Mailing Addre		nt Owner						
Superior				54880			1701 N 4t City of Preser	_			Stat		ZIP C	`ada	
Subdivision Name			L	ot#			Superior	it Owner			1	VI	1	880	
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Reason For Removal From	Service \	WI Unique We	ll # of	Replac	ement W	Vell					☐ Ye		No	$\boxtimes$	N/A
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Water Well		07/06/20	10				Casing left	in place?			Ye	s	No	$\boxtimes$	N/A
Borehole / Drillhol	e	If a Well C					Was casin	g cut off belo	ow surface	·	☐ Ye	es $\square$	No	$\boxtimes$	N/A
		available,	piease	e auacn	<u>.                                    </u>		4	material ris			⊠ Y€	es 🔲	No	Ħ	N/A
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Drilled	Driven	(Sandpoint)		L	Dug		If yes, w	as hole reto	pped?			ıs 🔀	No		N/A
Other (Specify)	Geoprobe						If bentonite	chips were	used, were	they hydrate	d _	_			
Formation Type:							with water	from a know	n safe sou	rce	Y€	s	No	$\boxtimes$	N/A
	ation		Bedr	rock			Required Met			Material					
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Total Wolf Bopart Tolli Gro	ouria currace (	iii) Guoing	Diamo		,		Screen (Bentor	ed & Poured nite Chips)		□ (	Other (Exp	ain)			
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	11.)	Casing	Depin	(ic.)			☐ Neat C	ement Grout	t		Concre	ete			
2.1							Sand-C	ement (Con	crete) Grou	ut 🛭	Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Bentor     Be	ite Chip	os		
Was well annular space gre	outed?	Yes	No		Unknov	wn	For Monitorin	g Wells and	l Monitorin	g <u>We</u> ll Boreho	oles Only:				
If yes, to what depth (feet)?	?	Depth to Wa	iter (fe	eet)				ite Chips			ite - Ceme		ıt		
	and the way to be	Arribe and the second	KAMPU NIN	Carrier St	<b>25</b> 16 (3.46)	a de		ar Bentonite	and the same		ite - Sand		and the second second	1840 ST40	608.000 D
5. Material Used to Fi							From (fL)	To (ft.)		ards, Sacks olume (circ			Mix Mud		
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6. Comments	A HAMES	Y Dam.	12.		e diam	A		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			20 to 10 to	88 S S	0.54	2.40	
Boring B11A															
7. Supervision of Wo	rk						1. F. T. T. T. T. T. T. T. T. T. T. T. T. T.				DNR U	امر <u>ر</u> مع	V S		
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Twin Ports Testing, In						(n	nm/dd/yyyy)	07/06/20					,		
Street or Route			L			T	elephone Numi			Comments		L			
1301 N 3rd St.							(715)392-71	14						_	[
City			Sta		ZIP Cod		Signature of I	Person Doin	g Work			Date S	igned	1/.	
Superior	V	WΙ	5488	30				<u></u>	$\sim$	ナ	1141	16	•		

Superior

#### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment ☐ Waste Management Other 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap # acility Name Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Format Code Method Code **GPS008**  □ DD 46.72060° N License/Permit/Monitoring # SCR002 □ DDM -92.09854° W OTH001 1/4/1/4 Section 1/4 Township Range Original Well Owner Ε or Gov't Lot# w Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1701 N 4th Street 54880 Superior City of Present Owner State ZIP Code Subdivision Name Lot# Superior WI 54880 4. Pump, Liner, Screen, Casing & Sealing Material Reason For Removal From Service WI Unique Well # of Replacement Well Yes No N/A Pump and piping removed? Soil Boring Yes No N/A Liner(s) removed? 3: Filled & Sealed Well / Drillhole / Borehole Information Nο N/A Yes  $\boxtimes$ Liner(s) perforated? Original Construction Date (mm/dd/vvvv) Monitoring Well Nο N/A Screen removed? Yes  $\boxtimes$ 07/06/2016 Yes No N/A Water Well Casing left in place? If a Well Construction Report is Borehole / Drillhole Was casing cut off below surface? Yes No N/A available, please attach.  $\times$ Did sealing material rise to surface? Yes No N/A Construction Type: Yes M No N/A Did material settle after 24 hours? Drilled Driven (Sandpoint) Dug N/A Yes No If yes, was hole retopped? Other (Specify) Geoprobe If bentonite chips were used, were they hydrated ⊠ N/A | | Yes | | No with water from a known safe source Formation Type: Required Method of Placing Sealing Material Unconsolidated Formation Bedrock Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) Screened & Poured (Bentonite Chips) Other (Explain) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) Concrete Neat Cement Grout 2.1 Sand-Cement (Concrete) Grout Bentonite Chips ☐ No Was well annular space grouted? Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) **Bentonite Chips** Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry Mix Ratio No. Yards, Sacks Sealant Material Used to Fill Well / Drillhole To (ft.) From (ft.) or Volume (circle one) or Mud Weight 3/8" Bentonite Chips Surface 10.0 0.4 sacks 6. Comments Boring B11B **DNR Use Only** 7. Supervision of Work Name of Person or Firm Doing Filling & Sealing icense # Date of Filling & Sealing or Verification Date Received Noted By (mm/dd/yyyy) 07/06/2016 Twin Ports Testing, Inc. Street or Route Telephone Number Comments 1301 N 3rd St. (715)392-7114 ZIP Code City State Signature of Person Doing Work WI 54880

State of Wis., Dept. of Natural Resources

6. Comments Boring B12C

Superior

### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015) dnr.wi.gov Page 1 of 2 Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: ☐ Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment Other Waste Management 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Hicap# Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Format Code Method Code GPS008 ⊠ DD 46.72060° icense/Permit/Monitoring# SCR002 □ DDM -92.09825° W OTH001 1/4/1/4 Section Township Range Original Well Owner Ε or Gov't Lot # W Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well ZIP Code Well City, Village or Town 1701 N 4th Street Superior 54880 City of Present Owner State ZIP Code Subdivision Name Lot# Superior WI 54880 4 Pump, Liner, Screen, Casing & Sealing Material Reason For Removal From Service WI Unique Well # of Replacement Well Yes No N/A Pump and piping removed? Soil Boring Yes No N/A Liner(s) removed? 3: Filled & Sealed Well / Drillhole / Borehole Information No  $\boxtimes$ N/A Yes Liner(s) perforated? Original Construction Date (mm/dd/vvvv) Monitoring Well N/A Screen removed? Yes Nο M 07/06/2016 Yes No N/A Water Well Casing left in place? If a Well Construction Report is Borehole / Drillhole Was casing cut off below surface? Yes No N/A available, please attach.  $\boxtimes$ Did sealing material rise to surface? Yes No N/A Construction Type: Yes No N/A Did material settle after 24 hours? Drilled Driven (Sandpoint) Dug N/A Yes No If yes, was hole retopped? Other (Specify) Geoprobe If bentonite chips were used, were they hydrated ☐ Yes ☐ ⊠ N/A No with water from a known safe source Formation Type: Required Method of Placing Sealing Material Unconsolidated Formation Bedrock Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) Screened & Poured (Bentonite Chips) Other (Explain) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) Concrete **Neat Cement Grout** 2.1 Sand-Cement (Concrete) Grout Bentonite Chips ☐ No Yes Was well annular space grouted? Unknown For Monitoring Wells and Monitoring Well Boreholes Only: Depth to Water (feet) If yes, to what depth (feet)? Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry No. Yards, Sacks Sealant Mix Ratio 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) or Volume (circle one) or Mud Weight 3/8" Bentonite Chips Surface 10.0 0.4 sacks

7. Supervision of Work	46			DN	R Use Only
Name of Person or Firm Doing Filling & Sealing	License	#	Date of Filling & Sealing or Verification	on Date Received	Noted By
Twin Ports Testing, Inc.			(mm/dd/yyyy) 07/06/2016		
Street or Route			Telephone Number	Comments	
1301 N 3rd St.			(715)392-7114		
City	State	ZID Code	Signature of Person Doing Work		Date Signed 4

54880

WI

#### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

		Route to	DNR Bureau	:					
□ Verification Only of F	ill and Seal	☐ <b>D</b>	rinking Water		☐ Watersh	ed/Wastewater	Remed	ation/Redev	elopment
		□ v	/aste Manager		Other _				
1. Well Location Information						formation			
County WI Uniq Remove	ue Well # of d Well	Hicap #		Facility Name			- 41		
Douglas ()	u vvon					eet) (ID# 8680-00-	-01)		
Lattitude / Longitude (see instruction	is) Format	Code	Method Code	Facility ID (FII	J or PWS)				
46.72060 ° N	·	DD	GPS008	License/Perm	it/Monitoring	. #			
-92.09807 ° W		DDM	SCR002	License/Ferm	IVIVIOIIIIOIIIIQ	) #			
1/4 1 1/4	Section T	ownship	Range	Original Well	Owner		<del></del>		<del></del>
or Gov't Lot #				Original vveil	o who				
Well Street Address			L	Present Well	Owner				<del></del> ,
				WisDOT	NW Regio	n			
Belknap Street Well City, Village or Town		Well ZIP	Codo	Mailing Addre	ss of Preser	nt Owner			
		54880		1701 N 4t					
Superior Subdivision Name		Lot #		City of Preser	t Owner		State	1	
Capario Ciri Namo		2017/		Superior	and the second	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	W	<u>I</u> 54	880
Reason For Removal From Service	WI Unique Well	of Replac	ement Well	4% Eumode	iner, Scre	en, Casing & Sea			57
Soil Boring	· ·	•			piping remo	ved?	Yes	=	⊠ N/A
3. Filled & Sealed Well / Drill	nole / Borehole Ir	formatio	n	Liner(s) re			∐ Yes	=	⊠ N/A
Monitoring Well	Original Const	uction Dat	e (mm/dd/yyyy				Yes	=	⊠ N/A ⊠ N/A
	07/06/2016	<u>,                                      </u>		Screen rer			☐ Yes	<b>=</b>	⊠ N/A
Water Well	If a Well Cor	struction F	Renort is	Casing left	in place?				
Borehole / Drillhole	available, ple			Was casin	g cut off belo	ow surface?	∐ Yes	=	⊠ N/A
Construction Type:				1		se to surface?	∑ Yes	= = = = = = = = = = = = = = = = = = = =	∐ N/A
	iven (Sandpoint)	Г	Dug		al settle afte		Yes		∐ N/A □ N/A
Other (Specify) Geoprob		<u></u>	-	i -	as hole reto		_	, M	
	e				•	used, were they hyd	arated Yes	s □ No	⊠ N/A
Formation Type:						n safe source ng Sealing Material			
Unconsolidated Formation	E	Bedrock		1 🗂	tor Pipe-Gr	· · · ·	Conductor F	ipe-Pumpe	4
Total Well Depth From Ground Surfa	ace (ft) Casing Di	ameter (in.	)		ed & Poured	· .	Other (Expla		4
				(Bentoi	nite Chips)			,	
Lower Drillhole Diameter (in.)	Casing De	epth (ft.)		Sealing Mate	rials				
2.1		,		☐ Neat C	ement Grou	t	Concret	е	
					•	crete) Grout		te Chips	
Was well annular space grouted?		No 📙	Unknown		-	d Monitoring Well Bo	•		
If yes, to what depth (feet)?	Depth to Wate	r (feet)			ite Chips		entonite - Cemer		
		A STEEL NO. 11 S. IS	Section 18 Artes	Granul	ar Bentonite		entonite - Sand S		Ratio
5. Material Used to Fill Well /	Drillhole			From (ft.)	To (ft.)	No. Yards, S or Volume	acks Sealant (circle one)	or Muc	Rauo I Weight
			ayata darintan aya	22.00	Total Control Control of			di dalan di saka saka saka saka sa	STATEMENT AND A
3/8" Bentonite Chips				Surface	10.0	0.4 s	sacks		
			sant Stone Comp		Lancing Co.		3. 3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.		65/60/646751978
6. Comments Boring B12D			A Section Constitution	46.5		Assis and a second			
Bonng B12D									
7. Supervision of Work			ruggi saga dar Kasarakan	An Santan			DNR Us	e Only	M. F. 11.
Name of Person or Firm Doing Filling	a & Sealing	License	#	Date of Filling &	Sealing or \	/erification Date Red	The second second	Noted By	esel In solice Test
Twin Ports Testing, Inc.	,			(mm/dd/yyyy)	07/06/20	l		-,	
Street or Route				Telephone Num		Commen	its		
1301 N 3rd St.				(715)392-71	14				
City		State	ZIP Code	Signature of		g Work	7	Date Signed	1/1
Superior		WI	54880				18	7/19	1/16

### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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Verification	n On	ily of Fill a	and Sea	"	D	rinkir	ng Water			Watershe	ed/Wastew	ater	☐ R	emedia	tion/R	edeve	lopme	ent
	e seranan Liberte	a 163 Constitution and section of the	and the second disease of the second	Se absolute	w	/aste	Managen			Other	united division	COLOR CONTROL CONTROL CONTROL	VD/Unigotion in	Vijese trancel	november of the Co.	PRESIDENCE	arresses on	ar fiction to
1. Well Location	n Infor	<b>mation</b> WI Unique V	V-04-4		<i></i>			A. J. S. S. S. S. S. S. S. S. S. S. S. S. S.	Facility I	Owner In	formatio	n.		algebra bay	artic			
County		Removed W			Hicap#				cility Name	alleman Ctua	ot) (TD#	0600 00 0	1)					
Douglas		0						_	USH 2 (Be		et) (11)#	0000-00-0	1)					
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1/4 / 1/4	1/4		Section	To	wnship	Rai	nge 🔲 E	E Or	riginal Well (	Owner					4184			_
or Gov't Lot#							$\overline{}$	w L										
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Well City, Village or	Town				Well ZIP	Cod	е		1701 N 4tl		it Owner							
Superior					54880	)		_	ty of Presen					State		ZIP Co	de	
Subdivision Name					Lot#			- 1	Superior					WI	1	548	80	
		т.			<u> </u>				. Pump, Li	ner, Scre	en, Casir	ng & Seali	ng Mat	erial	ETR	QU.		(V)
Reason For Remov	al From	Service \	WI Unique \	Nell #	of Replac	eme	nt Well		Pump and	oiping remo	ved?			Yes		No [	×	V/A
Soil Boring	200	10.00	eganga saman ayan	- 550 152	and the second second second	# (NG 0 98)	er odeckeren	有効を含む	Liner(s) ren					Yes		No [	☒≀	N/A
3. Filled & Seal	ea vve	II / Drilinole	Original C						Liner(s) per					Yes		No [	<u> </u>	V/A
Monitoring	Well		07/07/2		action Date	e (IIII	il/dd/yyyy	'	Screen rem					] Yes		No [	<b>N</b>	N/A
Water We	Water Well							_	Casing left	in place?				Yes		No [	✓ I	V/A
Borehole /		struction F		rt is		Was casino	cut off belo	ow surface	?		Yes		No [	X N	V/A			
	e, pie	ase attach	· <u> </u>		$\dashv$	-	material ris			$\overline{\boxtimes}$	Yes		No [	ቯ ⊦	V/A			
Construction Type:			<b></b>		_	٦.			-	ıl settle afteı				Yes	$\boxtimes$	No [	1	V/A
Drilled		Driven	(Sandpoint	:)		וט ן	ug		If yes, wa	as hole reto	pped?			Yes	$\boxtimes$	No [	1	V/A
Other (Specify	) _(	Geoprobe							If bentonite	chips were	used, wer	e they hydra	ated				_	
Formation Type:									with water t	from a know	n safe sou	ırce	L	Yes		No [	<u> </u>	N/A
□ Unconsolidated	l Forma	ition		] в	edrock			Re	equired Meth	nod of Placii	ng Sealing	Material	1					
Total Well Depth Fr			(ft) Casin	ng Dia	meter (in.)	١		<b> </b>		tor Pipe-Gra	•		1	ictor Pi		nped		
rotal Woll Dopart	om ore	ana canacc (	(ii) Guoii	ig Dia		,				ed & Poured ite Chips)		Ш	Other	(Explai	n)			
Lower Drillhole Diar	neter (i	n )	Casin	na Der	oth (ft.)			Se	ealing Mater	ials								
	110101 (11	11.7	Odon	ig Del	par (ic.)				Neat Ce	ement Grout	:		□ c	oncrete				
2.1								[	☐ Sand-C	ement (Con	crete) Gro	ut	⊠ ве	entonite	Chips			
Was well annular sp	pace gr	outed?	Yes		<b>Vo</b> □	Unl	known		or Monitoring	g Wells and	Monitorin	g Well Bore	eholes C	nly:				
If yes, to what depti	h (feet)	?	Depth to \	Nater	(feet)				_	te Chips			tonite - C					
The second second	X Tober Suide	· Teach content	2012/01/2019	e evenu	anerika <del>K</del> ante	(MEGA)		L	Granula	r Bentonite	stores.	Beni	tonite - S	Sand SI	urry Income	SW C.	(A)	
5. Material Use		80 S 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	· · · · · · · · · · · · · · · · · · ·					I	From (fL)	To (ft.)	or \	ards, Sac /olume (c	ircle or	irant ie)	or	Mix R Mud \	auo Weig	jht .
3/8" Bentonite (	Chips								Surface	10.0		0.4 sag	cks					
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6. Comments	arentin Surenin								and the		MOSTON A	7.7						
Boring B12E																		
7. Supervision	of Wo	rk	Term and the				Marie Wi	72710 77771			7:54:		. DN	R Use	Only		200 mg/s 200 mg/s 200 mg/s	
Name of Person or	Firm Do	oing Filling & S	Sealing		License	#			of Filling &			Date Recei	ved	N	oted B	у		
Twin Ports Tes	ting, Ir	ıc.						<u> </u>	/dd/yyyy)	07/07/20	16 .							
Street or Route								Ι.	phone Numb			Comments						
1301 N 3rd St.									15)392-71			L		l _e .				
City					State		Code	Si	gnature of F	erson Doing	g Work C	~ `	$\geq \leq$	_  P	ate Sig	ined //a	//,	,_
Superior				WI	5	4880						$\sim$	-		/~ ·	116	0	

### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

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| Verification Only of Fill and Seal | Printing Weter | Weter | Weter | Weter | Printing Weter | Printing Pedagalance | Printing Weter | Printing Weter | Printing Pedagalance | Printing Pedagalance | Printing Weter | Printing Pedagalance | Printing Pedagalance | Printing Weter | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Pedagalance | Printing Peda

☐ Verification Or	nly of Fill	and S	eal		Orinking Water		☐ Watersh	ed/Wastewater		Remediation	on/Redev	velopment
				□ v	Vaste Managen	nent _	Other					
1. Well Location Info	rmation			ys H		2. Facility	/ Owner li	nformation	er over Spart a state			2317
County	WI Unique V			Hicap#		Facility Name						
75 1	Removed W	ell				USH 2 (B	elknap Str	eet) (ID# 8680	0-00-01)			
Douglas Lattitude / Longitude (see	inetructions)		Format	Codo	Method Code	Facility ID (FII	D or PWS)					
46.72073 °	•		_	DD	GPS008							
-92.09801 °	N		_	DDM	SCR002	License/Perm	it/Monitorin	g#				
-92.09801 1/4 / 1/4	W	Section	L	ownship	Range							
or Gov't Lot #		Coulon	'  '`	OWNSHIP		Original Well	Owner					
					<u> </u>	N Present Well	Owner					
Well Street Address							NW Regio	m				
Belknap Street						Mailing Addre				,		
Well City, Village or Town				Well ZIF	Code	1701 N 4t						
Superior				5488	0	City of Preser				State	ZIP (	Code
Subdivision Name				Lot #		Superior				wı	54	4880
						4. Pump, L	iner, Scre	en, Casing 8	Sealing Ma	aterial		
Reason For Removal Fron	n Service	WI Uniqu	ue Well #	of Repla	cement Well	Pump and	piping remo	oved?		Yes	No	⊠ N/A
Soil Boring			and the same of the same	· · · · · · · · · · · · · · · · · · ·		Liner(s) re			Ī	Yes	No	⊠ N/A
3. Filled & Sealed We	HI/ DIMINOR				on te (mm/dd/yyyy	<u> </u>				Yes [	No	N/A
Monitoring Well		1 -	)7/2016		te (minadayyyy)	Screen ren	noved?			Yes [	No	N/A
Water Well		07/	7//2010			Casing left	in place?			Yes [	No	N/A
Borehole / Drillho	le			struction		Was casin	a cut off hel	ow surface?	Г	Yes	No	⊠ N/A
	-	avai	iabie, pie	ease attac	n		-	se to surface?		Yes	□ No	□ N/A
Construction Type:	_			_	_	1	al settle afte		Ī	Yes	⊠ No	☐ N/A
Drilled	Driver	(Sandp	oint)	L	Dug	İ	as hole reto			Yes	⊠ No	☐ N/A
Other (Specify)	Geoprobe					-		used, were the	y hydrated			
Formation Type:						with water	from a knov	vn safe source		Yes	No	⊠ N/A
Unconsolidated Forma	ation		Пв	Bedrock		Required Met	hod of Placi	ing Sealing Mat	erial			
		/m\					ctor Pipe-Gr	avity	Cond	ductor Pipe	-Pumpe	d
Total Well Depth From Gro	ound Surface	(ft) Ca	asing Dia	ameter (in	.)	Screen	ed & Poured nite Chips)	d	☐ Othe	r (Explain)		
						Sealing Mater						
Lower Drillhole Diameter (i	in.)	Ca	asing De	epth (ft.)					$\Box$	<b></b>		
2.1							ement Grou	ncrete) Grout		Concrete Bentonite C	Shine	
Was well annular space gr	outed?	Yes	П	No [	Unknown		•	d Monitoring W			zilipa	
If yes, to what depth (feet)			to Water			_ <	ite Chips		Bentonite -	•	irout	
,,,				(/			ar Bentonite	, [	Bentonite -			
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6. Comments		#84.7.5E	6, H. Zel	# 1 A A 4	Tak Top accepts			l Carlo QSP	Paris programa	1,000	i en en en en	elas estructual
Boring B12F		8 (14 %) (17 A)		ja 100 (100 (100)					1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m		an erment.	
Doing Dizi												
7. Supervision of Wo	rk	ANTALIA				of Johnson Committee			D	NR Use (	Only	
Name of Person or Firm D		Sealing	er terrettere <u>På</u>	License	<b>;</b> #	Date of Filling &	Sealing or \	Verification Date	. The same to the same and the same		ed By	and the second substitution of
Twin Ports Testing, In	1c.	-				(mm/dd/yyyy)	07/07/20	016			•	
Street or Route						Telephone Num			nments			
1301 N 3rd St.						(715)392-71	14					
City				State	ZIP Code	Signature of I	Person Doin	ng Work Z	72	Dat	e Signed	1//
Superior				WI	54880				$\mathcal{I}\mathcal{S}$		<u> 7//</u>	9/16
									_		,	

Subdivision Name

7. Supervision of Work

Twin Ports Testing, Inc.

Street or Route

Superior

City

1301 N 3rd St.

Name of Person or Firm Doing Filling & Sealing

#### Well / Drillhole / Borehole Filling & Sealing

State

wī

DNR Use Only

Noted By

Date Signed

ZIP Code

54880

Form 3300-5 (R 4/2015)

4. Pump, Liner, Screen, Casing & Sealing Material

Date of Filling & Sealing or Verification Date Received

Comments

07/06/2016

Signature of Person Doing Work

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: □ Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment ☐ Waste Management Other 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of County Hicap # acility Name Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Method Code Format Code GPS008 ⊠ DD 46.72061° License/Permit/Monitoring # SCR002  $\Box$ DDM -92.09617° W OTH001 1/4/1/4 Section Township Range Original Well Owner or Gov't Lot# W Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1701 N 4th Street

City of Present Owner

Superior

54880

License #

State

WI

ZIP Code

54880

Lot#

Reason For Removal From Service WI Unique Well # of Replacement Well Yes No N/A Pump and piping removed? Soil Boring Yes No  $\boxtimes$ N/A Liner(s) removed? 33. Filled & Sealed Well / Drillhole / Borehole Information Yes No  $\boxtimes$ N/A Liner(s) perforated? Original Construction Date (mm/dd/yyyy) Monitoring Well Yes No  $\boxtimes$ N/A Screen removed? 07/06/2016 Yes No  $\boxtimes$ N/A Water Well Casing left in place? If a Well Construction Report is No N/A Borehole / Drillhole Was casing cut off below surface? Yes available, please attach. N/A No Did sealing material rise to surface? Yes Construction Type: Yes  $\boxtimes$ No N/A Did material settle after 24 hours? Drilled Driven (Sandpoint) Dug Yes No N/A If yes, was hole retopped? Other (Specify) Geoprobe If bentonite chips were used, were they hydrated N/A Yes No with water from a known safe source Formation Type: Required Method of Placing Sealing Material Unconsolidated Formation Bedrock Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) Screened & Poured (Bentonite Chips) Other (Explain) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) Neat Cement Grout Concrete 2.1 Sand-Cement (Concrete) Grout Bentonite Chips ☐ No Was well annular space grouted? Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry No. Yards, Sacks Sealant Mix Ratio 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) or Volume (circle one) or Mud Weight 3/8" Bentonite Chips Surface 10.0 0.4 sacks 6. Comments Boring B17D

(mm/dd/yyyy)

Telephone Number

(715)392-7114

### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

	O. b. of E11		Route	to DN	NR Burea	u:									
Verification	Only of Fill	and Seal		Orinki	ing Water			☐ Watershe	ed/Wastew	rater	Reme	liation/	'Redev	elopr	nent
				/Vaste	e Manage	men	t 🗀	Other _							
1. Well Location I							2. Facility	Owner In	formatio	n			ALC: N		
County	WI Unique V Removed W		Hicap #				Facility Name	11 6.		2600 00 01)					
Douglas	. 0					}	USH 2 (Be Facility ID (FIE		eet) (ID# 8	8680-00-01)					
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1/4 / 1/4	1	Section	Township	Ra	ange 🖳	E	Original Well (	Owner		· · · · · · · · · · · · · · · · · · ·					
or Gov't Lot#		1				w									
Well Street Address		L					Present Well (	Owner							
Ballman Street							WisDOT 1								
Belknap Street Well City, Village or To	NAD .		Well ZIF	2 Cor	de de		Mailing Addres	ss of Preser	nt Owner						
Superior			5488		40	ļ	1701 N 4tl				lo. (		770.6		
Subdivision Name			Lot #	_		$\dashv$	City of Presen	t Owner			Stat		ZIP C		
						+	Superior		and Carrie	ng & Sealing		VI	54	880	62.00 This
Reason For Removal I	From Service	WI Unique Well	# of Repla	ceme	ent Well				*****	ig a sealing			N.		AL/A
Soil Boring								piping remo	ved?		☐ Ye		No No	$\boxtimes$	N/A N/A
3. Filled & Sealed	Well / Drillhole						Liner(s) ren				⊢ Ye	믐	No		N/A
Monitoring W	ell	Original Cons		te (m	ım/dd/yyy	y)	Liner(s) per Screen rem				⊢ Ye		No		N/A
☐ Water Well		07/07/201	6				Casing left				⊢ Ye	=	No	X	N/A
	· · · · · ·	If a Well Co	nstruction	Repo	ort is					<del></del>		_=			N1/A
Borehole / Dri	liinoie	available, p	lease attac	h.			,	g cut off belo			∐ Ye	=	No No	H	N/A N/A
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Other (Specify)	Geoprobe						-			e they hydrated		- 23			
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Unconsolidated Fo	ama ati a a		Daduade			ŀ	Required Meth								
			Bedrock				Conduc	tor Pipe-Gra	avity	□ co	onductor	Pipe-P	umped	ı	
Total Well Depth From	Ground Surface	(ft) Casing D	iameter (in	.)			(Benton	ed & Poured ite Chips)			her (Expl		-	_	
Lower Drillhole Diamet	er (in.)	Casing D	epth (ft.)				Sealing Mater			ــــا					
2.1								ement Grout		. 📙	Concre				
Was well annular spac	e grouted?	Yes 🗆	No [	1 115	nknown			ement (Con	,		Benton	ite Chip	ps		
If yes, to what depth (for		Depth to Wate			IKIIOWII		Bentoni		Monitoring	g Well Borehole		nt Grou	ut		
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Name of Person or Firr		Sealing	License	#			te of Filling & \$ m/dd/yyyy)	•		Date Received		Noted	Ву		
Twin Ports Testing	g, Inc.					ļ		07/07/20		<u> </u>					
Street or Route			1	lephone Numb			Comments								
1301 N 3rd St. City			State	P Code		(715)392-71 Signature of P		a Work			Data 6	ignod			
Superior			WI		54880		orginature of P	CISON DOIN	4 4 1 O 1 V	455	<del>}</del>	Date 3	Signed	9 //	6
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☐ Verification Only of Fill and Seal

### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Watershed/Wastewater

Page 1 of 2

Remediation/Redevelopment

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to DNR Bureau:

Drinking Water

				v	Vaste Manage	ment		Other									
1. Well Location Infor	mation	1200				2. Faci	lity /	Owner In	formatio	ń	数数数数		25.		30.5		
County	WI Unique W			Hicap #		Facility N		11 0.	.) (PD !/ 6		.1)						
Douglas	0						$\overline{}$	elknap Stre or PWS)	et) (ID# 8	8680-00-0	11)						
Lattitude / Longitude (see i	nstructions)		Format	Code	Method Code	•	טורו) ל	101 - 1103)									
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or Gov't Lot#						_ w											
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Belknap Street								W Region									
Well City, Village or Town				Well ZIF	Code	1		s of Preser	it Owner								
Superior				5488				Street				State	711	Code			
Subdivision Name				Lot #		City of Pr		Owner			ľ	State	1	54881			
						Super 4 Pum		ner, Scre	an Caein	o & Seal	ing Mate				J States I		
Reason For Removal From	Service \	VI Uniqu	ie Well#	of Replac	cement Well					g a cea		Yes	□ No	egraght class.k	76 DEL DEPRENDIZA		
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Water Well		07/0	7/2016					in place?			П	Yes	∏ No	_	-		
Borehole / Drillhol	struction I		10/	Was casing cut off below surface?  ☐ Yes ☐ No ☒ N/A													
avaliable, please					n		Did sealing material rise to surface?  Vas Casing cut on below surface?  Vas Casing cut on below surface?  Yes No N/A										
Construction Type:	,	_		Did material settle after 24 hours?													
Drilled	L	Dug		If yes, was hole retopped?													
Other (Specify)			If bent	onite	chips were	used, were		ated	.,	<u></u>	_	7					
Formation Type:								rom a know				Yes	No	) <u> </u>	N/A		
Unconsolidated Forma	ation		□в	edrock				od of Placir	•	Material	١	. 5:	_				
Total Well Depth From Gro	ound Surface (	(ft) Ca	asing Dia	ameter (in.	.)	⊠ Sc	reene	tor Pipe-Gra d & Poured ite Chips)	•		Other (		e-Pump 1)	ea			
Lower Drillhole Diameter (i	n.)	Ca	asing De	nth (ft.)		Sealing N	<i>l</i> lateri	als									
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		<del>_</del> \			1	—	nd-Ce	ement (Con	crete) Grou	ut	⊠ Ber	ntonite	Chips				
Was well annular space gr		Yes		No L	Unknown		_	y Wells and	Monitoring			-					
If yes, to what depth (feet)	?	Depth 1	to Water	(feet)				e Chips r Bentonite			tonite - Ce tonite - Sa						
5. Material Used to Fi	ll Well / Dril	lhole				From	20.00	To (ft.)		ards, Sad olume (c	ks Seal	ant	M	x Ra ud W	tio eight		
3/8" Bentonite Chips						Surfa	ce	10.0		0.4 sa	cks						
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Twin Ports Testing, Ir						(mm/dd/yyy	y)	07/07/20	16								
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1301 N 3rd St.						(715)392											
City			ŀ	State	ZIP Code	Signature	e of P	erson Doing	g Work /	2	2	Da	ate Sign	ed //	<i>(</i> -		
Superior				WI	54880					$\longrightarrow$		ر	+11	1//	0		
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### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

	to DNR Bure	au:														
☐ Verification Only	Orinking Wate															
			□ v	Vaste Manag	emei	nt 🗆	Other _									
1. Well Location Inform			74.74 E-3	1	1/2	2. Facility	Owner In	formation		4.12.23		En ur				
	WI Unique We Removed We		Hicap #			Facility Name			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
Douglas		11						et) (ID# 8680	-00-01)							
Lattitude / Longitude (see in:		Forma	t Code	Method Cod	de e	Facility ID (FI	or PWS)									
46.72050 °	N	I	DD	GPS00	8											
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or Gov't Lot#					W	Present Well (	<u></u>									
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Belknap Street						WisDOT I										
Well City, Village or Town			Well ZIF	Code		1701 N 4ti		it Owner								
Superior			5488	0		City of Presen				State	ZIP	Code				
Subdivision Name			Lot#			Superior				WI	1	4880				
							ner Scre	en Casing &	Sealing Ma			<del>1</del> 000				
Reason For Removal From	Service W	/I Unique Well	# of Replac	cement Well		4 Pump, Liner, Screen, Casing & Sealing Material  Pump and piping removed?  Yes No										
Soil Boring						1		vea?	<u> </u>	Yes		⊠ N/A ⊠ N/A				
3. Filled & Sealed Well	/ Drillhole				1 (1) 1 (1)	Liner(s) rer		1	<u> </u>	Yes	∏ No	⊠ N/A				
Monitoring Well		Original Const	truction Dat	te (mm/dd/yy	yy)	Liner(s) per Screen ren			F	Yes	☐ No	⊠ N/A				
☐ Water Well			Casing left			<u> </u>	Yes	∐ No	⊠ N/A							
		Oasing left	- place:				=	=								
Borehole / Drillhole		Was casing cut off below surface?														
Construction Type:						Did sealing material rise to surface?  Yes No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No No Voc No Voc No No Voc No Voc No No Voc No Voc No No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc No Voc N										
Drilled	Driven (	Sandpoint)	Г	Dug		Did material settle after 24 hours?										
Other (Specify) G		• •	_	_		If yes, was hole retopped?										
	eoprobe				<u> </u>		•	•	/ nydrated	Yes	□No	⊠ N/A				
Formation Type:								n safe source ng Sealing Mate	riol							
Unconsolidated Formati	on		Bedrock			l 🗂		•		D'.						
Total Well Depth From Grou	nd Surface (ft	) Casing D	iameter (in.	.)			tor Pipe-Gra	•			e-Pumpe	a				
			•			(Bentonite Chips)										
Lower Drillhole Diameter (in.	1	Casing D	enth (ft )			Sealing Materials										
·	• /	Ousing D	opui (it.)			Neat Cement Grout Concrete										
2.1						Sand-C	ement (Con	crete) Grout	⊠в	entonite	Chips					
Was well annular space grou	uted?	Yes	No L	Unknown		For Monitoring Wells and Monitoring Well Boreholes Only:										
If yes, to what depth (feet)?		Depth to Wate	er (feet)		Bentonite Chips Bentonite - Cement Grout											
							r Bentonite		Bentonite -	Sand Slu	irry					
5. Material Used to Fill						From (ft.)	To (ft.)	No. Yards	, Sacks Sea	alant	Mix	Ratio				
				e e		110111 (12)	10(110)	or Volur	ne (circle o	ne)	or Mu	d Weight				
								_								
3/8" Bentonite Chips						Surface	10.0	0	.4 sacks							
6. Comments	71.97	<u> </u>			126-126-137-26			ness en en en								
Boring B19D		7.52	A Car - Page 14		12004		<u> A transporta</u>	(April 1995) and April 1995			Maria de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de					
Doring D17D																
7. Supervision of Work	Assembly of the second		V1111		77.78					IR Use	Only					
						ate of Filling &	Sealing or V	erification Date	ATTIMITY OF STREET	and the second second	oted By	esternis Rock				
Twin Ports Testing, Inc						nm/dd/yyyy)	07/07/20		u	1,40	Dy					
Street or Route	•				Telephone Number Comments											
1301 N 3rd St.						(715)392-7114										
City			State	ZIP Code	ode Signature of Person Doing Work Date Signed					1						
Superior			WI	54880	Signature of Person Doing Work  Date Signed 7/19//6						7/16					

# State of Wis., Dept. of Natural Resources

#### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015) dnr.wi.gov Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment Other Waste Management 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of County Hicap # Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Method Code Format Code ⊠ DD 46.72058° License/Permit/Monitoring # SCR002 ☐ DDM -92.09380° W OTH001 1/4/1/4 Section Township Range Original Well Owner Ε or Gov't Lot # W Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1701 N 4th Street Superior 54880 City of Present Owner ZIP Code State Subdivision Name Lot # WI 54880 Superior 4. Pump, Liner, Screen, Casing & Sealing Material Reason For Removal From Service WI Unique Well # of Replacement Well Yes No N/A Pump and piping removed? Soil Boring Yes No  $\boxtimes$ N/A Liner(s) removed? 3. Filled & Sealed Well / Drillhole / Borehole information: Yes No  $\boxtimes$ N/A Liner(s) perforated? Original Construction Date (mm/dd/yyyy) Monitoring Well Yes Nο N/A Screen removed? 07/07/2016 Yes No  $\boxtimes$ N/A Water Well Casing left in place? If a Well Construction Report is N/A Borehole / Drillhole Was casing cut off below surface? Yes No available, please attach.  $\boxtimes$ N/A Did sealing material rise to surface? Yes No Construction Type:  $\boxtimes$ Yes No N/A Did material settle after 24 hours? Drilled Driven (Sandpoint) Dug Yes No N/A If yes, was hole retopped? Other (Specify) Geoprobe If bentonite chips were used, were they hydrated N/A Yes No with water from a known safe source Formation Type: Required Method of Placing Sealing Material Bedrock Unconsolidated Formation Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) Other (Explain) Screened & Poured (Bentonite Chips) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) Neat Cement Grout Concrete 2.1 Bentonite Chips Sand-Cement (Concrete) Grout Yes ☐ No Was well annular space grouted? Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurr No. Yards, Sacks Sealant Mix Ratio 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) or Volume (circle one) or Mud Weight 3/8" Bentonite Chips Surface 10.0 0.4 sacks

## 6. Comments

Boring B19E

7. Supervision of Work				DN	R Use Only
Name of Person or Firm Doing Filling & Sealing	Licens	e #	Date of Filling & Sealing or Verification	Date Received	Noted By
Twin Ports Testing, Inc.			(mm/dd/yyyy) 07/07/2016		
Street or Route			Telephone Number	Comments	
1301 N 3rd St.			(715)392-7114		
City	State	ZIP Code	Signature of Person Doing Work ~	2 52	Date Signed //
Superior	WI	54880		5/8	+/19/16

City

Superior

#### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment Waste Management Other 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of acility Name Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) **Douglas** Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Format Code Method Code **GPS008** ⊠ DD 46.72061° License/Permit/Monitoring # SCR002 □ DDM -92.09413° W OTH001 1/4/1/4 Section Township Range Original Well Owner Ε or Gov't Lot # W Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1701 N 4th Street 54880 Superior City of Present Owner State ZIP Code Subdivision Name Lot# Superior WI 54880 4. Pump, Liner, Screen, Casing & Sealing Material Reason For Removal From Service WI Unique Well # of Replacement Well Yes No N/A Pump and piping removed? Soil Boring Yes Nο  $\boxtimes$ N/A Liner(s) removed? 3: Filled & Sealed Well / Drillhole / Borehole Information Yes No  $\boxtimes$ N/A Liner(s) perforated? Original Construction Date (mm/dd/yyyy) Monitoring Well Yes No  $\boxtimes$ N/A Screen removed? 07/07/2016 Yes Νo  $\boxtimes$ N/A Water Well Casing left in place? If a Well Construction Report is Borehole / Drillhole Yes No N/A Was casing cut off below surface? available, please attach. X Yes No N/A Did sealing material rise to surface? Construction Type:  $\boxtimes$ Did material settle after 24 hours? Yes No N/A Drilled Driven (Sandpoint) Dug Yes No N/A If yes, was hole retopped? Other (Specify) Geoprobe If bentonite chips were used, were they hydrated N/A Yes No with water from a known safe source Formation Type: Required Method of Placing Sealing Material Unconsolidated Formation ☐ Bedrock Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.)  $\boxtimes$ Screened & Poured (Bentonite Chips) Other (Explain) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) Neat Cement Grout Concrete 2.1 Bentonite Chips Sand-Cement (Concrete) Grout Yes No Was well annular space grouted? Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurr No. Yards, Sacks Sealant Mix Ratio 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) or Volume (circle one) or Mud Weight 3/8" Bentonite Chips Surface 10.0 0.4 sacks 6. Comments Boring B19F 7. Supervision of Work **DNR Use Only** Name of Person or Firm Doing Filling & Sealing icense # Date of Filling & Sealing or Verification Date Received Noted By (mm/dd/yyyy) 07/07/2016 Twin Ports Testing, Inc. Street or Route Telephone Number Comments 1301 N 3rd St. (715)392-7114

ZIP Code

54880

Signature of Person Doing Work

Date Signe

State

WI

# State of Wis., Dept. of Natural Resources

### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015) Page 1 of 2 dnr.wi.gov Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: □ Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment Waste Management Other 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of Hicap # acility Name Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Format Code Method Code ___ GPS008  $\square$  DD 46.72052° License/Permit/Monitoring # ☐ SCR002 ☐ OTH001 ☐ DDM -92.09418° W 1/4/1/4 1/4 Section Township Range Original Well Owner Ε or Gov't Lot# W Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1701 N 4th Street 54880 Superior City of Present Owner State ZIP Code Subdivision Name Lot # Superior WI 54880 4. Pump, Liner, Screen, Casing & Sealing Material Reason For Removal From Service WI Unique Well # of Replacement Well Yes ☐ No  $\boxtimes$ Pump and piping removed?

Soil Boring						<u> </u>	NZ 11/4
3 Filled & Sealed Well / Drillhole	/ Borehole Information	Liner(s) rer			∐ Yes □ Yes	∐ No □ No	N/A   N/A
Monitoring Well	Original Construction Date (mm/dd/yyyy)	Liner(s) per			☐ Yes	☐ No	⊠ N/A
	07/07/2016	Screen rem			☐ Yes	☐ No	⊠ N/A
<ul><li>Water Well</li><li>☑ Borehole / Drillhole</li></ul>	If a Well Construction Report is available, please attach.	Casing left Was casing	g cut off belo	ow surface?	Yes	No	⊠ N/A
Construction Type:  Drilled Driven	(Sandpoint) Dug	Did materia	ı material ris al settle afteı as hole retop			∐ No ⊠ No ⊠ No	N/A N/A N/A
Other (Specify) Geoprobe		If bentonite	chips were	used, were they hydrate	ed		
Formation Type:		with water	from a know	n safe source	Yes	☐ No	⊠ N/A
Unconsolidated Formation	Bedrock	l — i	hod of Placir	ng Sealing Material	Conductor Pip	e-Pumpeo	 I
Total Well Depth From Ground Surface (f	ft) Casing Diameter (in.)		ed & Poured nite Chips)		Other (Explain	)	•
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	Sealing Mater  Neat Ce	rials ement Grout	:	Concrete		
Was well annular space grouted?	Yes No Unknown	For Monitorin	•	crete) Grout Monitoring Well Boreh		Chips	
If yes, to what depth (feet)?	Depth to Water (feet)		ite Chips ar Bentonite		nite - Cement ( nite - Sand Slu		
5. Material Used to Fill Well / Drill	hole	From (fL)	To (ft.)	No, Yards, Sack or Volume (cir		A CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA	Ratio I Weight
3/8" Bentonite Chips		Surface	10.0	0.4 sack	κs		
				_			
6. Comments							
Boring B19G							

DNR Use Only 7. Supervision of Work Name of Person or Firm Doing Filling & Sealing Date of Filling & Sealing or Verification Date Received Noted By License # (mm/dd/yyyy) 07/07/2016 Twin Ports Testing, Inc. Street or Route Telephone Number Comments 1301 N 3rd St (715)392-7114 Date Signed 子/(9//(6 ZIP Code City State Signature of Person Doing Work Superior WI 54880

☐ Verification Only of Fill and Seal

#### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Watershed/Wastewater

Page 1 of 2

Remediation/Redevelopment

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to DNR Bureau:

Drinking Water

1. Well Location Inform	the second is represented to	A Company of the Company	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Vaste Managen										
					2. Facility / Owner Information									
	WI Unique Well # of Removed Well	·	Hicap#	_	Facility Name									
					USH 2 (Belknap Street) (ID# 8680-00-01)									
Douglas  Lattitude / Longitude (see in	structions)	Format	Code	Method Code	Facility ID (FID or PWS)									
46,72058 °	N	l	DD	☐ GPS008										
-92.09278 °	W		DDM	SCR002	License/Permit/Monitoring #									
1/4/1/4 1/4	Section	n To	ownship	Range E	Original Well Owner									
or Gov't Lot#					ν									
Well Street Address					Present Well Owner									
Belknap Street					WisDOT NW Region  Mailing Address of Present Owner									
Well City, Village or Town			Well ZIP	Code	1701 N 4th Street									
Superior			54886	0	City of Present Owner State ZIP Code									
Subdivision Name			Lot#		Superior WI 54880									
<u> </u>					4. Pump, Liner, Screen, Casing & Sealing Material									
Reason For Removal From	Service   WI Uniq	ue Well #	of Replac	cement Well	Pump and piping removed? Yes No N/A									
Soil Boring	A-so Strangerment-27-77-74 ven	CARTAGORIA SORONIA (PO	Charles or or or	elementari va kolonistiko et kiilgon, a keelisaksi sa ee	Liner(s) removed?									
3. Filled & Sealed Well				<b>in</b> .e (mm/dd/yyyy)	Vac I No I N/A									
Monitoring Well				е (пппаалууу)	Screen removed?									
Water Well	0//	07/2016			Casing left in place?									
Borehole / Drillhole			struction F		Was casing cut off below surface? Yes No N/A									
	ava	nable, ple	ase attach	1.	Did sealing material rise to surface?  Vas Cesting etc on below surface?  Yes No N/A									
Construction Type:			_	<b>-</b>	Did material settle after 24 hours? Yes No NA									
Drilled	Driven (Sandp	oint)	L	Dug	If yes, was hole retopped?									
Other (Specify) _G	eoprobe				If bentonite chips were used, were they hydrated									
Formation Type:					with water from a known safe source Yes No N/A									
Unconsolidated Formati	on	□в	edrock		Required Method of Placing Sealing Material									
Total Well Depth From Grou	and Surface (ft) C	aeina Dia	meter (in.	1	Conductor Pipe-Gravity Conductor Pipe-Pumped									
Total Woll Dopal From Grou	ind curiace (it)	asing Dic	ariotoi (iii.	,	Screened & Poured (Bentonite Chips)									
Lower Drillhole Diameter (in	) (	asing De	nth (ft )		Sealing Materials									
Lower Bristoic Blarrieter (in	,   0	asing De	par (ic.)											
2.1					☐ Neat Cement Grout ☐ Concrete									
2.1					☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips									
Was well annular space gro	uted?	s 🗌 i	No 🗌	Unknown	Sand-Cement (Concrete) Grout Bentonite Chips  For Monitoring Wells and Monitoring Well Boreholes Only:									
		to Water		Unknown	Sand-Cement (Concrete) Grout Bentonite Chips  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips Bentonite - Cement Grout									
Was well annular space gro				Unknown	Sand-Cement (Concrete) Grout Bentonite Chips  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry									
Was well annular space gro	Depth			Unknown	Sand-Cement (Concrete) Grout  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips  Bentonite - Cement Grout  Granular Bentonite  Bentonite - Sand Slurry  From fit \ To fit \ No. Yards, Sacks Sealant Mix Ratio									
Was well annular space ground If yes, to what depth (feet)?	Depth			Unknown	Sand-Cement (Concrete) Grout Bentonite Chips  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite - Cement Grout  Granular Bentonite  Bentonite - Sand Slurry  No. Yards Sacks Sealant  Mix Ratio									
Was well annular space ground If yes, to what depth (feet)?	Depth			Unknown	Sand-Cement (Concrete) Grout  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips  Bentonite - Cement Grout  Granular Bentonite  Bentonite - Sand Slurry  From fit \ To fit \ No. Yards, Sacks Sealant Mix Ratio									
Was well annular space ground if yes, to what depth (feet)?  5. Material Used to Fill	Depth			Unknown	Sand-Cement (Concrete) Grout  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips  Bentonite - Cement Grout  Granular Bentonite  Bentonite - Sand Slurry  From (ff.)  To (ft.)  No. Yards, Sacks Sealant  or Volume (circle one)  Mix Ratio  or Mud Weight									
Was well annular space ground if yes, to what depth (feet)?  5. Material Used to Fill	Depth			Unknown	Sand-Cement (Concrete) Grout  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips  Bentonite - Cement Grout  Granular Bentonite  Bentonite - Sand Slurry  From (ff.)  To (ft.)  No. Yards, Sacks Sealant  or Volume (circle one)  Mix Ratio  or Mud Weight									
Was well annular space ground if yes, to what depth (feet)?  5. Material Used to Fill	Depth			Unknown	Sand-Cement (Concrete) Grout  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips  Bentonite - Cement Grout  Granular Bentonite  Bentonite - Sand Slurry  From (ff.)  To (ft.)  No. Yards, Sacks Sealant  or Volume (circle one)  Mix Ratio  or Mud Weight									
Was well annular space ground of yes, to what depth (feet)?  5. Material Used to Fill  3/8" Bentonite Chips	Depth			Unknown	Sand-Cement (Concrete) Grout  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips Bentonite - Cement Grout Bentonite - Sand Slurry  From (ff.)  To (ff.)  No. Yards, Sacks Sealant or Wolume (Circle one)  Surface  10.0  0.4 sacks									
Was well annular space ground if yes, to what depth (feet)?  5. Material Used to Fill  3/8" Bentonite Chips  6. Comments	Depth			Unknown	Sand-Cement (Concrete) Grout  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips  Bentonite - Cement Grout  Granular Bentonite  Bentonite - Sand Slurry  From (ff.)  To (ft.)  No. Yards, Sacks Sealant  or Volume (circle one)  Mix Ratio  or Mud Weight									
Was well annular space ground of yes, to what depth (feet)?  5. Material Used to Fill  3/8" Bentonite Chips	Depth			Unknown	Sand-Cement (Concrete) Grout  For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips Bentonite - Cement Grout Bentonite - Sand Slurry  From (ff.)  To (ff.)  No. Yards, Sacks Sealant or Wolume (Circle one)  Surface  10.0  0.4 sacks									
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Was well annular space gro If yes, to what depth (feet)?  5. Material Used to Fill  3/8" Bentonite Chips  6. Comments  Boring B20F  7. Supervision of Worl  Name of Person or Firm Doi  Twin Ports Testing, Inc  Street or Route  1301 N 3rd St.  City	Depth Well / Drillhole  ( Ing Filling & Sealing	to Water	License	# ZIP Code	Sand-Cement (Concrete) Grout									
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### Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

Route to DNR Bure							NR Bureau	ı:									
	Verification Only of Fill and Seal Drinking Waste Ma									Watershe	d/Wastew	ater	Reme	diation/	Redeve	elopm	nent
***************************************					v	Vaste	e Manager	_		Other							
1. Well Location		11/2 2/3 2 2 11/3 200 11/1							Facility /	Owner in	formatio	n		72.4			
County		WI Unique V Removed W		) [	Hicap#			ı	cility Name			0.000.00.01					
Douglas		0							CILITY ID (FID		et) (ID#	8680-00-01)					
Lattitude / Longitude	(see ir	nstructions)	F	ormat	Code	Mel	thod Code		Clirty ID (I ID	7011 <b>VV</b> 3)							
46.72044°		N	ļ	⊠ [	DD D	<del> </del>	] GPS008 ] SCR002	Lic	ense/Permi	t/Monitoring	#						
-92.09094°		W			DDM	Ш	OTH001										
1/4/1/4	1/4		Section	То	wnship	Ra	inge 🔲 i	E Ori	iginal Well C	Owner							
or Gov't Lot#								w									
Well Street Address								- 1	esent Well C								
Belknap Street								_	WisDOT N								
Well City, Village or T	Town				Well ZIP	Coc	de	- 1	ailing Addres		it Owner						
Superior					54880	0			1701 N 4th y of Present				Stat	e	ZIP C	ode	
Subdivision Name					Lot#			1	Superior				1	VI	1	880	
										ner, Scre	en, Casir	ng & Sealing					
Reason For Removal	l From	Service	WI Unique	Well#	of Replac	ceme	ent Well		Pump and p				☐ Ye		No	$\boxtimes$	N/A
Soil Boring	Filled & Sealed Well / Drillhole / Borehole Information								Liner(s) ren				☐ Ye	es 🔲	No	=	N/A
Monitoring Well Original Construction Date (mm/do									Liner(s) per				Ye	es 🔲	No	$\boxtimes$	N/A
07/07/2016									Screen rem	oved?			Ye	es 🔲	No		N/A
Water Well	Water Well  If a Well Construction Report is								Casing left	in place?			Ye	s 🗌	No		N/A
Borehole / Drillhole  If a Well Construction Report is available, please attach.									Was casing	cut off belo	w surface	?		es 🔲	No		N/A
available, please attacti.									Did sealing				∑ Y€	es 🗌	No		N/A
Construction Type:  Drilled		Driver	(Sandnoi	nt\	_	٦ ٦	)ug	ŀ	Did materia	ıl settle after	24 hours	?	☐ Ye	es 🔀	No	=	N/A
_		Driver	(Sandpoi	111.)	L		<i>r</i> ug		If yes, wa	as hole reto _l	oped?		∐ Y€	es 🖂	No	Ш	N/A
Other (Specify)	_@	Seoprobe							If bentonite chips were used, were they hydrated with water from a known safe source Yes No								N1/A
Formation Type:													Y6	es	No		N/A
Unconsolidated F	Format	tion		□ ве	edrock			Re	quired Meth		•						
Total Well Depth From	m Gro	und Surface	(ft) Cas	ing Dia	meter (in.	.)		—  <u> </u>	71	tor Pipe-Gra	-		onductor	•	umped		
·			`	Ů	,	•			Screened & Poured (Bentonite Chips)								
Lower Drillhole Diame	eter (ir	1.)	Cas	ing Der	oth (ft.)			Se	aling Materi	ials							
2.1		,						_	_	ement Grout			Concre	ete			
								<b> </b>		ement (Con				ite Chi	os		
Was well annular spa			⊥ Yes		Vo	Un	nknown		T) )	-	Monitorin	ng Well Borehol					
If yes, to what depth	(teet)?	•	Depth to	vvater	(feet)			Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry									
					William Commission	SIL 16 Y			Granula	r Bentonite		ards Sacks			Mix	Ďa <b>ti</b> ,	
5. Material Used	to Fil	l Well / Dri	lihole			111		F	rom (ft.)	To (fL)		aius, sacks /olume (circl			Mud	Contract Contract	222 (222) (222)
			1,000	angare standard											24.41.00	1,22,72	
3/8" Bentonite Cl	hips							_ _	Surface	10.0		0.4 sacks					
														_			
6. Comments	(Z njedist	ALCONOMIC TO THE		(VERNO, )	M. S. o. L. S. o. L.	rei.		1355219				Section 1	GW.Fi	Parkey for			
Boring B22G	A. 40 (\$1.00)		230,4420,5304	280°00 - <u>31.00</u>			The second second	eta segunda	**************************************	Christian St. of Sec.	en en en en en en en en en en en en en e	egati kisar make sa mbakingan	NOT DESERVE AND ASSESSED.	resistant in Palitic	310000000000000000000000000000000000000	respondent	and the second
7. Supervision of										e projective	andres de filosofie de angles de filosofie de angles de filosofie	445,50	DNR U				
Name of Person or Fi		-	Sealing		License	#			of Filling & st	•		Date Received		Noted	Ву		ļ
Twin Ports Testin	ng, In	c.						07/07/2016									
Street or Route								Telephone Number Comments						]			
1301 N 3rd St. City					State	715	Code		15)392-71 gnature of F		a Work			Date 9	igned		
Superior				ľ	WI	ı	54880								•		
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Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

			Route	to DNR Bureau	Bureau:										
Verification On	ily of Hill a	and Seal		Drinking Water		☐ Watershe	ed/Wastewater	Reme	diation/Rede	evelopment					
				Waste Managen	nent [Other _									
1. Well Location Infor					2. Facility	/ Owner In	formation			1.046.05 1.046.05					
County	WI Unique W Removed W		Hicap #		Facility Name										
Douglas	0	J II					et) (ID# 8680-00	-01)							
Lattitude / Longitude (see i		Form	at Code	Method Code	Facility ID (FI	D or PWS)									
46.72025 °	N		_	☐ GPS008	()	is the second second	ш								
-92.09093 °	W	[DDM	SCR002	License/Perm	iit/Monitoring	#								
1/4 / 1/4 1/4		Section	Township	Range -		Owner									
or Gov't Lot #			,		E Original Well	Owner									
Well Street Address	J				Present Well	Owner	-								
Ballman Street						NW Region									
Belknap Street Well City, Village or Town			Well ZII	P Code	Mailing Addre		nt Owner								
Superior			5488		1701 N 41										
Subdivision Name			Lot #		City of Preser	nt Owner		Sta		Code					
					Superior	waterson communication				4880					
Reason For Removal From	Service V	VI Unique We	II # of Repla	cement Well	4. Pump, Liner, Screen, Casing & Sealing Material Pump and piping removed? Yes No										
Soil Boring															
3. Filled & Sealed We	II / Drillhole				Liner(s) re			=	es No	⊠ N/A					
Monitoring Well	-	Original Con	struction Da	ite (mm/dd/yyyy)		1		=	es ∐ No es ∏ No	⊠ N/A ⊠ N/A					
		07/07/20	16		Screen rer			=	es ∐ No es ☐ No	⊠ N/A ⊠ N/A					
Water Well		If a Well C	onstruction	Report is	Casing left	in place?									
Borehole / Drillhole	е		olease attac		Was casin	Was casing cut off below surface?									
Construction Type:					1		e to surface?	= :	es No	∐ N/A					
Drilled	Driven	(Sandpoint)	Γ	Dug		al settle after		=	es 💢 No	∐ N/A					
Other (Specify)	<u> </u>	,	_	_ •	I -	as hole reto	•		es 🔀 No	∐ N/A					
	Geoprobe					•	used, were they hy		es 🗌 No	⊠ N/A					
Formation Type:					-		n safe source ng Sealing Material								
Unconsolidated Forma	tion		Bedrock				ī		Dis. D						
Total Well Depth From Gro	und Surface (ft) Casing I	Diameter (in	1.)		ctor Pipe-Gra ed & Poured	· .	Other (Exp	Pipe-Pumpe	ea					
					(Bentonite Chips)										
Lower Drillhole Diameter (in	n.)	Casing	Depth (ft.)		Sealing Materials										
2.1	,				Neat Cement Grout Concrete										
					— ∐ Sand-C	ement (Con	crete) Grout	⊠ Bento	nite Chips						
Was well annular space gro		_ Yes ∟	No L	Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:										
If yes, to what depth (feet)?	?	Depth to Wa	ter (feet)		Bentonite Chips Bentonite - Cement Grout										
	See To see See		Sallin de la company de la company de la company de la company de la company de la company de la company de la Company de la company de l		Granular Bentonite Bentonite - Sand Sturry No. Yards, Sacks Sealant Mix Ra										
5. Material Used to Fi	ll Well / Dril	lhole		100	From (ft.)	To (ft.)		acks Sealan (circle one)		cRatio d Weight					
3/8" Bentonite Chips					Surface	10.0	0.4	sacks							
						ļ		_		<u>-</u>					
		41.00	WESSELL BY							my erestet Survey					
6. Comments			90 (2) 4 (2) (2) (2)					10 to 10 to	Control (1867)	rk, sitte					
Boring B22H															
7. Supervision of Wo			1000	er forsen i					And the second second second second						
Name of Person or Firm Do	oing Filling & S	ealing	License	e #		_	erification Date Red	ceived	Noted By						
Twin Ports Testing, In	(mm/dd/yyyy) 07/07/2016														
Street or Route					Telephone Number Comments										
1301 N 3rd St.			lor :	·	(715)392-7114										
City			State	ZIP Code											
Superior			WI	54880											

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: ☐ Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment Waste Management Other 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of County Hicap# Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Method Code ☐ GPS008 Format Code DD 🖂 46.72059° License/Permit/Monitoring # SCR002 П DDM -92.09126° W OTH001 1/4/1/4 Section Township Range Original Well Owner Ε or Gov't Lot # W Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1701 N 4th Street Superior 54880 City of Present Owner ZIP Code State Subdivision Name Lot# WI Superior 54880 4. Pump, Liner, Screen, Casing & Sealing Material. Reason For Removal From Service WI Unique Well # of Replacement Well Yes No \boxtimes N/A Pump and piping removed? Soil Boring Yes No \boxtimes N/A Liner(s) removed? 3. Filled & Sealed Well / Drillhole / Borehole Information Yes Nο \boxtimes N/A Liner(s) perforated? Original Construction Date (mm/dd/yyyy) Monitoring Well Yes No \boxtimes N/A Screen removed? 07/07/2016 Yes No \boxtimes N/A Water Well Casing left in place? If a Well Construction Report is Borehole / Drillhole Was casing cut off below surface? Yes No N/A available, please attach \boxtimes Did sealing material rise to surface? Yes No N/A Construction Type: Yes X No N/A Did material settle after 24 hours? Drilled Driven (Sandpoint) ☐ Dug Yes \boxtimes N/A If yes, was hole retopped? Other (Specify) Geoprobe If bentonite chips were used, were they hydrated Yes No ⊠ N/A with water from a known safe source Formation Type: Required Method of Placing Sealing Material Unconsolidated Formation Bedrock Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) \boxtimes Screened & Poured (Bentonite Chips) Other (Explain) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) Neat Cement Grout Concrete 2.1 Sand-Cement (Concrete) Grout Bentonite Chins Yes ☐ No Was well annular space grouted? Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry No. Yards, Sacks Sealant Mix Ratio 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) or Volume (circle one) or Mud Weight 3/8" Bentonite Chips Surface 10.0 0.4 sacks 6. Comments Boring B22I 7. Supervision of Work DNR Use Only Name of Person or Firm Doing Filling & Sealing License # Date of Filling & Sealing or Verification Date Received Noted By (mm/dd/yyyy) 07/07/2016 Twin Ports Testing, Inc. Street or Route Telephone Number Comments 1301 N 3rd St. (715)392-7114

ZIP Code

54880

Signature of Person Doing Work

Date Signed

State

WI

City

Superior

State of Wis., Dept. of Natural Resources

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015) dnr.wi.gov Page 1 of 2 Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: ☐ Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment Other ☐ Waste Management 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of County Hicap # Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Method Code Format Code ☐ GPS008 DD 🖂 46.72058° License/Permit/Monitoring # SCR002 -92.09095° W OTH001 1/4/1/4 Section Township Range Original Well Owner Ε or Gov't Lot# W Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1701 N 4th Street Superior 54880 City of Present Owner ZIP Code State Subdivision Name Lot# wī 54880 Superior 4. Pump, Liner, Screen, Casing & Sealing Material Reason For Removal From Service WI Unique Well # of Replacement Well Yes No \boxtimes N/A Pump and piping removed? Soil Boring Yes No N/A Liner(s) removed? 3. Filled & Sealed Well / Drillhole / Borehole Information Yes No \boxtimes N/A Liner(s) perforated? Original Construction Date (mm/dd/yyyy) Monitoring Well Yes No X N/A Screen removed? 07/07/2016 Yes No \boxtimes N/A Water Well Casing left in place? If a Well Construction Report is Borehole / Drillhole No Was casing cut off below surface? Yes N/A available, please attach. \boxtimes N/A Did sealing material rise to surface? Yes No Construction Type: Yes \boxtimes No N/A Did material settle after 24 hours? Drilled Driven (Sandpoint) ☐ Dug Yes No N/A If yes, was hole retopped? Other (Specify) Geoprobe If bentonite chips were used, were they hydrated Yes No ⊠ N/A with water from a known safe source Formation Type: Required Method of Placing Sealing Material ☐ Bedrock Unconsolidated Formation Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) Other (Explain) Screened & Poured (Bentonite Chips) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) Neat Cement Grout Concrete 2.1 Sand-Cement (Concrete) Grout Bentonite Chips ☐ No Was well annular space grouted? Yes Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) Bentonite Chips Bentonite - Cement Grout

Granular Bentonite Bentonite - Sand Slurry No. Yards, Sacks Sealant Mix Ratio 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) or Volume (circle one) or Mud Weight 3/8" Bentonite Chips Surface 10.0 0.4 sacks

6. Comments

Boring B22J

Name of Person or Firm Doing Filling & Sealing	Licens	e#	Date of Filling & Sealing or Verificat	ion Date Received	Noted By
Twin Ports Testing, Inc.			(mm/dd/yyyy) 07/07/2016		
Street or Route			Telephone Number	Comments	
1301 N 3rd St.			(715)392-7114		
City	State	ZIP Code	Signature of Person Doing Work	(P	Date Signed
Superior	WI	54880		1	7/9/16

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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☐ Verification Only of Fill and Seal						ı:		_										
Drinking Waste M 1. Well Location Information									_	ed/Wastew	vater	L∐ Re	emedia	tion/R	edeve	lopm	ent	
		Edite Section	4 4 22 2 2	<u></u> Ш V	ast	e Manager		t 2. Facility /	Other	r panemar y		1.52.7456	erwayn, e	HOW C	Albertar	1370202	PROFESSOR!	
County		gue Well # of		Hicap #	T.C.	N. 23-25-46-7	11	Facility Name	Owner	iomauc	<i>A</i> 1		E ZHAR		eleginer.	3.54	200000	
County		ed Well						USH 2 (Be	elknan Stre	eet) (TD#	8680-00-0	01)						
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or Gov't Lot#					<u></u>		w l	Present Well ()wner									
Well Street Address							ľ	WisDOT 1		n								
Belknap Street	····						_	Mailing Addres										
Well City, Village or 1	Town			Well ZIP		de		1701 N 4tl	1 Street									
Superior Subdivision Name		·	-	54880 Lot #			\dashv	City of Presen	t Owner				State		ZIP C	ode	_	
Subulvision Name				LOI #			Į	Superior	And the Minister during the	nika sukira na sama bakir sisilama	Compression Calculation Calcul		WI	Production Co.	548		***	
Reason For Removal	I From Service	WI Unia	ue Well i	# of Replac	eme	ent Well	-	4. Pump, Liner, Screen, Casing & Sealing Material										
Soil Boring								Pump and piping removed?										
3. Filled & Sealer	d Well / Dril	hole / Bore	ehole ir	nformatio	n			Liner(s) ren					Yes Yes	=	No No		N/A N/A	
Monitoring V	Vell	Origin	al Const	ruction Dat	e (n	nm/dd/yyyy	/)	Liner(s) per Screen rem					Yes	_	No	=	N/A	
	07/07/2016												Yes	H	No		N/A	
Rerebele / Drillhele																		
Borehole / L	Borehole / Drillhole available, please attach.								Was casing cut off below surface?									
Construction Type:								Did sealing Did materia					Yes	\square	No	=	N/A N/A	
Drilled		riven (Sandp	oint)] [Dug											N/A	
Other (Specify)	Geopro	be					l	If bentonite			e they hydr	ated						
Formation Type:							_	with water t	rom a know	n safe sou	urce		Yes		No	\boxtimes	N/A	
Unconsolidated I	Formation			Bedrock			ı	Required Meth	nod of Placi	ng Sealing	Material_							
		food (ff) C							tor Pipe-Gra	•	<u>_</u>	Condu	ctor Pi	pe-Pu	mped			
Total Well Depth From	in Ground Sur	lace (II)	asing Di	ameter (in.	,				ed & Poured ite Chips)		L] Other	(Explai	n)				
Lower Drillhole Diame	eter (in.)		asing De	epth (ft.)			\dashv	Sealing Materials										
2.1	· ()		uog 2				- 1	Neat Ce	ement Grout	t		= -	ncrete					
							\dashv	Sand-C	ement (Con	crete) Gro	out	⊠ Be	ntonite	Chip	s			
Was well annular spa		Yes		No 📙	Uı	nknown		For Monitoring Wells and Monitoring Well Boreholes Only: Bentonite Chips Bentonite - Cement Grout										
If yes, to what depth	(feet)?	Depth	to Wate	r (feet)					te Chips						i			
	re in a second			**************************************	VP.()		e e		r Bentonite	NIL X	∟∟ Ber ∕ards, Sa	tonite - S			Mix f	100	Of the s	
5. Material Used	to Fill Well	/ Drillhole						From (ft.)	To (ft.)	or v	Volume (c	ircle on	ie)	or	Mud			
3/8" Bentonite Cl	hips							Surface	10.0		0.4 sa	cks						
6. Comments	1.0		AT THE									7.5			To a		7,77	
Boring B22K				25.000001001000000	.4.24-22		Alban III.			HILL HOLD IN								
THE CONSTRUCTION OF THE PARTY O										geografia de la composición dela composición de la composición de la composición de la composición de la composición dela composición de la composición de la composición dela composición de la composición de la composición dela composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la	TONE TONE TONE		<u></u>	a constru	an comme	e de la compansión de l	-335500	
7. Supervision o	and the same of th	• •		(Ψ.		i i	to of Citt	Pauline	(a) (a) (a) (a) (a) (a) (a) (a) (a) (a)	Dot- D		R Use			14.7		
Name of Person or Fi	•	ig & Sealing		License	Ŧ		(m	ate of Filling & and			Date Rece	ivea	IN	oted E	уy			
Twin Ports Testin	ng, mc.		_				(Milliadryyyy) 07/07/2016 Telephone Number Comments											
1301 N 3rd St.							(715)392-7114											
City				State	ZII	P Code	de Signature of Person Doing Work Date Signed .											
Superior									7/9/16									

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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Notice: Completion of this r with chs. 281, 289, 291-293 depending on the program a form to the appropriate DNF	, 295, and 299 and conduct in	9, Wis. Stats., volved. Perso	failure to file mally identifi	this form may able information	result in a forfeitu on on this form is	ire of betwee	en \$10-25,000, or imprison	ment for a	up to one	year,				
☐ Verification On	ly of Fill a	and Seal		o DNR Bureau Prinking Water Vaste Manager		☐ Watershe	ed/Wastewater	Remed	iation/Red	development				
1. Well Location Infor	mation			rasio managei			formation			4444				
County	WI Unique W Removed We		Hicap #		Facility Name		eet) (ID# 8680-00-01)							
Douglas	0				Facility ID (FI		(ID# 0000 00 01)							
Lattitude / Longitude (see i	nstructions)		at Code	Method Code		,								
46.72058 ° -92.08869 °	N W		DD DDM	☐ GPS008 ☐ SCR002 ☐ OTH001	License/Perm	nit/Monitoring	;#							
1/4 1 1/4		Section	Township	Range	E Original Well	Owner								
or Gov't Lot#	-				w									
Well Street Address					Present Well Owner WisDOT NW Region									
Belknap Street					WisDOT NW Region Mailing Address of Present Owner									
Well City, Village or Town	<u>.</u>		Well ZIP	Code	1701 N 41		R OWNO							
Superior			54880	0	City of Preser			State	e Zi	P Code				
Subdivision Name			Lot #		Superior			w	"					
						iner. Scre	en. Casing & Sealing	sing & Sealing Material						
Reason For Removal From	Service \	VI Unique We	II # of Replac	cement Well		piping remo		Yes		o 🛛 N/A				
Soil Boring					Liner(s) re		veur	Yes						
3. Filled & Sealed We	ll / Drillhole	A Total Company of the Street	profite and the street, the but the street	CALADA TO CALADA CONTRACTOR CONTRACTOR				Yes	s 🗍 N	o 🛱 N/A				
Monitoring Well		-		e (mm/dd/yyyy	Screen rer			Yes						
Water Well		07/07/201	16		Casing left			Yes	s 🗍 No	o 🛱 N/A				
Borehole / Drillhole	e		onstruction F olease attact		Was casin	g cut off belo	ow surface?	Yes	s N	o 🛛 N/A				
Construction Types		1,			Did sealing	g material ris	e to surface?	Yes	s ∏ N∙	o 🔲 N/A				
Construction Type: Drilled	☐ Driven	(Sandpoint)	Г	Dug		al settle afte		Yes		=				
	Geoprobe	(L	J9		as hole reto chips were	pped? used, were they hydrated	Yes	s 🔀 N	o N/A				
Formation Type:					with water	from a know	n safe source	Yes	s 🔲 N	o 🛛 N/A				
Unconsolidated Forma	fion		Bedrock		Required Met	hod of Placi	ng Sealing Material							
Total Well Depth From Gro		ft) Casing [Diameter (in.)	Conductor Pipe-Gravity Screened & Poured (Bentonite Chips) Conductor Pipe-Pumped Other (Explain)									
Lower Drillhole Diameter (ii	2)	Casina I	Depth (ft.)		Sealing Mate	rials			-					
•	1.)	Casing	Jepin (it.)		☐ Neat C	ement Grou	<u> </u>	Concret	e					
2.1					Sand-Cement (Concrete) Grout Bentonite Chips									
Was well annular space gro	outed?	Yes	No 🗀	Unknown		ng Wells and	Monitoring Well Borehold	es Only:						
If yes, to what depth (feet)?	?	Depth to Wa	ter (feet)		I —	ite Chips ar Bentonite		e - Cemer e - Sand S						
5. Material Used to Fi	II Well / Dril	lhole			From (ft.)	To (ft.)	No. Yards, Sacks or Volume (circle	Sealant e one)	M or M	ix Ratio lud Weight				
3/8" Bentonite Chips			-		Surface	10.0	0.4 sacks							
6. Comments		ortes decides												
Boring B26D														
7. Supervision of Wo	rk			1000				DNR Us	e Only					
Name of Person or Firm Do	oing Filling & S	Sealing	License	#	Date of Filling & Sealing or Verification Date Received Noted By									
Twin Ports Testing, In	c.				(mm/dd/yyyy) 07/07/2016									
Street or Route					Telephone Number Comments									
1301 N 3rd St.					(715)392-7114									
City			State	ZIP Code	de Signature of Person Doing Work Date Signe 7//6					ed				
Superior			WI	54880	200					1/6				

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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Notice: Completion of this r with chs. 281, 289, 291-293 depending on the program a form to the appropriate DNF	i, 295, and 29 and conduct i	9, Wis. Standard	ats., fail Persona	lure to file Ily identifi	this form may able informatio	result i n on th	in a forfeitu nis form is n	re of betwee	n \$10-25,000, or	imprisonm	ent for up	to one ye	∍ar,			
			. I	Route to	o DNR Bureau	1:										
Verification On	ly of Fill a	and Se	al	□ D	rinking Water			Watershe	ed/Wastewater		Remediat	ion/Rede	velopn	nent		
			- 1	□ v	/aste Manager	nent	. [Other								
1. Well Location Infor	mation			10.00	000 - 100 - 127 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.	Facility I	Owner In	formation		*19 ***********************************		Treste i			
County	WI Unique V		ĵ	Hicap #		Fac	cility Name									
D 1	Removed W	ell	1			Ţ	USH 2 (Be	elknap Stre	et) (ID# 8680-0	0-01)						
Douglas	0		Format	0-4-	Mathad Cada		cility ID (FID	or PWS)								
Lattitude / Longitude (see i	•		-	DD I	Method Code ☐ GPS008											
46.72057 ° -92.08836 °	N W		= -	DDM	SCR002	Lic	ense/Permi	t/Monitoring	ı#							
1/4/1/4 1/4		Section	То	wnship	Range	E Ori	ginal Well (Owner								
or Gov't Lot#						w										
Well Street Address							esent Well (
Belknap Street						_		W Region								
Well City, Village or Town				Well ZIP	Code		•	ss of Preser	it Owner							
Superior				54880)		1701 N 4tl				State	ite ZIP Code				
Subdivision Name				Lot#												
i						Superior WI 54 4. Pump, Liner, Screen, Casing & Sealing Material										
Reason For Removal From	Service	WI Unique	Well#	of Replac	ement Well		□ No	$\overline{\boxtimes}$	N/A							
Soil Boring	Soil Boring Filled & Sealed Well / Drillhole / Borehole Information								ved?	F	Yes Yes		X	N/A		
3. Filled & Sealed We			1260.	Liner(s) ren Liner(s) per			ř	Yes	∃ ‰	X	N/A					
Original Construction Date (mm/dd/y										ř	Yes	☐ No		N/A		
Water Well		- 1	Screen removed? Yes No X													
	_	lf a W	ell Cons	struction F	Report is						Yes		$\overline{\boxtimes}$	N/A		
Borehole / Drillhole	e 	availa	ble, ple	ase attach	າ			g cut off belo		L L	Yes	H No	H	N/A		
Construction Type:						- 1	Did sealing material rise to surface?									
Drilled	Driver	(Sandpoi	nt)		Dug			as hole reto		זֿ	Yes	⊠ No	Ħ	N/A		
Other (Specify)	Geoprobe						•		used, were they h	vdrated			ш			
								•	n safe source	[Yes	☐ No	\boxtimes	N/A		
Formation Type: Unconsolidated Forma			п.	11		<u> </u>			ng Sealing Materia	al						
Unconsolidated Forma	ition		— в	edrock		— Г	Conduc	tor Pipe-Gra	avity	☐ Cond	ductor Pip	e-Pumpe	:d			
Total Well Depth From Gro	ound Surface	(ft) Cas	sing Dia	meter (in.)			ed & Poured ite Chips)		Othe	r (Explair	1)				
Lower Drillhole Diameter (ii	n)	Cas	sing Dep	oth (ft)		Se	aling Mater	ials								
•	· · · /	Joan	ning Dep	Jui (10.)			Neat Ce	ement Grout	:		Concrete					
2.1						C	☐ Sand-C	ement (Con	crete) Grout	⊠ ı	Bentonite	Chips				
Was well annular space gro	outed?	└ Yes	r	No L	Unknown			g Wells and	Monitoring Well	Boreholes	Only:					
If yes, to what depth (feet)?	?	Depth to	Water	(feet)			Bentoni	te Chips		Bentonite -	Cement	Grout				
harmana di Conserva de como provincia de la conserva	and and a second of	SECURIOR SEC	SHEEK OV. OF	enclaire ou con c	ver effektive en alle bestere en fille i	L	□ Granula	r Bentonite	beetlin viewina instantini ine	Bentonite -	Sand Slu	THE RESERVE AND PROPERTY.	SUCCESSION AND VICES	Salaryan Jan		
5. Material Used to Fi	ll Well / Dri	llhole				F	rom (ft.)	To (ft.)	No. Yards, or Volume			Mix or Mu	c Ratio d We			
3/8" Bentonite Chips							Surface	10.0	0.4	sacks						
370 Bentonite emps							Burruce	10.0	0.1	Bucks						
6. Comments	7 (4 m m m	91.1	an saya.		and the second	1-1867 (h 1-1867 (h		l N	L		10 P					
Boring B27A																
7. Supervision of Wo	rk			1.05				197 S 2 S 2 S 2 S 2 S 2 S 2 S 2 S 2 S 2 S	16 C. 16 C.	D	NR Use	Only				
Name of Person or Firm Do	oing Filling &	Sealing		License	#			•	erification Date R	eceived	No	ted By				
Twin Ports Testing, Inc.						(mm/dd/yyyy) 07/07/2016										
Street or Route						Telephone Number Comments										
1301 N 3rd St.			- га	N. 1-	710.0	(715)392-7114 ode Signature of Person Doing Work Date Signed										
City			\$	State	ZIP Code								16			
Superior			1	WI	54880	- 1				\circ	1	<i>,</i> 1, ,	, - '			

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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			Route t	o DNR Bure	au:										
□ Verification (Only of Fill a	and Seal		rinking Wate	·										
			w	Vaste Manag	gemer		Other								
1. Well Location In						2. Facility	Owner in	formation							
County	WI Unique V Removed W		Hicap #			Facility Name									
Douglas	0					Facility ID (FID		et) (ID# 868	0-00-01)						
Lattitude / Longitude (se	ee instructions)	Forma	t Code	Method Co		racility (Fil.) (I PVV3)								
46.72057°	N		DD	☐ GPS00		License/Permi	t/Monitoring	#							
-92.08769°	W		DDM	OTHO											
1/4/1/4 1/4		Section	Township	Range	E	Original Well (
or Gov't Lot#		1			ĺw										
Well Street Address						Present Well (Owner								
						WisDOT 1	W Region	1							
Belknap Street Well City, Village or Tov	Am		Well ZIP	Code		Mailing Addres	ss of Presen	t Owner							
Superior	,vi i		54880			1701 N 4t				- Inc	1				
Subdivision Name			Lot #			City of Presen	t Owner			State	1	Code			
						Superior	ere propriet		Cadina M	WI	54	4880			
Reason For Removal F	rom Service	WI Unique Well	# of Replac	cement Well		4. Pump, Liner, Screen, Casing & Sealing Material									
Soil Boring						Pump and piping removed?									
3. Filled & Sealed \	Well / Drillhold	e/Borehole I	nformatic	n'		Liner(s) removed? Liner(s) perforated? Yes No									
Monitoring We		Original Cons	truction Dat	te (mm/dd/yy	yyy)	Liner(s) per				Yes	∐ No	⊠ N/A ⊠ N/A			
☐ Water Well		07/07/201	6			Screen ren Casing left			Ĺ	Yes	☐ No	⊠ N/A			
		If a Well Co	nstruction F	Report is		Oasing left	iii piace:				=	N/A			
Borehole / Drill		Was casing cut off below surface?													
Construction Type:						1			<u>k</u> [Yes	No No	∐ N/A □ N/A			
Drilled	Driver	n (Sandpoint)		Dug			al settle after			Yes	No.	□ N/A			
Other (Specify)	Geoprobe					1	as hole retop	used, were the	L bydrated						
	Ссоргово				-]		n safe source	y riyurateu	Yes	☐ No	⊠ N/A			
Formation Type:			_					ng Sealing Ma	erial						
Unconsolidated For	rmation		Bedrock			1 🗂	tor Pipe-Gra	•		ductor Pip	e-Pumpe	d			
Total Well Depth From	Ground Surface	(ft) Casing D	iameter (in.	.)			ed & Poured	-		er (Explain	•	-			
						(Bentonite Chips)									
Lower Drillhole Diamete	er (in.)	Casing D	epth (ft.)			Sealing Materials									
2.1						Neat Cement Grout Concrete									
			No.	1 1 1 1 1 1 1 1 1 1 1 1		Sand-Cement (Concrete) Grout Bentonite Chips For Monitoring Wells and Monitoring Well Boreholes Only:									
Was well annular space If ves. to what depth (fe		Depth to Wate	No L	Unknown			-	Monitoring W	7	•	O4				
ii yes, to what depth (le	et) r	Depth to water	ei (leet)			Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry									
			Own the State of the St	Serie (S. Tarana		and the first of		No Vara	Sacks S	at decrease has decreased by		Ratio			
5. Material Used to	Fill Well / Dri	lihole		5. j		From (ft.)	To (ft.)		ime (circle		Company of the same	d Weight			
3/8" Bentonite Chip	os					Surface	10.0		0.4 sacks						
6. Comments	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				gradian.				e maring	September 1		merida d			
											经验的 存在	<u> 1</u>			
Boring B28F															
7. Supervision of V	Nork					JE 17 12 15 15 15 15 15 15 15 15 15 15 15 15 15			'n	NR Use	Only				
Name of Person or Firm		Sealing	License) #		ate of Filling &	Sealing or V	erification Dat	1		ted By	esectory of 655			
Twin Ports Testing		ŭ				nm/dd/yyyy)	07/07/20	I			,				
Street or Route	Telephone Number Comments														
1301 N 3rd St.					(715)392-7114										
City			State	ZIP Code						1//					
Superior			WI	54880		7/19									

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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☐ Verification Only of Fill and Seal						o DNK Bureau	J.		٦									
vormound)	y 01 1 (ana 00a	' I	Drinking Water			☐ Watershed/Wastew			vater Remediation/Red			evel:	opment			
	way water way	Francous Commissions	38452 VA 1976 VA 1972 EL	esentation	N []	/aste Manager			_l Other							Switzer was september 1974 for com-		
1. Well Locatio County	n Intor	mation WI Unique V	Vall # of		liaan #		,	2. Facility / Owner Information Facility Name										
County		Removed W	veii # oi 'eli	[licap#			· ·										
Douglas		0					E	USH 2 (Belknap Street) (ID# 8680-00-01) Facility ID (FID or PWS)										
Lattitude / Longitud	le (see i	instructions)	Fo	rmat C	Code	Method Code	,	(FID 01 FVV3)										
46.72057°		N		⊠ D	סכ	☐ GPS008 ☐ SCR002	li	cense/Perm	it/Monitoring									
-92.08797°		W			DDM	OTH001	-			,								
1/4 / 1/4	<u> </u>						E	Original Well Owner										
or Gov't Lot#						<u> </u>	W F	Present Well Owner										
Well Street Address								WisDOT NW Region										
Belknap Stree							N	Mailing Address of Present Owner										
Well City, Village or	rlown				Well ZIP			1701 N 4t	h Street									
Superior Name					54880)	С	City of Present Owner					State	Z	IP Code			
Subdivision Name					Lot#		L	Superior							548	54880		
Reason For Remov	al From	Service	M/L Unique V	/all # (of Penlac	cement Well		. Pump, L	8 Sealin	g Mate	erial							
Soil Boring	ai Fion	1 Sel vice	vvi Oilique v	ven#	oi Nepiac	entent wen		Pump and	piping remo	ved?			Yes		No [⊠ N/A		
3. Filled & Seal	od We	II / Dellikāla	WEATHE	o inf	Name 17	n ·	2002A	Liner(s) rer	moved?			<u>. </u>	Yes	י 🔲	-	⊠ N/A		
						e (mm/dd/yyyy	/) 	Liner(s) pe	rforated?			ī	Yes	۱ 🖳	No [⊠ N/A		
Monitoring Well 07/07/201						- (´	Screen ren			Yes	<u> </u>	No [⊠ N/A				
Water Well								Casing left			Yes	1 . [No [⊠ N/A				
Borehole / Drillhole If a Well Co								Was casing cut off below surface?							No [N/A		
					ise attaci	1.		Did sealing material rise to surface?							No [N/A		
Construction Type:					7 .		Did materia	al settle afte	r 24 hours?			Yes		No [N/A			
Drilled Driven (Sandpoint)					Dug		If yes, was hole retopped?											
Other (Specify) Geoprobe					-	If bentonite	chips were	used, were	they hydrate	ed								
Formation Type:								with water	from a know	vn safe sour	ce		Yes	i	Vo [⊠ N/A		
☐ Unconsolidated	d Forms	ation	Г	∃ _{Be}	drock		R	Required Method of Placing Sealing Material										
			(n) 0 ·				_	Conductor Pipe-Gravity Conductor Pipe-Pumped										
Total Well Depth Fr	rom Gro	ound Surface ((π) Casin	g Dian	neter (in.)		Screened & Poured (Bentonite Chips) Uther (Explain)										
Lower Drillhole Dia	meter (i	n)	Casin	n Den	th (ft.)		s	Sealing Materials										
	110101 (1	,	Cuoiii	g Dop	(14.)			Neat Cement Grout Concrete										
2.1								☐ Sand-C	ement (Con	crete) Grou	t [⊠ Be≀	ntonite	Chips				
Was well annular s	pace gr	outed?	Yes	N	lo 🗀	Unknown		For Monitoring Wells and Monitoring Well Boreholes Only:										
If yes, to what dept	h (feet)	?	Depth to V	/ater ((feet)			Bentoni	ite Chips		☐ Bento	nite - C	ement	Grout				
	vere s	TO STATE A SECURITION OF STREET	200 Car Charles (100 Ca		metric s. at 1874	Strange of the Williams Strange	S	☐ Granula	ar Bentonite	Principles of a company of	□ Bento	nite - S	and Slu	ırry	NI TONILLIAN	Control of the contro		
5. Material Use	d to Fi	ll Well / Dri	lihole ::					From (ft.)	To (ft.)	No. Ya or V	ırds, Sack olume (cir	s Seal cle on	lant e)		Mix R Mud \	latio Weight		
3/8" Bentonite	Chips						_	Surface	10.0		0.4 sacl	KS						
						·····			-									
6. Comments			Mark the same			7.7.7							70 V 10	C. 1840.	SW.	Tr.		
Boring B28G									2000 <u>- 2000</u>					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1000079970			
7. Supervision	of Wo	rk	- 500 270 - 3									DNF	₹ Use	Only				
Name of Person or			Sealing	<u> </u>	License	#		of Filling &	Sealing or V	/erification [Date Receive			oted By				
Twin Ports Tes		-	-				(mm	n/dd/yyyy)	07/07/20	16				-				
Street or Route		·				<u>-</u>	Tele	phone Numl			Comments							
1301 N 3rd St.							(7	715)392-71	14									
City				s	tate	ZIP Code	Š	ignature of F	Person Doin	g Work	2		D	ate Sig	ned	.11		
Superior WI 54880					718 711					19/16								

Superior

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis, Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: ☐ Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment Other Waste Management 1. Well Location Information 2. Facility / Owner Information WI Unique Well # of acility Name Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Format Code Method Code **GPS008** 46.72044° ⊠ DD License/Permit/Monitoring # SCR002 □ DDM -92.08760° W OTH001 1/4/1/4 Section Township Range Original Well Owner Ε or Gov't Lot # W Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well ZIP Code Well City, Village or Town 1701 N 4th Street 54880 Superior State City of Present Owner ZIP Code Subdivision Name Lot# Superior WI 54880 4. Pump, Liner, Screen, Casing & Sealing Material. Reason For Removal From Service WI Unique Well # of Replacement Well Yes No \boxtimes N/A Pump and piping removed? Yes No N/A \boxtimes Liner(s) removed? 3. Filled & Sealed Well / Drillhole / Borehole Information Yes No X N/A Liner(s) perforated? Original Construction Date (mm/dd/yyyy) Monitoring Well Yes No X N/A Screen removed? 07/07/2016 Yes No N/A Water Well Casing left in place? If a Well Construction Report is Borehole / Drillhole Yes Nο M N/A Was casing cut off below surface? available, please attach. \boxtimes Yes No N/A Did sealing material rise to surface? Construction Type: Yes \boxtimes No N/A Did material settle after 24 hours? Drilled Driven (Sandpoint) Dug Yes No N/A If yes, was hole retopped? Other (Specify) Geoprobe If bentonite chips were used, were they hydrated Yes No N/A with water from a known safe source Formation Type: Required Method of Placing Sealing Material Unconsolidated Formation Bedrock Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) \boxtimes Screened & Poured (Bentonite Chips) Other (Explain) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) **Neat Cement Grout** Concrete 2.1 Bentonite Chips Sand-Cement (Concrete) Grout ☐ No Yes Unknown Was well annular space grouted? For Monitoring Wells and Monitoring Well Boreholes Only: Depth to Water (feet) If yes, to what depth (feet)? **Bentonite Chips** Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry No: Yards, Sacks Sealant Mix Ratio 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) or Volume (circle one) or Mud Weight 10.0 3/8" Bentonite Chips 0.4 sacks Surface 6. Comments Boring B28H 7. Supervision of Work **DNR Use Only** Name of Person or Firm Doing Filling & Sealing License# Date of Filling & Sealing or Verification Date Received Noted By (mm/dd/yyyy) 07/07/2016 Twin Ports Testing, Inc. Street or Route Telephone Number Comments 1301 N 3rd St (715)392-7114 City State ZIP Code Signature of Person Doing Work Date Signed WI 54880

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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Well / Drillhole / Borehole Filling & Sealing Form 3300-5 (R 4/2015) Page 1 of 2

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Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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County	Removed Well	i # Oi	пісар#		1 ,	USH 2 (Belknap Street) (ID# 8680-00-01)								
Douglas	0						et) (ID# 8	8680-00-01)						
Lattitude / Longitude (see ins	structions)	Forma	t Code	Method Code	Facility ID (FID or PWS)									
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-92.08756 °	W		DDM	☐ SCR002 ☐ OTH001	License/Permi	vivionitoring)#							
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or Gov't Lot #				l ' 片 t	E Original Well (₩	Jwner								
Well Street Address			L. \	Present Well (Owner									
					WisDOT 1	W Region	n							
Belknap Street			T		Mailing Addres	Mailing Address of Present Owner								
Well City, Village or Town			Well ZIP		1701 N 4ti	1 Street				(
Superior			5488	0	City of Presen	t Owner		,	State	ZIP Co	ode			
Subdivision Name			Lot #		Superior				WI	548	80			
			<u> </u>		4. Pump, Li	ner, Scre	en, Casir	ng & Sealing Mat	erial	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Reason For Removal From S	Service WI	Unique Well	# of Replac	cement Well	Pump and	oipina remo	ved?		Yes 🗌	No	N/A			
Soil Boring	P. San Van Berlin in Marie 18	Degrae 200 and a	wasining and	New Arms of the Control of the San San San San	Liner(s) ren				Yes 🗍		⊠ N/A			
3. Filled & Sealed Well									Yes 🗍	No	⊠ N/A			
Monitoring Well				e (mm/dd/yyyy)	Screen rem				Yes 🗍	No	☐ N/A			
Water Well	_	07/07/201	5		Casing left				Yes 🗌	No	⊠ N/A			
Borehole / Drillhole		If a Well Co												
		available, p	ease attacl	n	Was casing cut off below surface?									
Construction Type:					Did material settle after 24 hours?									
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Other (Specify) Ge			1 .			e they hydrated								
Formation Type:					with water t				Yes 🗌	No	⊠ N/A			
K7			Daduaale		Required Meti	Required Method of Placing Sealing Material								
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						ite Chips)								
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If yes, to what depth (feet)?	D	epth to Wate	er (feet)			te Chips		Bentonite - C		ut				
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7. Supervision of Work						No. of the case of			R Use On	The same of the same				
Name of Person or Firm Doin	• •	aling	License	#	Date of Filling & (mm/dd/yyyy)			Date Received	Noted	Ву				
Twin Ports Testing, Inc.						07/07/20	16							
Street or Route					Telephone Numb			Comments						
1301 N 3rd St.			0	7710.0	(715)392-71		144		- In					
City			State	ZIP Code	Signature of F	erson Doin	g vvork	$\langle \langle \rangle \rangle$	Date S	Date Signed				
Superior			WI	54880						1.//	<u>~</u>			

Superior

Well / Drillhole / Borehole Filling & Sealing

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Well / Drillhole / Borehole Filling & Sealing

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Well / Drillhole / Borehole Filling & Sealing

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☐ Verification Only	of Fill and S		rinking Water	Watershed/Wastewater Remediation/R					Redeve	lopment				
		v	Vaste Managen	nent	nt Other									
1. Well Location Informa	tion			Harry Street	2. Facility / Owner Information									
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	Section		ownship	Range	Original Well Owner									
or Gov't Lot#				\										
Well Street Address					Present Well Owner									
Belknap Street					WisDOT NW Region									
Well City, Village or Town			Well ZIP	Code	Mailing Address of Present Owner									
Superior			5488		1701 N 4tl					T===	_			
Subdivision Name			Lot #	<u> </u>	City of Presen	t Owner			tate ZIP Code					
					Superior	And Paris Control of the Later	eg Gardelik - Nathana Magada - Magada - Magada - Magada - Magada - Magada - Magada - Magada - Magada - Magada		WI	548	80			
Reason For Removal From Se	rvice WI Uniq	ue Well #	of Replace	cement Well	4. Pump, Liner, Screen, Casing & Sealing Material									
Soil Boring					Pump and p	oiping remo	ved?	=	es 📙	No [⊠ N/A			
3. Filled & Sealed Well /	Drillhole / Bore	hôle li	formatic	in	Liner(s) ren	noved?		=	es 📙		⊠ N/A			
				e (mm/dd/yyyy	Liner(s) per	forated?		=	es 📙		⊠ N/A			
Monitoring Well	07/0	06/2016	<u>,</u>		Screen rem	oved?		=	es 📙	•	⊠ N/A			
Water Well					Casing left	in place?		Y	es	No [N/A			
Borehole / Drillhole			nstruction F ease attacl		Was casino	Was casing cut off below surface? ☐ Yes ☐ No ☐								
	avai	iable, pie	sase allaci	1.		Did sealing material rise to surface?								
Construction Type:	_		_	_	1	Did material settle after 24 hours? ☐ Yes ☐ No ☐ N/								
Drilled	oint)	L	Dug	1	If yes, was hole retopped?									
Other (Specify) Geoprobe							used, were they hydrate	 d						
Formation Type:				with water f	with water from a known safe source Yes No N/A									
Unconsolidated Formation			Bedrock		Required Meth	nod of Placi	ng Sealing Material							
Onconsolidated Formation			beurock		Conduc	tor Pipe-Gra	avity 🔲 (Conductor	· Pipe-P	umped				
Total Well Depth From Ground	Surface (ft) C	asing Dia	ameter (in.	.)	Screene	d & Poured	ı	Other (Exp	olain)					
					(Bentonite Chips)									
Lower Drillhole Diameter (in.)	C	asing De	epth (ft.)		Sealing Materials									
2.1					☐ Neat Cement Grout ☐ Concrete									
\A/	40	П	N- D			Sand-Cement (Concrete) Grout Bentonite Chips For Monitoring Wells and Monitoring Well Boreholes Only:								
Was well annular space groute			No L	Unknown	⊣ ┌ `		· —	•						
If yes, to what depth (feet)?	Deptin	to Wate	r (reet)		Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry									
U		100		/2.0023.6-6-7.a	Granula	r Bentonite	CELLING THE ARCHED AND ARCHED AND ARCHED AND ARCHED AND ARCHED AND ARCHED AND ARCHED A	NAMES OF THE PARTY OF THE PARTY OF THE			ner sign fallers.			
5. Material Used to Fill W	ell / Drillhole			a transfer	From (ft.)	To (ft.)	No. Yards, Sacks or Volume (circ	"是我们的一种"		Mix F Mud	catio Weight			
The Magnetic Section 1997			1.16-12-12-12						221,000	ale recognist	uke ne sa sa da			
3/8" Bentonite Chips					Surface	10.0	0.4 sacks	8						
Sio Bentonite Chips	****		****		Surace	10.0	O. I Buell		_					
	····						-		\top					
6. Comments		-49), 47												
Boring B5E														
7. Supervision of Work								DNR L	Jse On	ly				
Name of Person or Firm Doing	Filling & Sealing		License	#		Sealing or \	erification Date Receive	d	Noted	Ву				
Twin Ports Testing, Inc.					(mm/dd/yyyy)	07/06/20	16							
Street or Route			-		Telephone Numb	er	Comments							
1301 N 3rd St.					(715)392-71	14								
City			State	ZIP Code	Signature of P	erson Doin	g Work Z S		Date S		111			
Superior WI 54880						2/19/16								

Well / Drillhole / Borehole Filling & Sealing

dnr.wi.gov Form 3300-5 (R 4/2015) Page 1 of 2 Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: □ Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment Other Waste Management 1. Well Location Information 2. Facility / Owner Information County Wi Unique Well # of Hicap # Facility Name Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Method Code Format Code ⊠ dd 46.72061° Ν License/Permit/Monitoring # SCR002 ☐ DDM -92.10187° W OTH001 Section 1/4/1/4 Township Range Original Well Owner F or Gov't Lot# W resent Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well ZIP Code Well City, Village or Town 1701 N 4th Street Superior 54880 City of Present Owner State ZIP Code Subdivision Name Lot# WI 54880 Superior 4. Pump, Liner, Screen, Casing & Sealing Material Reason For Removal From Service WI Unique Well # of Replacement Well No \boxtimes N/A Yes Pump and piping removed? Soil Boring N/A Yes No Liner(s) removed? 3 Filled & Sealed Well / Drillhole / Borehole Information N/A Yes No Liner(s) perforated? Original Construction Date (mm/dd/yyyy) Monitoring Well Yes No M N/A Screen removed? 07/06/2016 Yes No N/A Water Well Casing left in place? If a Well Construction Report is N/A Borehole / Drillhole Yes No Was casing cut off below surface? available, please attach. Yes No N/A Did sealing material rise to surface? Construction Type: No N/A Yes Did material settle after 24 hours? Drilled Driven (Sandpoint) Dug \boxtimes Yes No N/A If yes, was hole retopped? Other (Specify) Geoprobe If bentonite chips were used, were they hydrated Nο \boxtimes N/A | Yes with water from a known safe source Formation Type: Required Method of Placing Sealing Material Unconsolidated Formation Bedrock Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) Screened & Poured (Bentonite Chips) Other (Explain) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) Neat Cement Grout Concrete 2.1 Sand-Cement (Concrete) Grout Bentonite Chips Yes ☐ No Was well annular space grouted? Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry No. Yards, Sacks Sealant or Volume (circle one) Mix Ratio 5. Material Used to Fill Well / Drillhole From (ft.) To (ft.) or Mud Weight 3/8" Bentonite Chips Surface 10.0 0.4 sacks 6. Comments Boring B5F

7. Supervision of Work DNR Use Only Name of Person or Firm Doing Filling & Sealing License # Date of Filling & Sealing or Verification Date Received Noted By (mm/dd/yyyy) Twin Ports Testing, Inc. 07/06/2016 Street or Route Telephone Number Comments 1301 N 3rd St. (715)392-7114 City State ZIP Code Signature of Person Doing Work Date Signed Superior 54880

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information. Route to DNR Bureau: Verification Only of Fill and Seal Drinking Water Watershed/Wastewater Remediation/Redevelopment Waste Management Other 1: Well Location Information 2. Facility / Owner Information County WI Unique Well # of acility Name Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS) Lattitude / Longitude (see instructions) Format Code Method Code ☐ GPS008 ⊠ DD 46.72062° Ν SCR002 License/Permit/Monitoring # □ DDM -92.10166° W 1/4/1/4 Section Township Range Original Well Owner Ε or Gov't Lot# W Present Well Owner Well Street Address WisDOT NW Region Belknap Street Mailing Address of Present Owner Well City, Village or Town Well ZIP Code 1701 N 4th Street 54880 Superior City of Present Owner State ZIP Code Subdivision Name Lot# Superior WI 54880 4. Pump, Liner, Screen, Casing & Sealing Material Reason For Removal From Service WI Unique Well # of Replacement Well \boxtimes Yes Nο N/A Pump and piping removed? Soil Boring Yes Nο \boxtimes N/A Liner(s) removed? 3: Filled & Sealed Well / Drillhole / Borehole Information Yes No \boxtimes N/A Liner(s) perforated? Original Construction Date (mm/dd/yyyy) Monitoring Well Yes No \boxtimes N/A Screen removed? 07/06/2016 No \boxtimes Water Well Casing left in place? Yes N/A If a Well Construction Report is Borehole / Drillhole Yes No N/A Was casing cut off below surface? available, please attach. \boxtimes Yes No N/A Did sealing material rise to surface? Construction Type: \bowtie N/A Did material settle after 24 hours? Yes No Drilled Driven (Sandpoint) ☐ Dug No N/A If yes, was hole retopped? Yes Other (Specify) Geoprobe If bentonite chips were used, were they hydrated ⊠ N/A Yes with water from a known safe source No Formation Type: Required Method of Placing Sealing Material ☐ Unconsolidated Formation Bedrock Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) \boxtimes Screened & Poured (Bentonite Chips) Other (Explain) Sealing Materials Lower Drillhole Diameter (in.) Casing Depth (ft.) Neat Cement Grout Concrete 2.1 Bentonite Chips Sand-Cement (Concrete) Grout Yes No Was well annular space grouted? Unknown For Monitoring Wells and Monitoring Well Boreholes Only: If yes, to what depth (feet)? Depth to Water (feet) Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurr No. Yards. Sacks Sealant Mix Ratio 5. Material Used to Fill Well / Drillhole From (ft) To (ft.) or Volume (circle one) or Mud Weight 3/8" Bentonite Chips Surface 10.0 0.4 sacks 6. Comments Boring B5G 7. Supervision of Work **DNR Use Only** Name of Person or Firm Doing Filling & Sealing Date of Filling & Sealing or Verification Date Received Noted By License # (mm/dd/yyyy) 07/06/2016 Twin Ports Testing, Inc. Street or Route Telephone Number Comments 1301 N 3rd St. (715)392-7114 City State ZIP Code Signature of Person Doing Work Superior WI 54880

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

	.,			_,	nking vvater	_	watersned/wastewater					Remediation/Redevelopment				
	or or a second	Separate provider you are		_ Wa	aste Manager		_l Other			NEATH REAL TREATHS (CREATHS) AND MARKET SERVICE AND AND AND AND AND AND AND AND AND AND						
1. Well Location Infor		u		2. Facility / Owner Information												
County	WI Unique W Removed We		Hicap	#		Facility Name										
Douglas	Douglas ()					USH 2 (Belknap Street) (ID# 8680-00-01)										
Lattitude / Longitude (see i		For	mat Code	. 1	Method Code	Facility ID (FID or PWS)										
46.72062 °	N			´ '	GPS008											
		1	□ DDM	Ì	SCR002	License/Perm	it/Monitoring) #								
-92.10136°				.:	OTH001											
		Section	Townsh	"P	Range	Original Well Owner										
or Gov't Lot#						w										
Well Street Address				Present Well	Owner											
Dellanon Cincot							WisDOT NW Region									
Belknap Street Well City, Village or Town			Wal	I ZIP (ando.	Mailing Address of Present Owner										
• •			i		Joue	1701 N 4t	h Street									
Superior				<u>4880</u>	_	City of Preser	t Owner			State	ZIP C	ode				
Subdivision Name			Lot	#		Superior				WI	548	880				
D	0	(f)	- II # - 6 D			4 Pump, L	4 Pump, Liner Screen, Casing & Sealing					995055				
Reason For Removal From	Service V	VI Unique W	ell#ofRe	eplace	ment Well	Pump and	piping remo	ved?		Yes 🗀	No	⊠ N/A				
Soil Boring			ow was entered	Anna ann	ar ot aring to the constitution	Liner(s) re				Yes	No	⊠ N/A				
3. Filled & Sealed We	ii / Drillhole								<u> </u>	Yes	No	⊠ N/A				
Monitoring Well				ı Date	(mm/dd/yyyy	Screen ren				Yes [No	⊠ N/A				
Water Well		07/06/2	016						F	Yes	No	⊠ N/A				
		If a Well	Construct	ion Re	enort is	- Cusing lon	Casing left in place:									
Borehole / Drillhole	9		, please a			Was casing cut off below surface?										
Construction Type:	-					Did sealing material rise to surface?										
Drilled	Driven ((Sandpoint)			Dug	Did materia	Did material settle after 24 hours?									
Drilled Driven (Sandpoint)				L.,J	Dug	If yes, w	as hole reto	pped?	L] Yes ⊠	No	☐ N/A				
Other (Specify)	Seoprobe					If bentonite	chips were	used, were	they hydrated	, –	1					
Formation Type:						with water	from a know	n safe sourc	e L	Yes	No	⊠ N/A				
Unconsolidated Forma	tion	Г	Bedroo	k		Required Met	Required Method of Placing Sealing Material									
		_				— ☐ Conduc	─ Conductor Pipe-Gravity									
Total Well Depth From Gro	und Surface (f	t) Casing	Diamete	r (in.)			Screened & Poured United Chips) Other (Explain)									
						,										
Lower Drillhole Diameter (in	ո.)	Casing	Depth (ft	t.)		Sealing Mater	rials									
2.1						Neat Cement Grout Concrete										
2.1		-		_		──										
Was well annular space gro	outed?	」Yes L	No	Ш	Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:										
If yes, to what depth (feet)?	}	Depth to W	ater (feet)		⊠ Benton	ite Chips		Bentonite - C	Cement Gro	ut					
						Granula	ar Bentonite	Bentonite - S	- Sand Slurry							
5. Material Used to Fi	ll Wall / Drill	hole				From (ft.)	To (ft.)	No. Ya	rds, Sacks Sea	ilant	Mix	Ratio				
J. Malerial Used to Fi	i vveii / Di ili	noie				Fidilitie	10 (11.)	or Vo	olume (circle or	ie) c	r Mud	Weight				
3/8" Bentonite Chips						Surface	10.0		0.4 sacks							
6. Comments									Carrier Contract		T MANAGEMENT					
Boring B6C																
7. Supervision of Wor	rk .					Jenako II-r			DN	R Use Or	ly :	#4. Ca. 31				
Name of Person or Firm Do		ealing	Lice	ense #	 	Date of Filling &	Sealing or V	/erification D		Noted						
Twin Ports Testing, In	c.	•				(mm/dd/yyyy)	07/06/20	16								
Street or Route						Telephone Num			comments							
1301 N 3rd St.						(715)392-71										
City			State		ZIP Code	Signature of I		g Work		Date	Signed					
Superior			WI		54880	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					119/16					
					2 1000							-				

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

☐ Verification C	I —	ว บทห Burea เ rinking Water	i: 	Watershed/Wastewater				Remediation/Redevelopment						
				/aste Manager	nent \Box	nt Other					•			
1. Well Location Inf	ormation		adiati america		2. Facility	/ Owner Ir	formation							
County	WI Unique V		Hicap #		Facility Name									
D 1	Removed Well				USH 2 (Belknap Street) (ID# 8680-00-01)									
Douglas Lattitude / Longitude (se	e instructions)	Forms	at Code	Method Code	Facility ID (FII	Facility ID (FID or PWS)								
46.72062 °	N		DD	☐ GPS008		14 (0 4 11 1	.,							
-92.10018 °	W		DDM	SCR002	License/Perm	License/Permit/Monitoring #								
1/4/1/4 1/4		Section	Fownship	Range	Original Well	Owner				-				
or Gov't Lot#		W	OWNO											
Well Street Address						Present Well Owner								
Belknap Street						WisDOT NW Region Mailing Address of Present Owner								
Well City, Village or Tow	n		Well ZIP	Code	1701 N 4t		il Ownor							
Superior			54880)	City of Preser				State	ZIP C	ode			
Subdivision Name			Lot #		Superior				WI 5488					
	<u> </u>	*****	" 15 .		4. Rump, E	iner, Scre	en, Casing &	Sealing Ma	terial	20000				
Reason For Removal Fro	om Service	WI Unique Well	# of Replac	ement Well	Pump and	piping remo	ved?] Yes [No	⊠ N/A			
Soil Boring 3. Filled & Sealed W			Da Talanda ayay da a	12078 - 201 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Liner(s) re				Yes [No	N/A			
				e (mm/dd/yyyy	Liner(s) pe	rforated?			Yes [No	N/A			
Monitoring Well		07/06/201		5 (IIIII	Screen ren	noved?			Yes [No	⊠ N/A ⊠ N/A			
Water Well					Casing left in place? Yes No									
Borehole / Drillh	iole		nstruction F lease attach		Was casing cut off below surface?									
		availabio, p	iodoo dilaon		Did sealing	material ris	e to surface?	\triangleright	Yes [] No	☐ N/A			
Construction Type:	Did materia	al settle afte	r 24 hours?] Yes 💆	No	☐ N/A							
Drilled Driven (Sandpoint)				Dug	If yes, w	as hole reto	pped?	L	_ Yes ⊵	∐ No	N/A			
Other (Specify) Geoprobe					If bentonite	chips were	used, were the	y hydrated	F	٦	<u></u>			
Formation Type:							n safe source		」Yes ∟	No	⊠ N/A			
Unconsolidated Forr	mation		Bedrock		_ I _	Required Method of Placing Sealing Material								
Total Well Depth From G	Fround Surface ((ft) Casing D	iameter (in.))										
					(Bentonite Chips)									
Lower Drillhole Diameter	(in.)	Casing D	epth (ft.)		Sealing Materials									
2.1						☐ Neat Cement Grout ☐ Concrete								
Was well annular space	arouted?	Yes 🗌	No 🗆	Unknown	☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips For Monitoring Wells and Monitoring Well Boreholes Only:									
If yes, to what depth (fee		Depth to Wat			 [73	ite Chips	, monnonny vv	Bentonite -	•	out				
	,	'	, ,			ar Bentonite		Bentonite -						
5. Material Used to		ilhole	a a		From (ft.)	To (ft.)	No. Yard:	s, Sacks Se me (circle o	alant		Ratio Weight			
							CIVOL	ile (circle o	iie)	OI: IVIGC	weight			
3/8" Bentonite Chips	S				Surface	10.0	0	.4 sacks						
	 _													
74 X	e de l'agreement de les		ALC: New York India						44.75.55	V. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.				
6. Comments Boring B7C	The state of the last	3	6 (* 3036 * 1036) * 2	8/ N										
7. Supervision of Work									NR Use O		W.			
Name of Person or Firm	• •	Sealing	License	#	Date of Filling & (mm/dd/yyyy)		l l	Received	Note	d By				
Twin Ports Testing,	Inc.					07/06/20								
Street or Route					Telephone Num		Com	ments						
1301 N 3rd St.			State	ZIP Code	(715)392-71 Signature of I		a Mork		Doto	Ciano				
City Superior			WI	54880	Signature of I	-eisoii Doll	a Moir	13	Date	Signed 2 //9	16			
Supci 101			J-100U				<u> </u>	7/17/10						

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015) Page 1 of 2

//orification On	مان مد ۱۲:۱۱ م	and Caal	Route to	o DNR Bureau	<u>_</u>										
□ Verification On		rinking Water		☐ Watershe	ed/Wastewater	Reme	Remediation/Redevelopment								
			v	/aste Manager											
1. Well Location Infor						2. Facility / Owner Information									
County	WI Unique W Removed W		Hicap #		Facility Name										
Douglas	0	on.			USH 2 (Belknap Street) (ID# 8680-00-01)										
Lattitude / Longitude (see i	nstructions)	Forma	t Code	Method Code	Facility ID (Fi	Facility ID (FID or PWS)									
46.72032 °	N		DD	GPS008	Liconso/Porn	it/Monitoring	. #								
-92.10095 °	W		DDM	SCR002	License/Permit/Monitoring #										
1/4/1/4 1/4		Section 1	ownship	Range	- Original Well	Original Well Owner									
or Gov't Lot#				1 —	w										
Well Street Address			Present Well Owner												
Belknap Street					WisDOT NW Region										
Well City, Village or Town	Mailing Address of Present Owner														
Superior			Well ZIP 54880		1701 N 4			Cta	- 1	ZID Code					
Subdivision Name			Lot #	<u></u>	City of Prese	nt Owner		Stat		ZIP Code					
					Superior	iner Sem	en, Casing & Se		<u> VI</u>	54880					
Reason For Removal From	Service V	VI Unique Well	# of Replac	ement Well		_				Control of SCHAMPSON	A.S. Composition of the Composit				
Soil Boring						piping remo	ved?	Y€		No 🔀					
3. Filled & Sealed We	ll / Drillhole				Liner(s) re			=	=	No X	=				
Monitoring Well		Original Const	ruction Dat	e (mm/dd/yyyy					=	No 🗵	-				
☐ Water Well		07/07/201	5		Screen rer			⊢ Ye	==	No X					
		If a Well Co	nstruction F	Report is											
Borehole / Drillhole	e 	available, pl													
Construction Type:					1.	Did scaling material rise to surface:									
Drilled	Driven	(Sandpoint)		Dug		Did material settle after 24 hours? If yes, was hole retopped? Yes No N/A Yes No N/A									
Other (Specify) Geoprobe									,5 <u> </u>	NO	ן ואירו				
	beoprobe		-			•	used, were they hyd	arateu Ye	es 🗀	No 🖂	1 N/A				
Formation Type:		, n				with water from a known safe source Yes No N/A									
Unconsolidated Forma	tion		Bedrock			tor Pipe-Gra	· · ·	Conductor	Pine-Pur	mned					
Total Well Depth From Gro	und Surface (ft) Casing Di	ameter (in.))	Screened & Poured (Bentonite Chips) Other (Explain)										
Lower Drillhole Diameter (in	ո.)	Casing Do	epth (ft.)		Sealing Materials										
2.1	•		. , ,		Neat C	ement Grout	t	Concre							
					— ∐ Sand-C	- ☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips									
Was well annular space gro		Yes	No L	Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:										
If yes, to what depth (feet)?	?	Depth to Wate	r (feet)			ite Chips	ent Grout	í							
	gen of the second		Figures and S	L'arich andre Alle	☐ Granul	ar Bentonite			nite - Sand Slurry s Sealant Mix Ratio						
5. Material Used to Fil	ll Well / Dril				From (ft.)	To (ft.)	No. Yards, S or Volume	acks Sealant (circle one)	or	Mix Rat Mud W	10 eight				
-															
3/8" Bentonite Chips					Surface	10.0	0.4 s	acks							
					İ										
					-				\bot						
									İ						
6. Comments	. 13/2/14/17/17	10 Prof. 12 Prof. 10		NAMES ASSESSED.	Unit (Standard Inc.)	<u> </u>	Language Company	ACT THE CONTRACTOR	Augustic Sept.	(1) 4.2 % (3)					
Boring B8D	Wall Trees		LONG LEC		e sicelos restratos	780 (0.24			- 46 km/2 km	14.14.55	25-15-260 No. 1				
Doring DoD															
7. Supervision of Wor	K	V.			1,000			DNR II	se Only						
					Date of Filling &	Sealina or V	erification Date Rec		Noted B		Selection Application				
Twin Ports Testing, In		•			(mm/dd/yyyy)	07/07/20				•					
Street or Route			1		Telephone Num		Commen	ts	<u> </u>						
1301 N 3rd St.					(715)392-71										
City			State	ZIP Code	Signature of I		g Work	~	Date Sig	gned					
Superior			WI	54880			\	5	7	//9//	6				