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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

		I	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 <sup>(1)</sup>	CONTACT <sup>(2)</sup>	CONTACT <sup>(2)</sup>	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 <sup>(3)</sup>																								
1,2,4-Trimethylbenzene	μg/kg	1,382 <sup>(5)</sup>	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 <sup>(5)</sup>	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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		<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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		<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																				
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		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 <sup>(1)</sup>	CONTACT <sup>(2)</sup>	CONTACT <sup>(2)</sup>	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 <sup>(3)</sup>																								
1,2,4-Trimethylbenzene	μg/kg	1,382 <sup>(5)</sup>	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 <sup>(5)</sup>	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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		<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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		<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
sec-Butylbenzene	μg/kg		145,000	145,000		<25.0	<25.0																<50.0	<25.0
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																				
Silver	mg/kg	0.85	391	5,110																				

### Notes

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- 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.
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### 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 <sup>(1)</sup>	CONTACT <sup>(2)</sup>	CONTACT <sup>(2)</sup>	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 <sup>(3)</sup>																								
1,2,4-Trimethylbenzene	μg/kg	1,382 <sup>(5)</sup>	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 <sup>(5)</sup>	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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		<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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		<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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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 <sup>(1)</sup>	CONTACT <sup>(2)</sup>	CONTACT <sup>(2)</sup>	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 <sup>(3)</sup>																									
1,2,4-Trimethylbenzene	μg/kg	1,382 <sup>(5)</sup>	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 <sup>(5)</sup>	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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		<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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		<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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July 2012, December 2014, August 2015, and July 2016

	1		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 <sup>(1)</sup>	CONTACT <sup>(2)</sup>	CONTACT <sup>(2)</sup>	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 <sup>(3)</sup>																									
1,2,4-Trimethylbenzene	μg/kg	1,382 <sup>(5)</sup>	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 <sup>(5)</sup>	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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		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																									
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Mercury	mg/kg	0.208	3.13	3.13																					
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Checked By: A. Schroeder 1/13/16

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	T		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	DA OKODOLINID	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
	1	GW	DIRECT	DIRECT	BACKGROUND SURFICIAL																			
DATE	UNITS	PATH <sup>(1)</sup>	CONTACT <sup>(2)</sup>	CONTACT <sup>(2)</sup>	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 <sup>(3)</sup>																								
1,2,4-Trimethylbenzene	μg/kg	1,382 <sup>(5)</sup>	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 <sup>(5)</sup>	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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		<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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		<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.
- <sup>(3)</sup> 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	INDUSTRIAL	BACKGROUND	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	DIRECT	SURFICIAL																
DATE	UNITS	PATH <sup>(1)</sup>	CONTACT <sup>(2)</sup>	CONTACT <sup>(2)</sup>	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 <sup>(3)</sup>																					
1,2,4-Trimethylbenzene	μg/kg	1,382 <sup>(5)</sup>	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 <sup>(5)</sup>	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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		<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 <sup>(4)</sup>	260,000 <sup>(4)</sup>	260,000 <sup>(4)</sup>		<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
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	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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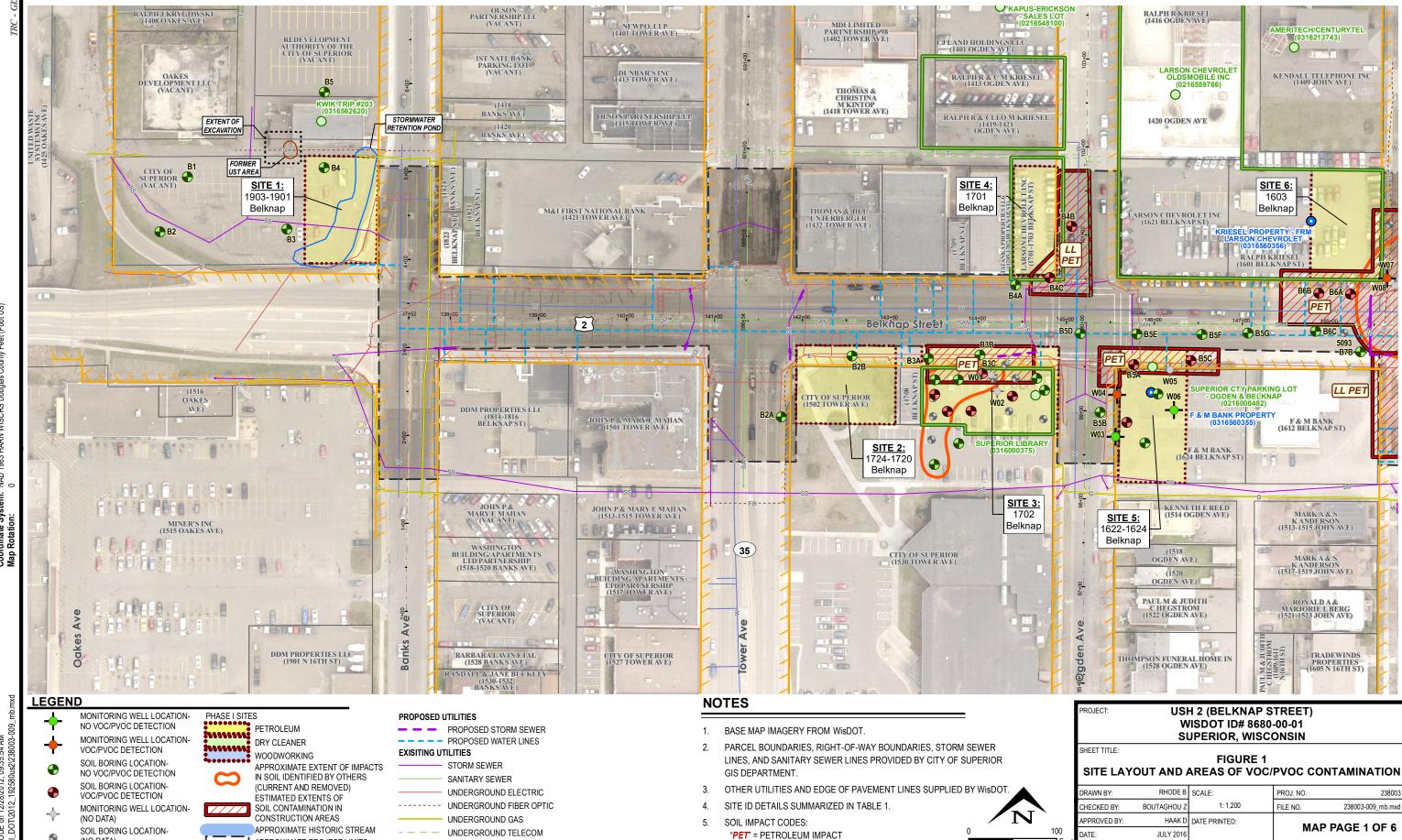
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Updated By: Ted O'Connell 9/1/15, Z. Boutaghou 7/12/2016

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

Checked By: A. Schroeder 1/13/16



"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)

CLOSED BRRTS SITE

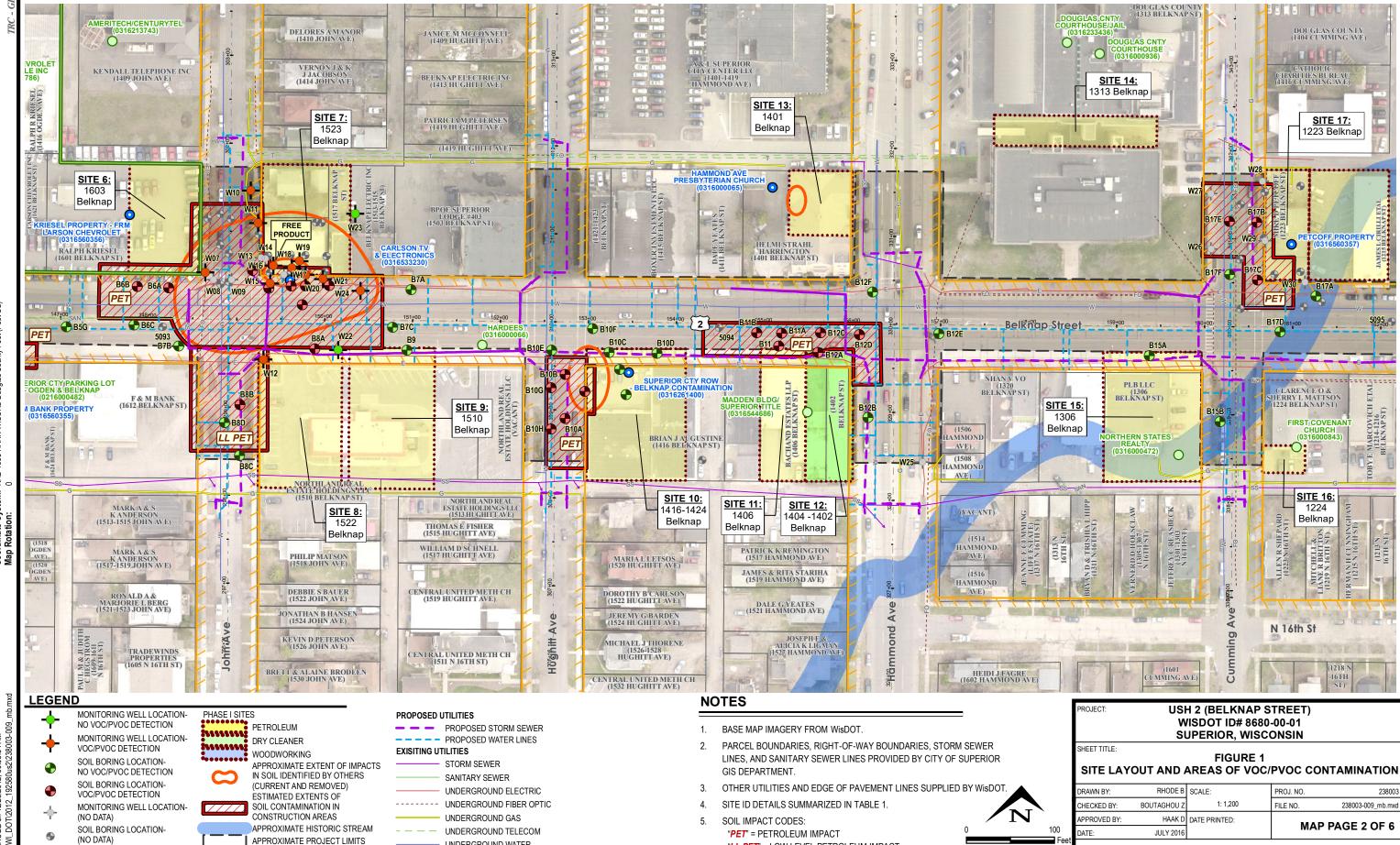
OPEN BRRTS SITE

APPROXIMATE PROJECT LIMITS

PROPERTY BOUNDARY

UNDERGROUND WATER

RIGHT-OF-WAY BOUNDARY



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UNDERGROUND WATER

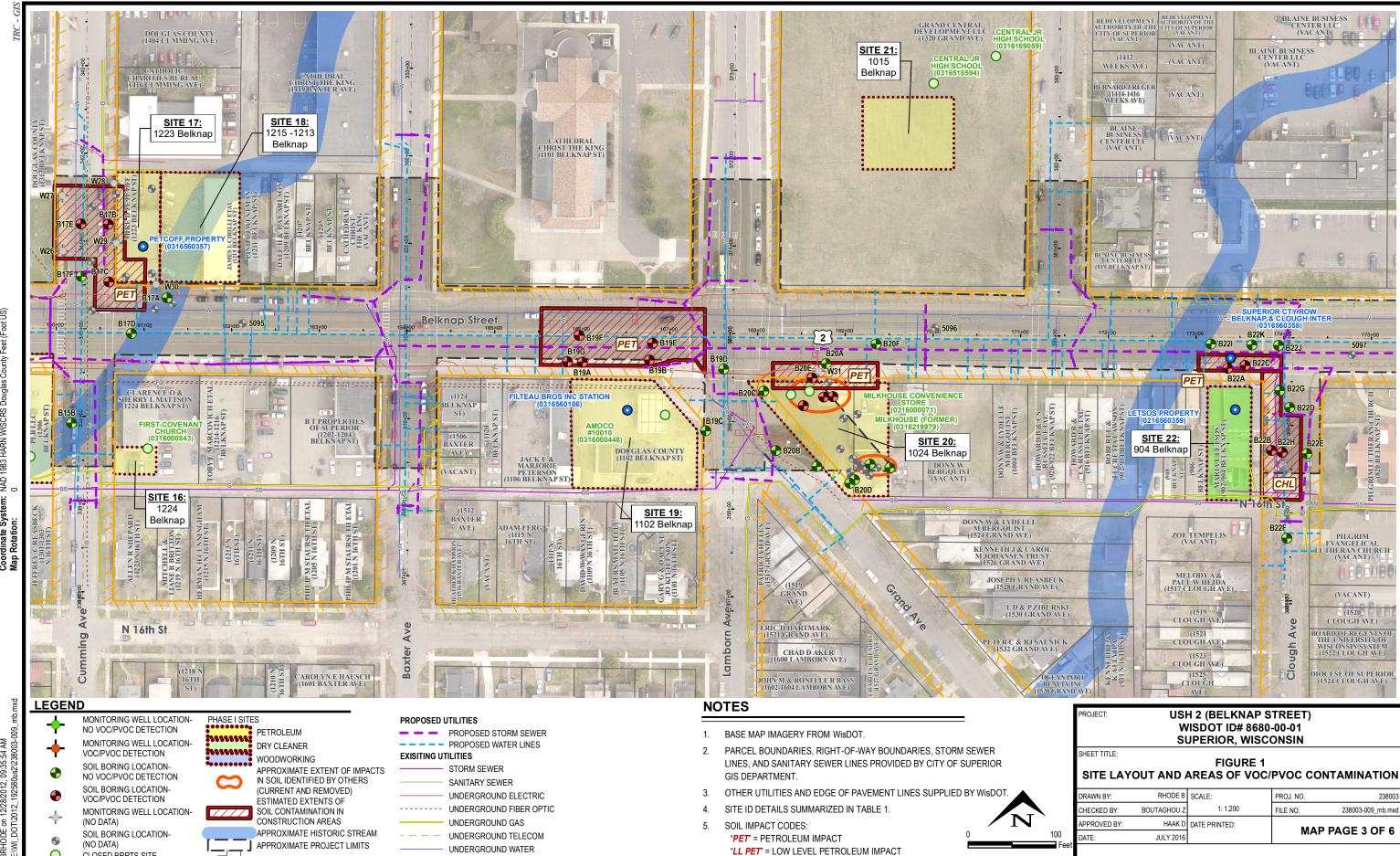
RIGHT-OF-WAY BOUNDARY

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CLOSED BRRTS SITE

OPEN BRRTS SITE

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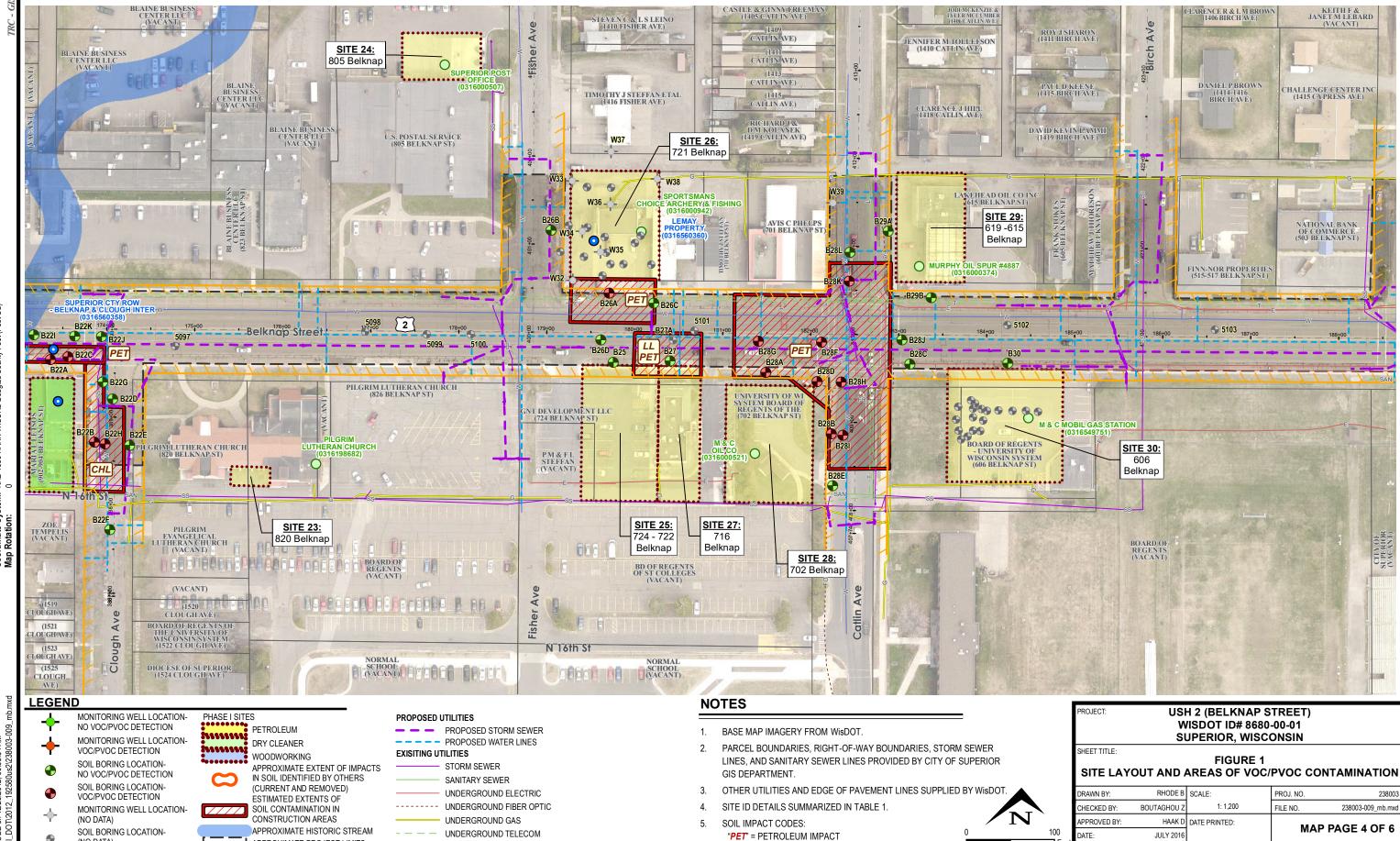
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CLOSED BRRTS SITE

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(NO DATA)

CLOSED BRRTS SITE

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APPROXIMATE PROJECT LIMITS

PROPERTY BOUNDARY

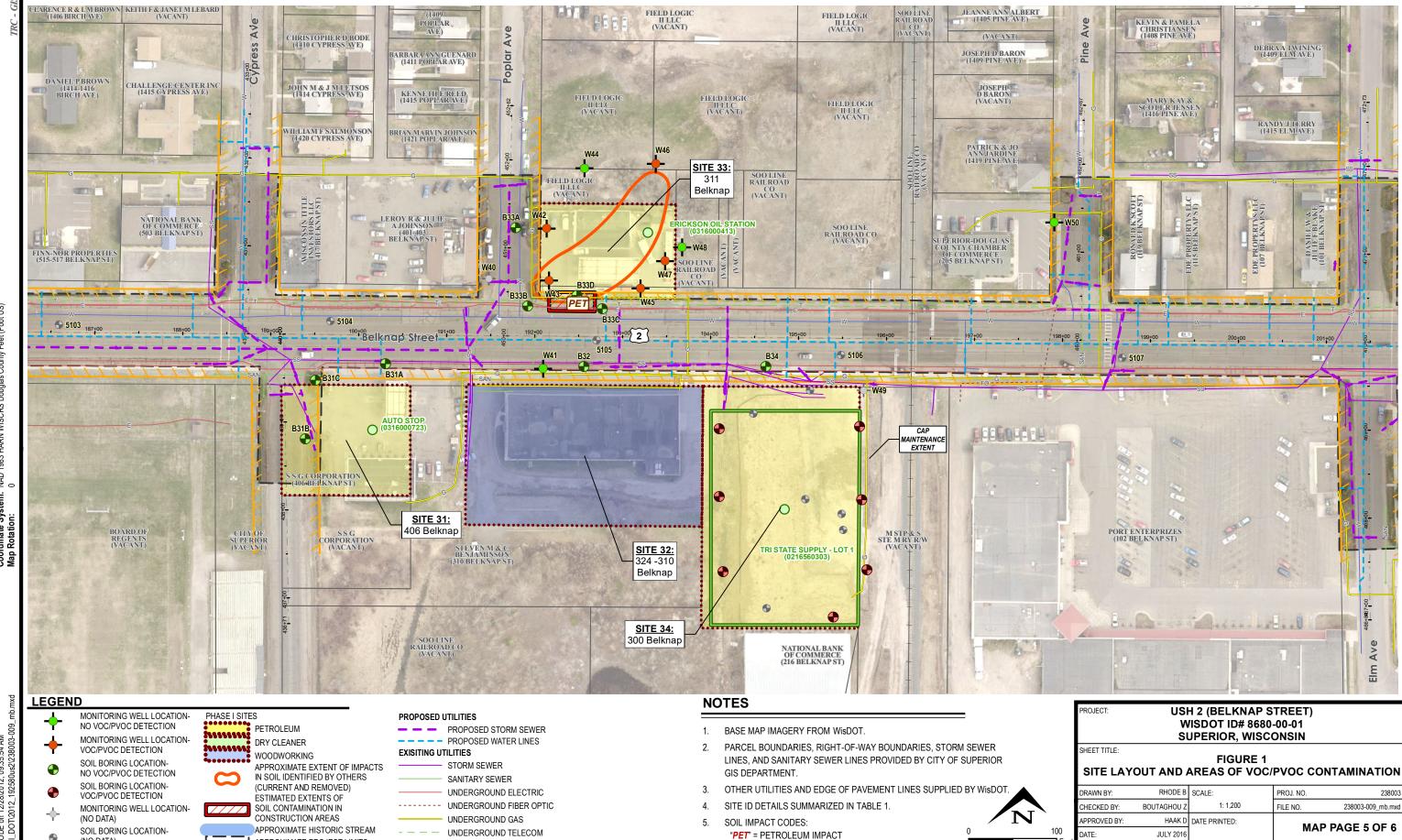
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(NO DATA)

CLOSED BRRTS SITE

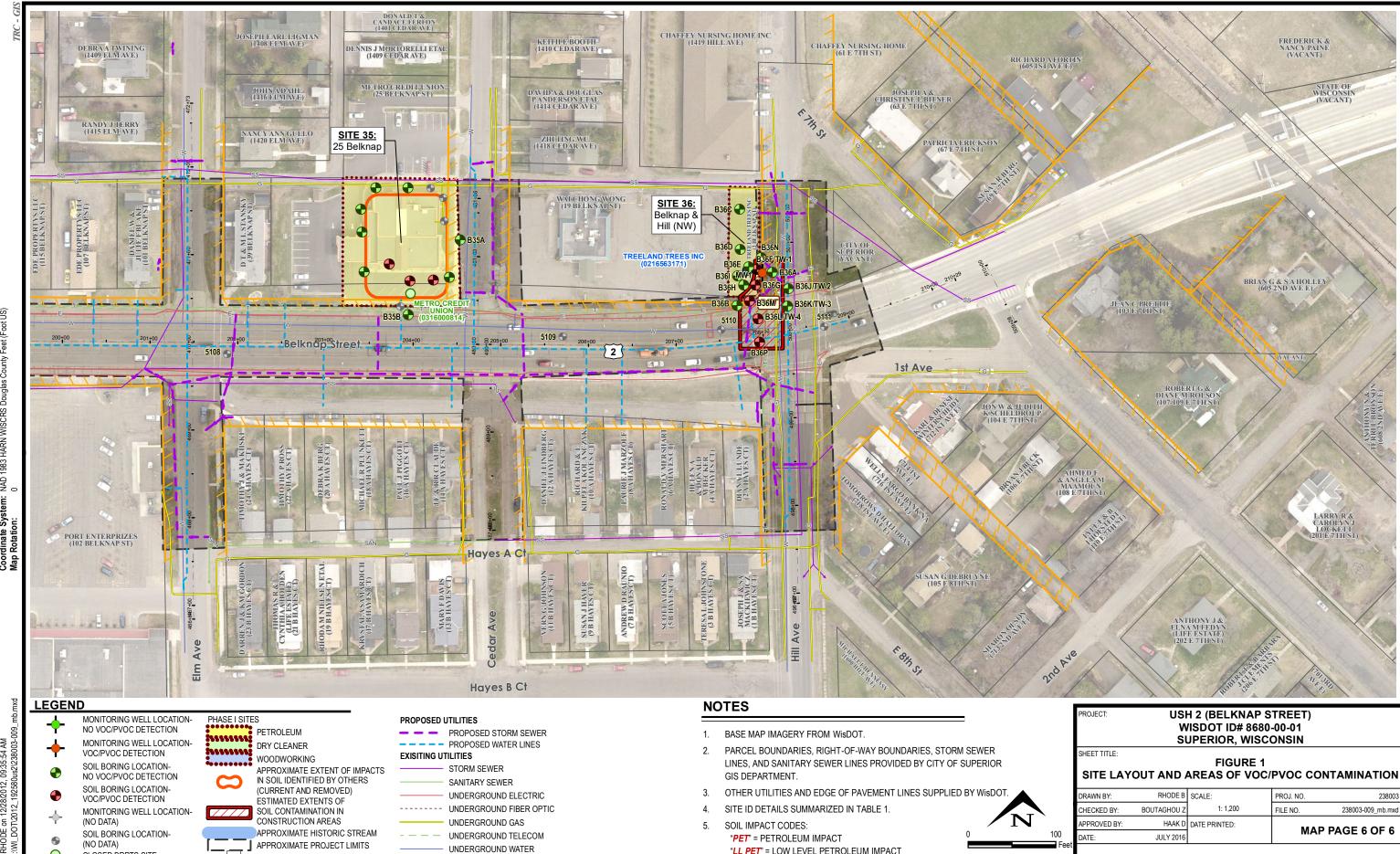
OPEN BRRTS SITE

APPROXIMATE PROJECT LIMITS

PROPERTY BOUNDARY

UNDERGROUND WATER

RIGHT-OF-WAY BOUNDARY



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B.

CLOSED BRRTS SITE

OPEN BRRTS SITE

PROPERTY BOUNDARY

RIGHT-OF-WAY 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 <del>166+00165+50</del> 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</u> (USTs) 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 up-to-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 up-to-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	UNIT
SPV.0060.39	Low Permeable Plug	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:

TTEM NUMBER DESCRIPTION UNIT SPV.0060.83 Trench Plug EACH

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.

			Ro	ute To:	Watershed/Waters	astewater   Redevelopment	Waste l	_	ement				٠				
					Remediation/	Redevelopment	Other							Pag	e 1	of	1
	ty/Projec						License/	Permit/	Monitor	ing Nu	mber		Boring		er		
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Tw	in Por nique W	ts Te	sting, l		Well ID No.	Common Well Name	e Final Sta		2016	1 1	Surface	Elevat	7/6/2	016	IR <sub>0</sub>		eoprobe Diameter
			•	DIVIC	WCII ID 140.	Common wen ivanie		Feet 1		`	Juriace		t MSI	- 			inches
	Grid Or Plane	rigin			☐ ) or Bori , 1,441,968	ng Location 🖂 E S/C/N	La	ıt <u>46</u>	5° 43	' 13	.97"	Local C	rid Loc				
State	1/4	of		/4 of Sec		T N, R	I	g <u>-92</u>		58.	071 "		Feet	∐ N □ s		]	☐ E Feet ☐ W
Facili	y ID				County		County Co	ode	Civil To		ty/ or \	/illage					
Sat	nple				Douglas		16	T	Super	ior			Soil	Prope	erties		
		S	<sub>#</sub>		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		1 1			<u> </u>
Gr [	46		- - 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 <sub>-5</sub>	A a ala													
GP	60		-	As at	oove.			CL									
			-6								0.0	2.9					
			E_														
			<del>-</del> 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											
Signa	ture	<	~		>	Firm T	RC Enviro	onme	ntal								Tel: Fax:

# SOIL BORING LOG INFORMATION

Resources			FOIII 4400-122	Nev. 7-36
	Watershed/Wastewater ☐  Remediation/Redevelopment ☐	Waste Management Other		

	Ro	ute To: Watershed/Wastewater L  Remediation/Redevelopment		Waste N Other	_	ement								
											Pag		of	1
Facility/Project Nam		eet) (ID# 8680-00-01)		License/P	ermit/	Monitor	ing Nu	mber		Boring	Numbe	B10	0F	
		f crew chief (first, last) and Firm		Date Dril	ling St	arted		Dat	te Drilli	ng Con	pleted			ing Method
Twin Ports Tes	sting. I	Inc.			7/6/	2016				7/6/20	016		Ge	eoprobe
WI Unique Well No.		DNR Well ID No. Common We	ell Name	Final Stat	ic Wat	er Leve	1 5	Surface	Elevat	ion		Во	rehole	Diameter
Local Grid Origin	(es	timated:  ) or Boring Location	$\boxtimes$	<u>_</u>	Feet N				Fee Local G	t MSI irid Loc			2.1	inches
State Plane		,618 N, 1,442,015 E S/C/	_	Lat			' 14.2 ' 57.4							Е
1/4 of Facility ID	1	/4 of Section , T N, F	₹	Long County Cod	-92 de	Civil To			/illage	Feet				Feet W
		Douglas		16		Super	rior			G '1	<u> </u>			
Sample		Soil/Rock Description	<b>~</b>								Prope	erties		
e Att. & ed (in)	Feet	And Geologic Origin					-1		ssive	0		<b>5</b>		ıts
Number and Type Length Att. & Recovered (in) Blow Counts	Depth In Feet	Each Major Unit			uscs	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 60 GP 48	-	CONCRETE			·	D A A A								
2 GP 54		LEAN CLAY (CL), plastic, reddish brown, no odor, no n stiff.  As above.  E.O.B. at 10' bgs.	5YR 5		CL			0.1	3.6					Soil sample from 8.0 - 10.0' bgs.
I hereby certify that	the info	rmation on this form is true and correc	t to the be	est of my kn	owled	ge.	I	<u> </u>	<u> </u>		L			
Signature		2 Fi	irm TR	.C Enviro	nmen	tal								Tel: Fax:

Signature	~	)	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	· ID		eoprobe
WI Un	ique w	ell No.	•	DNK	Well ID No.	Common Well	Name	Final Sta	itic wa Feet I		<sup>31</sup>	Surrace	Elevat Fee	non et MSI	· .	Bo		Diameter inches
Local (	irid Or	igin			☐ ) or Bo		$\overline{\mathbb{X}}$	<u> </u>			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		<u> </u>		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								
<b>™</b> 🖥	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		<b>51</b> .			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							
			E						,		1	ļ						
冒			_8								1	728	2.2					Soil sample
亅			F								}	/20	2.2					from 8.0 -
亅			_9															10.0' bgs.
冒			-															
4			-10	EOI	B. at 10' bgs					Y//_	1							
				2.0.1	10 050	•												
																L		
	-	y that	the info	rmation o	on this form is t	rue and correct to		· ·										
Signatu	ıre	2	<u>`</u>	3		Firm	<sup>n</sup> 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	et 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	_							_				□Е
Facili	1/4	of	1	/4 of Sec	ction , County	T N, R	County C	ng <u>-92</u>	Civil To	58.0		/illage	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	<b>.</b>	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	<del></del>		12		<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	1.2					
			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			<del>-</del> 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 <sup>7</sup> - 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		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					-	<del></del>		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		<del></del>										
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									
			<del>-</del> 6									18.3	3.2					
E																		
			<u></u>								1							
			F.								]							
			8 									6.7	2.75				-	Soil sample from 8.0' -
Ē			<u>_</u> 9															10.0' bgs.
			<u> </u>								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 H	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 <sub>C</sub>
1 GP	60 30		F	CON	<b>ICRETE</b>				0 4 A								
			E,	SUB	BASE, sand	and gravel.											
			<b>þ</b> '	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			<b>F</b> .														
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 <sub>7</sub>								1						
			<b>'</b>														
Ē			Ε,														
E			<del>-</del> 8								ļ						Soil sample
=										1							from 8.0 <sup>†</sup> - 10.0' bgs.
			<del>-</del> 9														
			F														
╘			<del>-</del> 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	•	<del>'</del>	>	<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			450.04.1		. D		. 5		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		<b>x</b>		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								
<b>。</b> 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										-	
			<del>-</del> 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>		<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								
<del>-</del> '''	. 75					- I= :							Pag		of	1
	ty/Projec			eet) (ID# 8680-00	) <u>_</u> 01)	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	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	Ъ	<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>2</u>	stiff.	no odor, no moisture	e, very			1							
E			Ė													
			<u>-</u> 3						1							
			F						1	<1	3.5					
			E <sub>4</sub>													
			<b>_</b>						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									
			<del>-</del> 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 <sup>7</sup> -
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	<del></del>	I	I		
Signat	-	<del>,</del>	7			RC Enviro										Tel:
_	`	` <	$\sim$		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	<b>1 By</b> : 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>		<del></del>						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	<u>≯ ∩</u>	A.	S C	20	77	A H	_Д	20
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			
			<del>-</del> 7														
=			E													]	
			F-8								01	3.25					Soil sample
			-							1							from 8.0 <sup>†</sup> - 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					<b>र</b>
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 <sup>†</sup> - 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										<b>Т</b> .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 <b>-</b> 00-01	1)	License	Permit/	'Monito	ring Nu	ımber		Boring	Numb	er B1'	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- Damaninetian							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			<b> </b>														
2 GP	60		<u>-5</u>	As at	oove.												
Gr	60		F								1						
			F-6					- CT			244.4	3.25					
			<b>F</b>					CL									
			<u>-</u> 7														
			<b>F</b> .							1							
E			<u>-</u> 8							1	156.4	2.4					Soil sample from 8.0' -
			<b>-</b>							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

			Ro	oute To:	Watershed/Waters			Waste I Other	_	ement								
Facili	ty/Proje	ct Nan	ne					License/I	Permit/	Monitor	ing Nu	mber	1	Boring	Pag Numbe		of	1
US	H 2 (I	Belkn	ap Str		# 8680 <b>-</b> 00-01											B1′		·
Borin	g Drille	d By:	Name o	f crew chi	ef (first, last) ar	nd Firm		Date Dri	lling St	arted		Dat	te 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 W	/ell ID No.	Common W	ell Name	1	tic Wa Feet I		1	Surfac	Elevat Fee	tion et MSI		Во		Diameter inches
	Grid O	rigin			☐ ) or Bori				t46		' 14.	832 "	Local G				2.1	<u>menes</u>
State	Plane 1/4	of		,663 N, 1/4 of Secti	1,442,740	E S/C T N,	_	1	-92		<u> 47.0</u>			Feet			1	☐ E Feet ☐ W
Facili				C	County	1 11,		County Co		Civil To	own/Ci		/illage	1 001				
Sat	nple			I	Douglas			16		Super	ior			Soil	Prope	rtios		
	TÎ.				Soil/R	ock Descript	ion								Тюрс	rues		
٦ ×	Att. d	ounts	n Fee			ologic Origir					ď		ssive	p		ξί		ınts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		. /	h Major Uni	t		uscs	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 42		Ė	CON	CRETE					0 4 4 0 0		1						
			-1		BASE, sand a RLY-GRAI					$\times \times$		1.2	0.25					
			-	mediu	m grain, sub	-rounded,	7. <b>5</b> YŔ	4/6	SP									
			<u></u> −2	strong	brown, no o	odor, mois	t, loose.											
			<u>-3</u>	LEAN	N CLAY (Control of the control of th	L), plastic	t very	1/6 stiff					2.25					
			-	John	isii ioa, iio v	3401, 111013	,, very .	51111.				<1	2.25					
			4															
			= _															
2 GP	60 54		<u></u>	As abo	ove.													
			<u>-</u> 6										2.6					
=			Ē						CL			<1	3.6					
			7															
			-															
			<u>-</u> 8									<1	3.2					Soil sample from 8.0' -
			<u>-</u> 9												-			10.0' bgs.
			-															
E			-10	E.O.B	. at 10' bgs.				-	///								
					<b>3</b> ·													
	-	fy that	the info	rmation or	n this form is tr			est of my kr	owled	ge.								
Signa	ture	~	Z	\ <u>\</u>	<del></del> -	F	Firm TR	RC Enviro	nmer	ntal								Tel: 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>	_ × 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								<b>BOR</b> 100-122		LOG		<b>RM</b> 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	<del></del> -	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					
			_4							}							
			F .							]							
			<u>-</u> 5			444											
2  = GP  =	60 60		Ė	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					
			<del>-</del> 7							}							
			E							1							
=			-8							1	26.7	2.4					Soil sample
			E							1	20.7	2.4				ı	from 8.0 <sup>†</sup> -
			_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
Doring 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/ <b>®</b>	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>	<del>[ _</del>	CON	CRETE				Þ	D J	≶ <u>∩</u>	l d	ပအ	≥ O	ÄÄ	교표	<u>Ч</u>	<u> </u>
1 60 GP 48		þ							244	1			ļ	ļ			
<u> </u>		-1		BASE, sand				-	$\rightarrow \rightarrow \rightarrow$	-	<1	2.8	İ				
		-	LEA!	<b>N CLAY (C</b> 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								]							
, <b>a</b>		-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.
		<b>þ</b> 1								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 EHVIFO	ımıei	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		<del> </del>			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	)<	<b>-</b>	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				Feet 1				Fee	t MSI				inches
	Grid Or Plane	rigin			: 🗌 ) or Bo [, 1,443,644	ring Location 🔯 E S/C/🕅	La	t <u>46</u>	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		<del></del>
		70	#		Soil/F	Rock Description						0		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 J	<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	hove elightly	fatter and wetter	ot 7 5!					i		ŧ			
			-8	bgs.	oove, siigiluj	ratter and wetter	at 7.5				<1	2.0					Soil sample
																	from 8.0 <sup>†</sup> - 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 <del>r</del> 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		eoprobe Diameter
WI OI	uque w	CII IVO.	•	DIVIC WEILD IV	10.	illilloli Well Ivallic		Feet I		'	Surraci		t MSI	Ĺ	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		-
. 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 <sup>2</sup> 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
<del>- 11</del>	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	<b>₹</b>		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	o, vory			1							
			-3								_1	2.0					
=			E								<1	2.0		ļ			
			_4														
			E							1							
2	60		<u></u> 5	As ab	ove.								 	]			
GP	60		E					CL									
			<u></u> 6								<1	2.0					
			<b>F</b> _							1							
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			F °								<1	2.1					Soil sample from 8.0' -
=			E_9														10.0' bgs.
=			E							1							
Ę			-10	EOE	B. at 10' bgs.				1//	}							
				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	<del> </del>	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		<u>-</u>	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									- %	
			<del>-</del> 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	tarted		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										
			<b> </b>	stiff.	wish ieu, no	odor, no moisture	, very									İ	
			<u>-3</u>							1 1					:	1	
			E							]	0.3	2.4				ı	
			-4													<del>!</del>	
Ē			E													1	
2 🗏	60		_5	As ab	ove											ı	
2 GP	60		-	115 00	,040.			CL									
			<del>-</del> 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.										
			<b>F</b> .							1							
			<del>-</del> 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				<del></del>	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>B</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		
	<b>&amp;</b> (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	
			<del>-</del> 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	arted		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
<del>1</del>	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
Facilit	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	<b>.</b>	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								
E			<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										
			<b> </b>	Suit.	•							<u>'</u>					
			F <sub>2</sub>														
			-3								0.9	3.1					
			<u> </u>														
			-4		•												
			E														
2 GP	60		<u></u> 5	As ab	ove.												
GP	60		F					CL									
			<u>-</u> 6				•				<1	2.75					
=			-									2.75					
			<del>-</del> 7	·													
=			E														
			-8														
		l	F								<1	3.0					Soil sample from 8.0' -
=			<u>-</u> 9														10.0' bgs.
			<b> </b>														
			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,		<del></del>	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' -
=			<del>-</del> 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**

Form 4400-122 Rev. 7-98

			<u>Ro</u>	oute To:	Watershed/Wa	astewater   Redevelopment	Waste I	_	ement								
						•								Pag	ge 1	of	1
	ity/Projec			() (TD	NU 0 C 0 0 0 0 0 1		License/	Permit/	Monito	ring Nu	ımber		Boring	Numbe		217	
					0# 8680-00-01 nief (first, last) ar		Date Dri	lling St	tarted		Da	te Drilli	ng Con	npleted	B28		ing Method
		_		_	, ,												
	in Por				Well ID No.	Common Well Name	Final Sta		2016	1 1	Surface	e Elevat	7/7/2	016	Bo		eoprobe Diameter
**1 0	inque w	OIII	,,	Divic	WON 115 1 10.	Common Wen Name	I	Feet I		1	Durrac		t MS	L	Bo		inches
	Grid Or	rigin			☐ ) or Bori		Ta	ıt <u>46</u>	° 43	' 14.	048"	Local C	rid Lo	cation			
State	Plane 1/4	of		,320 IN 1/4 of Sec	, 1,444,921 .	E S/C/N T N, R	<b>I</b>	g <u>-92</u>		15.			Feet	⊔ N S □			□ E Feet □ W
Facili	ty ID		<u>.</u>		County	1 11,10	County Co	de	Civil To	own/Ci		Village	1000				Teer - W
			T	<u> </u>	Douglas		16		Super	rior		Т	~ ''				
Sa	mple				a 11 m								Soil	Prope	rties		<u> </u>
	tt. & d (in)	ınts	Feet			ock Description ologic Origin For						ive					83
ber	th A	, Zo	h In			h Major Unit		CS	hic	ram	E	press	ture	T E	icity		// ment
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			······ <b>y</b> - ·· · · · · · · ·		O S O	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			-	CON	CRETE				0 4 9								
Gr	40		Ė,	SUB	BASE, sand a	and gravel.			XX								
1			- 1	LEA	N CLAY (C	L), low plasticity	, 2.5YR				4,096	3.6					
			_2	3/1 d	lark reddish g ture, stiff to v	rey, petroleum od	lor, no										
			E	111013	ture, surr to v	cry sum.											
			-3							]	2 704	1,0					
			E								3,704	1.8					
			-4	A a al	harvar intanval	from 3' to 5' bgs	haa										
				medi	um plasticity,	slightly less petr	oleum										
1 GP	60		5	odor.	•					1							
GP	60		E					CL		]	:						
- 1.	_		-6								3,751	3.25					
			E	As al	bove, wetter a	and fatter over 6' t	to 7' bgs										
			<u></u>	inter	val.												
			<b>F</b> .							1							
			<del>-</del> 8								185.4	1.6					Soil sample from 8.0' -
			<u>-</u> 9														10.0' bgs.
1			E														
			-10	As al	bove; higher i	plasticity from 9'	to 10'			1							
				E.O.	B. at 10' bgs.		/										;
		L															
	•	fy that	the info	rmation	on this form is tr	ue and correct to the b											· · ·
Signa	uure		2_	$\geq$		Firm TI	RC Enviro	nmer	ıtal								Tel:

#### 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 13 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	8 ±		<b>\$</b>		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							
			<del>-</del> 3							1	820	2.3					
•			Ē							]							
			<del>-</del> 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	rigin	☐ (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.													
=			<del>-</del> 7														
			-							1							
			<del>-</del> 8								640	2.1					Soil sample from 8.0' -
=			<u>-</u> 9							1							10.0' bgs.
			<b> </b>														
			F <sub>10</sub>														
				E.O.	B. at 10' bgs.												
																l	
							····							<u> </u>			
	-	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 oron omer (mon, 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	<sub>it</sub> <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			<b>F</b> _													
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.												
								1								
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	-1111101	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								
<del>-</del> 40		. 37			<del> </del>		1	<del></del>						Pag		of	1
	y/Project			at) (II	D# 8680-00 <b>-</b> 03	1)	License/	Permit/	Monito	ring Nu	mber		Boring	Numbe	т В <b>В</b> 23	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
<b>D</b> 1111	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		
			<del></del>		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
			<b>F</b>														from 8.0 <sup>†</sup> - 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.	<del></del>	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
	<del></del>						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			
. 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	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.								l 				
			<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 <sup>†</sup> - 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		
	ty/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 Te	sting, l	Inc.		7/7/	2016			7/7/2016					Geoprobe			
	nique W			DNR Well ID No.	Common Well Name	l l	tic Wa	ter Leve	1	Surface						orehole Diameter		
r 1	0:10	• • • •		<u> </u>			Feet I	MSL			Feet MSL					2.1 inches		
	Grid On Plane	rigin		stimated: $\square$ ) or Bor, 627 N, 1,444,956		La	t46	<u>43</u>	<u>'</u> 15.	054"	Local Grid Location  N					□ Е		
	1/4	of		/4 of Section ,	T N, R		g <u>-92</u>		<u>' 15</u>			Feet	$\Box$ s		Feet W			
Facili	ty ID			County			County Code Civil Town/City/ or Village											
Sat	nple	I	Τ	Douglas		16	\ T	Super	rior		T	Soil	Prope	rties		T		
Sai	Τ*			Soil/P	Rock Description								Тюрс	Tues				
45	Length Att. & Recovered (in)	unts	Depth In Feet		eologic Origin For						sive					ध		
lber Type	th A	Blow Counts	h In		ch Major Unit		CS	hic	ram	PID/FID	pres	sture	id it	Plasticity Index	0	)/ men		
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		E	CONCRETE				7 4 4										
Gr [	00		E,	SUBBASE, sand	and gravel.			XX					Ì '					
			E,	LEAN CLAY (C	CL), plastic, 5YR 4	4/6				0.8	1.1							
			<u>-</u> 2	yellowish red, no very stiff.	odor, no moisture	, stiff to												
			F 2	Subbase beneath:	roadway has petro	leum							]					
Ė			<u>-3</u>	odors, black stain	ing; subbase grade	es from												
			F	1 to 2 bgs from s	ubbase to lean cla	<b>/</b> ·				0.3	2.25							
=			E_4				Ì						•					
=			E															
,			<u>-</u> 5	A1									:					
GP	60 60		E	As above.			CL			0.4	2.5							
			-6															
=										0.4	2.5							
=			<u>-</u> 7															
			-						]									
-			-8							0.5	2.2					Soil sample		
			È	<b>)</b>												from 8.0 <sup>†</sup> - 10.0' bgs.		
			<u>-</u> 9													10.0 0gs.		
			E						1				ļ					
Ŀ	1		-10	E.O.B. at 10' bgs.				1///	1									
									ļ									
			į.															
r 1	<u> </u>	C. 41	41				1 . 1				1			L		<u> </u>		
l here Signa			the info	rmation on this form is t														
Jigiia		` '			11	RC Enviro	nmer	ıtaı								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   Drilling Comp									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								7/7/2016   Final Static Water Level   Surfac						016	Bo	Geoprobe Forehole 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 <sub>1</sub>		BASE, sand							0.77									
			E	LEA	N CLAY (C wish red, no	4/6	6 verv		,	1.2	2.75										
			_2	stiff.	wish icu, no	odor, no moisture	, very														
					Ė																
			-3								5.4	3.2									
			F.																		
			<del>-4</del>																		
			_5																		
2 GP	60 60		-	As ab	oove.			CL													
			E_6									2.05									
								E							{	1.3	2.25				
			_7																		
			-							]											
			F-8							1	<1	3.0					Soil sample				
			E							1							from 8.0 <sup>†</sup> - 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 E					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		Soil/R						e e							
er Spe	h Att	Cour	In F			cologic Origin For		S	.i	g g	   <sub>色</sub>	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	and oravel												
			-1 -		N CLAY (C	3/4 dark				0.0	2.4							
-			_2		sh brown, no	, very												
ŀ				- 2	Sum.													
F			F -3															
			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										
			<del>-</del> 6		above; increased sand	ed sand content fr												
- [				7' bgs	<b>5.</b>													
-			<b>⊢</b> 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>									
				15.0.1	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
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#### **SOIL BORING LOG INFORMATION**

Form 4400-122 Rev. 7-98

			<u>Ro</u>		astewater   Redevelopment	Waste I Other	-	ement								
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	y/Proje			eet) (ID# 8680-00-0	1)	License/I	Permit/	Monito	ring Nu	mber	Ì	Boring	Numbe	эт В5]	C	
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#### SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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	ty/Projec			act) (II)	)# 8680-00 <b>-</b> 0	11)	License/	Permit/	Monitor	ring Nu	ımber		Boring	Numb	ет В5	G	
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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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## SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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Ē			<u>-</u> 1			l and gravel.  D (SC), noncohesi		+			1.2	5+					
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			-2			no moisture, black											
			E	stain As al		, low plasticity, co	olor				·						
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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** B<sub>8</sub>D 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<sup>†</sup> 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  $\boxtimes$ 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

## 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.

| Verification Only of Fill and Seal | Drinking Water | Watershed/Wastewater | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediation/Redevelopers | Remediatio

Verification On	ly of Fill a	and Sea	al		rinking Water	Watershed/Wastewater Remediation/Redevelopme	nt
				□ v	Vaste Manager	nent Other	
1. Well Location Infor	mation				177	2. Facility / Owner Information	
County	WI Unique W			Hicap#		Facility Name	
<b>n</b> 1	Removed W	ell				USH 2 (Belknap Street) (ID# 8680-00-01)	
Douglas	0	T-		0.4.	N4-451 O1-	Facility ID (FID or PWS)	
Lattitude / Longitude (see i	•	-		Code DD	Method Code		
46.72030 °	N	1	_	DDM	SCR002	License/Permit/Monitoring #	
-92.09947 °	W	Co oti o o			OTH001		
1/4 / 1/4 or Gov't Lot #		Section	10	ownship		Original Well Owner	
Well Street Address						Present Well Owner	
						WisDOT NW Region	
Belknap Street				T		Mailing Address of Present Owner	
Well City, Village or Town				Well ZIP		1701 N 4th Street	
Superior				54880	0	City of Present Owner State ZIP Code	_
Subdivision Name				Lot #		Superior WI 54880	
D	0 1	A21 1 1 - 1 1	NA / 11 /	<u> </u>		4 Pump, Liner, Screen, Casing & Sealing Material	
Reason For Removal From	Service V	VI Unique	vveli #	of Replac	ement Well	Pump and piping removed?	l/A
Soil Boring	11.1.1.7611.2.2.4.4	Bar Garage Brown Species	61 <b>9.</b> 378319498	and the second second	gia di ataoni di ataoni di ataoni		l/A
3. Filled & Sealed We	ii / Dhiinole					Ves No No N	l/A
Monitoring Well		1 -			e (mm/dd/yyyy		l/A
☐ Water Well		07/06/	2016			· · · · · · · · · · · · · · · · · · ·	I/A
	_	If a We	II Con	struction F	Report is		/A
Borehole / Drillhole	<del></del>	availab	le, ple	ase attach	1.	vas casing cut on below surface:	//A I/A
Construction Type:						Did sealing material rise to surface:	I/A
Drilled	Driven	(Sandpoin	t)		Dug		I/A
Other (Specify)				_	-	ii yoo, waa noo tooppou.	# <b>/</b>
Other (openity)	Geoprobe					If bentonite chips were used, were they hydrated with water from a known safe source Yes No No N	I/A
Formation Type:		-				man water item a release estates	
Unconsolidated Forma	tion	l	В	edrock		Required Method of Placing Sealing Material	
Total Well Depth From Gro	und Surface (	ft) Casii	ng Dia	ımeter (in.	)	Conductor Pipe-Gravity    Conductor Pipe-Pumped	
		<del>-</del>				Sealing Materials	
Lower Drillhole Diameter (in 2.1	n.)	Casii	ng Del	pth (ft.)		Neat Cement Grout Concrete	
		7,,	П.			Sand-Cement (Concrete) Grout Bentonite Chips	
Was well annular space gro		_ Yes		No 📙	Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:	
If yes, to what depth (feet)?	?	Depth to	Water	(feet)		Bentonite Chips Bentonite - Cement Grout	
		her her her had	Potales	811402	sport of the state of	Granular Bentonite Bentonite - Sand Slurry	enasei
5. Material Used to Fil	ll Well / Dril	lhole				From (ft.) To (ft.) No. Yards, Sacks Sealant Of Wolume (circle one) Or Mud Weight	ht
3/8" Bentonite Chips	<u>.</u>					Surface 10.0 0.4 sacks	
				•			
	E CONTRACTOR MANAGEMENT AND SERVICE	Comment in the	Serrors	SECTION CANAL	ese servición de recentant		estrial
6. Comments					<u> </u>		
Boring B10H							٠
7. Supervision of Wor						DNR Use Only	ATOM MANY
Name of Person or Firm Do	oing Filling & S	ealing		License	#	Date of Filling & Sealing or Verification Date Received Noted By	
Twin Ports Testing, In	.c					(mm/dd/yyyy) 07/06/2016	
Street or Route						Telephone Number Comments	
_1301 N 3rd St.						(715)392-7114	
City			5	State	ZIP Code	Signature of Person Doing Work  Date Signed  7/19/16	
Superior				WI	54880	\\ \sqrt{\sqrt{1/19/1/b}}	

State of Wis., Dept. of Natural Resources

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

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#### 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 ZIP Code Signature of Person Doing Work City WI 54880 Superior

Superior

## Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

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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

	- LO L	Route to	o DNR Bureau	:					
☐ Verification Only of	Fill and Seal	☐ D	rinking Water		☐ Watersh	ed/Wastewater	Remed	ation/Redev	elopment
		□ v	/aste Managen		Other _				
1. Well Location Information						formation			
	nique Well # of oved Well	Hicap #		Facility Name					
Douglas (	)					eet) (ID# 8680-00	-01)	<u> </u>	
Lattitude / Longitude (see instruct	ions) Forma	t Code	Method Code	Facility ID (FII	J or PWS)				
46.72060 ° N	,   N	DD	GPS008	License/Perm	it/Monitoring	. #			
-92.09807 ° W		DDM	SCR002	License/Feim	IVIVIOIIIIOIIIIQ	) #			
1/4/1/4 1/4	Section 1	ownship	Range —	Original Well	Owner				<del></del>
or Gov't Lot#			Traingo []	e joriginal won'	O 111101				
Well Street Address				Present Well	Owner				
				WisDOT	NW Regio	n			
Belknap Street		Well ZIP	Codo	Mailing Addre	ss of Preser	nt Owner			
Well City, Village or Town				1701 N 4t					
Superior Subdivision Name	-	54880 Lot #	<u> </u>	City of Preser	t Owner		State	1	
Capariloioni itamo				Superior	and the second		W	I 54	880
Reason For Removal From Servi	ce WI Unique Well	# of Replac	ement Well	4. 2umpy	iner, Scre	en, Casing & Se			57
Soil Boring		•		Pump and	piping remo	ved?	∐ Yes	=	⊠ N/A
3. Filled & Sealed Well / Dr	illhole / Borehole I	nformatio	n	Liner(s) rei			Yes	=	⊠ N/A
Monitoring Well	Original Const	ruction Dat	e (mm/dd/yyyy				Yes	=	⊠ N/A ⊠ N/A
	07/06/201	6		Screen ren			☐ Yes	=	⊠ N/A ⊠ N/A
Water Well .	If a Well Co	netruction F	Panort is	Casing left	in place?				
Borehole / Drillhole	available, pl			Was casin	g cut off belo	ow surface?	∐ Yes	=	⊠ N/A
Construction Type:				,		se to surface?	∑ Yes	= = = = = = = = = = = = = = = = = = = =	∐ N/A
Drilled	Driven (Sandpoint)		Dug		al settle afte		∐ Yes	<u></u>	∐ N/A
		-		1 -	as hole reto		Yes	s 🔀 No	∐ N/A
	obe				•	used, were they hy	drated Yes	s □ No	⊠ N/A
Formation Type:						n safe source ng Sealing Material		,	
Unconsolidated Formation		Bedrock		1 🗀	tor Pipe-Gr		Conductor F	Pipe-Pumped	4
Total Well Depth From Ground Si	urface (ft) Casing D	ameter (in.	)		ed & Poured	· .	Other (Expla		4
				(Bentor	nite Chips)		Outlot (Expir	,	
Lower Drillhole Diameter (in.)	Casing D	epth (ft.)		Sealing Mater	rials				
2.1				Neat C	ement Grou	t	Concret	е	
				1	•	crete) Grout		te Chips	
Was well annular space grouted?		No 🗀	Unknown	<	-	d Monitoring Well B	•		
If yes, to what depth (feet)?	Depth to Wate	er (feet)			ite Chips		entonite - Cemer		
		CASTON NO.	Carter Committee	Granula	ar Bentonite		entonite - Sand S acks Sealant		Ratio
5. Material Used to Fill Wel	l / Drillhole	era i transcri Galeria		From (ft.)	To (ft.)		acks Sealant (circle one)	or Muc	Meight
de planet de la Politica de Maria de La Carlo de La Carlo de La Carlo de La Carlo de La Carlo de Albado de La La Carlo de La Carlo de La Carlo de La Carlo de La Carlo de La Carlo de La Carlo de La Carlo de La Carlo de La		Egit etricide alva escio			A CORPORATION OF THE PROPERTY.	er and a grand and a second and a second and a second and a second and a second and a second and a second and a		Control of the State of the Sta	And and applications of the constraints
3/8" Bentonite Chips				Surface	10.0	0.4	sacks		
6. Comments					l .		7.00	VC1-845650000	98 (1886 1887)
Boring B12D		0.4(40.5)()		1,48,53,00					
Boring B12D									
7. Supervision of Work				and Table Street	entroppy to a	10.00	DNR Us	e Only	
Name of Person or Firm Doing Fil	ling & Sealing	License	#		Sealing or \	/erification Date Re	The second second	Noted By	1 and 1971 and 1979 and 1971 St.
Twin Ports Testing, Inc.				(mm/dd/yyyy)	07/06/20	16			
Street or Route				Telephone Num	ber	Commer	nts		
1301 N 3rd St.				(715)392-71					
City		State	ZIP Code	Signature of I	Person Doin	g Work		Date Signed	.1/1
Superior		WI	54880				18	7/19	116

# Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

- V-vifi-ali-	- 0-	<b></b>		. 1	Route to	o DN	IR Bureau	:										
Verification	n On	ily of Fill a	and Sea	"	D	rinkir	ng Water			Watershe	ed/Wastew	ater/	☐ R	emedia	tion/R	edevel	opment	
	e seranan Liberte	a 163 Constitution and section of the	and the second disease of the second	Se absolute	w	/aste	Managen			Other		czac com sineka wie	satalunah bahar	An Diffe Instanti	awate state of	Mariananovi	Principal confidence	-
1. Well Location	n Infor	<b>mation</b> WI Unique V	V-04-4		<i> </i>			A. J. Sandar		Owner In	formatio	)N						1
County		Removed W			Hicap#			- 1	cility Name	alleman Ctua	ost) (TD#	9690 00 C	11)					
Douglas		0						_	cility ID (FIE	elknap Stre	et) (1D#	8080-00-0	)1)				_	-
Lattitude / Longitude	e (see i	nstructions)	Fo	ormat	Code	Met	hod Code	٦, ٣	omty ib (i ib	, o. 1 110,								
46.72060°		N		=	DD D	H	GPS008 SCR002	Lic	ense/Permi	it/Monitoring	#							-
-92.09771 °		W			DDM		OTH001			·	,							
1/4 / 1/4	1/4		Section	To	wnship	Rai	nge 🗍 ı	Or	iginal Well (	Owner								-
or Gov't Lot#	<u> </u>						$\overline{}$	~ L										_
Well Street Address	5		·					1	esent Well (									
Belknap Stree	t							_		NW Region ss of Preser								_
Well City, Village or					Well ZIP	Cod	e		1701 N 4tl		it Owner							
Superior					54880	)		_	ty of Presen					State	Į	IP Co	de	-
Subdivision Name					Lot#			1	Superior					WI		548		
								_		iner, Scre	en, Casir	ng & Seal	ing Ma			g and		7
Reason For Remov	al From	Service \	WI Unique \	Nell #	of Replac	eme	nt Well	Г	Pump and i	piping remo	ved?			Yes	П	Vo [	N/A	_
Soil Boring	of the same of the same	nin Caban Palaning Rai Charle	operation and the second		a references	# (100 a See	New Author Course from	meur	Liner(s) ren					Yes		Vo [	⊠ N/A	
3. Filled & Seal	ed VVe	II / Drillhole	Original C						Liner(s) per					Yes		No [	⊠ N/A	
Monitoring	Well		07/07/2		action Date	e (IIII	iii/du/yyyy	'	Screen rem					] Yes		No [	⊠ N/A	
Water We	l		07/07/2	2010				-	Casing left	in place?				Yes		No [	⊠ N/A	
Borehole /	Drillhol	e			struction F		rt is		Was casino	cut off belo	ow surface			Yes		No [	N/A	-
			avallabl	e, pie	ase attach	· <u> </u>		$\dashv$	-	material ris			$\overline{\boxtimes}$	Yes		No [	∃ N/A	
Construction Type:			<b></b>		_	٦.			_	al settle after				Yes	$\boxtimes$ 1	No [	N/A	
Drilled		Driven	(Sandpoint	:)	L	יט ן	ug		If yes, wa	as hole reto	pped?			Yes	$\boxtimes$ 1	No [	N/A	
Other (Specify	) _(	Geoprobe						l	If bentonite	chips were	used, wer	e they hydr	ated _	_				
Formation Type:									with water t	from a know	n safe sou	ırce		Yes		No [	⊠ N/A	
□ Unconsolidated	l Forma	ition		] в	edrock			Re	equired Meth	hod of Placii	ng Sealing	Material	,					
Total Well Depth Fr			(ft) Casin	na Dia	meter (in.)	`		<b>⊢</b>	7	tor Pipe-Gra	•	<u> </u>	٦	uctor Pi		nped		
Total Well Depti 11	om ore	una cunacc (	(it) Gasii	ıy Dia	inotor (in.,	,				ed & Poured lite Chips)		L	」 Other	(Explai	n)			
Lower Drillhole Diar	neter (i	n )	Casin	na Der	oth (ft.)			Se	aling Mater	ials								_
	110101 (11	11.7	Odon	ig Del	par (ic.)				Neat Ce	ement Grout	t		□ c	oncrete				
2.1								$\dashv$ $L$	☐ Sand-C	ement (Con	crete) Gro	ut	⊠в	entonite	Chips			
Was well annular sp	pace gr	outed?	Yes		<b>Vo</b> □	Unl	known			g Wells and	l Monitorin	ng Well Bor	eholes C	Only:				
If yes, to what depti	h (feet)	?	Depth to \	Nater	(feet)				_	te Chips			tonite - (					
The second second	X Tober Suide	· Teach content	2012/01/2019	e evenu	anerika <del>K</del> esara	(MEGA)	65-2-2-52	) L	Granula	r Bentonite		Ber	tonite - S	Sand SI	urry	Standards	est union	
5. Material Use		80 S 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	· · · · · · · · · · · · · · · · · · ·					F	rom (fL)	To (ft.)	or \	rards, Sav Volume (d	cks Sea ircle o	nant ne)	or	Vlix R Mud \	auo Neight	
																		_
3/8" Bentonite (	Chips								Surface	10.0		0.4 sa	cks					_
								+		<del> </del>								_
										1								
6. Comments	aring Surface										545,000 (A 545,000 (A	7.7						
Boring B12E																		
7. Supervision	of Wo	rk	Term and the			7		Z-24(1) 171,111	77 (]4 ()	- Constant	7		DN	IR Use	Only	100 (27 2) 100 (27 2)	77 V	27 35
Name of Person or	Firm Do	oing Filling & S	Sealing		License	#				Sealing or V		Date Rece	ived	N	oted B	у		
Twin Ports Tes	ting, Ir	ıc.						<u> </u>	dd/yyyy)	07/07/20	16	<u> </u>		$\bot$				_
Street or Route								Ι.	hone Numb			Comments	3					
1301 N 3rd St.						I=:=			15)392-71			L		l <sub>r</sub>				
City					State		Code	Si	gnature of F	Person Doing	g Work (	$\sim$ .	$\sum$	_  0	ate Sig	ned //9	116	
Superior					WI	5	54880	1.				ン	$\sim$	_		/ " "	110	

# 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.

| 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 a	and S	eal		Orinking Water		Watersh	ed/Wastewater		Remediation	on/Redev	/elopment
				□ v	Vaste Manager	nent	Other	·				
1. Well Location Info	rmation			ys H		2. Facility	/Owner li	nformation				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
County	WI Unique V			Hicap#		Facility Name						
75 I	Removed W	ell				USH 2 (B	elknap Str	eet) (ID# 8680	)-00-01)			
Douglas Lattitude / Longitude (see	inetructions)		Format	Codo	Method Code	Facility ID (FII	or PWS)					
46.72073 °	•		_	DD	GPS008							
-92.09801 °	N M		_	DDM	SCR002	License/Perm	it/Monitoring	g #				
-92.09801 1/4 / 1/4	W	Section	L	ownship	Range							
or Gov't Lot #		Coulon	'  '`	OWNSHIP		Original Well	Owner					
						Present Well	Owner					
Well Street Address						WisDOT		<b>n</b>				
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				WI	54	1880
							iner, Scre	en, Casing 8	Sealing Ma			
Reason For Removal Fron	n Service	WI Uniqu	ue Well #	of Repla	cement Well		piping remo			Yes	No	N/A
Soil Boring	Carlotte - Carlotte -	d of the Control and American	NAME OF TAXABLE PARTY.	V = 12 mg (Chinat Book - on		Liner(s) re		vcu:	Ī	Yes	⊨ No	⊠ N/A
3. Filled & Sealed We	all / Drillhole					884 III		•	Ī	Yes	■ No	⊠ N/A
Monitoring Well		1			te (mm/dd/yyyy	Screen ren			Ī	Yes	■ No	⊠ N/A
Water Well		07/0	07/2016	<u> </u>		Casing left			Ī	Yes [	No	⊠ N/A
	lo.			struction			<u> </u>			Yes	No	N/A
Borehole / Drillho		avai	lable, ple	ease attac	h		_	ow surface?		∐ Yes [		⊠ N/A
Construction Type:						1	i materiai ris al settle afte	se to surface?	r F	Yes	<b>⊠</b> №	☐ N/A
Drilled	Driver	(Sandp	oint)		Dug	i	as hole reto		Ē	Yes [	No.	☐ N/A
Other (Specify)	Geoprobe					- I		used, were the	v hydrated	,		_
Formation Type:						1	•	vn safe source	[	Yes [	No	N/A
<u> </u>	- e			N = 41 = -1 .				ng Sealing Mate	erial			
Unconsolidated Forma	ation			Bedrock		Conduc	tor Pipe-Gr	avity	Conc	luctor Pipe	-Pumpe	t
Total Well Depth From Gro	ound Surface	(ft) Ca	asing Dia	ameter (in	.)	Screen	ed & Poured	•		r (Explain)		
		1					nite Chips)					
Lower Drillhole Diameter (	in.)	Ca	asing De	epth (ft.)		Sealing Mater	rials		_			
2.1							ement Grou			Concrete		
		7,,	$\overline{\Box}$		1	1	,	crete) Grout		Bentonite C	Chips	
Was well annular space gr		Yes		No L	Unknown		-	d Monitoring We	7	•		
If yes, to what depth (feet)	γ	Depth	to Wate	r (feet)			ite Chips	<u> </u>	Bentonite -			
GE GREEKEN STEEL GOOD GOOD STEEL			SOME AND A	and the	rijorierite dek	Granula	ar Bentonite	property and party of the property and the property of the pro	Bentonite -	SANCORUMENTAR INC	distribution and a	
5. Material Used to F	ill Well / Dri	llhole				From (fL)	- To (ft.)		s, Sacks Se me (circle o			Ratio I Weight
	10,000,000,000,000		210-01-421-5 <u>0</u>		ang digital sa panggang da	2.061 261 365 365 3		and the second		attini tali medil	KESE MATALANDO	SALVE SALVEST - SALVES AND
3/8" Bentonite Chips						Surface	10.0		.4 sacks			
6. Comments				6.93								
Boring B12F												
	renig ganganangan manasar	MET THE SHOW OF SHOW	registra commission	***************************************			u <u>n milagrakatkat</u> kan ere	agrange grant record war-	ang mangka pangkan	yjiing wiiyo war	CANCIS COMPRISED	Subgross (Campaner)
7. Supervision of Wo									a 15 shapes of a second straight	NR Use (		
Name of Person or Firm D	• •	sealing		License	e #	Date of Filling & (mm/dd/yyyy)	. •	1	Received	Not	ed By	
Twin Ports Testing, In	nc.						07/07/20					
Street or Route						Telephone Num		Com	ments			'
1301 N 3rd St.			т	State	7ID Code	(715)392-71		a Morle -		ln-4	o Siana	,
City				State	ZIP Code	Signature of I	-eison Doin	y work	$\sqrt{2}$	-  Dat	e Signed	9 ///_
Superior				WI	54880				1/0		_ <i>T </i> '	<u>·   ישין -</u>

# Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

	. l <b></b>			Route to	o DNR Bureau	J:							
☐ Verification Or	nly of Fill a	and Seal		D	rinking Water		☐ Watersh	ed/Wastewater	Rer	mediation/	Redev	elopm	ent
				□ w	/aste Manager		Other _						
1. Well Location Info						2. Facility		nformation	100	F			
County	WI Unique V Removed W		Hi	cap#		Facility Name		.) (TD    0.600 (					
Douglas	0					USH 2 (B		eet) (ID# 8680-0	00-01)	·			
Lattitude / Longitude (see	instructions)	Foi	mat Co	ode	Method Code		D 01 F VV 3)						
46.72061 °	N		⊠ dc	>	☐ GPS008 ☐ SCR002	License/Perm	it/Monitoring	n #	<del></del>				
-92.09617°	W			DM	OTH001			<i>9 ''</i>					
1/4 1 1/4		Section	Tow	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			Īv	Nell ZIP	Code	Mailing Addre		nt Owner					
Superior				54880	)	1701 N 4t			lo	itate	ZIP C	'ode	
Subdivision Name		-	L	_ot#		Superior	IL OWITE			WI	1	880	
							iner Scre	en, Casing & S	ealing Mate		1 34	300	
Reason For Removal Fron	n Service	WI Unique W	ell#o	f Replac	ement Well		piping remo			Yes 🗌	No	Ø	N/A
Soil Boring		normalization with a magnification of	Section in one	ALANTES THE LINE	The second State of the se	Liner(s) re		iveu :	Ħ	Yes 🗍	No	=	N/A
3. Filled & Sealed We	ell / Drillhole					<b>新語</b>		:		Yes 🔲	No	=	N/A
Monitoring Well		07/06/2		·	e (mm/dd/yyyy	Screen rer				Yes 🔲	No		N/A
Water Well		07/00/2	010			Casing left	in place?			Yes 🗌	No	$\boxtimes$	N/A
Borehole / Drillho	le	If a Well available				Was casin	g cut off belo	ow surface?		Yes 🗌	No		N/A
		available	, pieas	e auacri	<u>.                                    </u>		•	se to surface?	$\boxtimes$	Yes 🔲	No		N/A
Construction Type:		(O l l- ()		_	1	1	, al settle afte			Yes 🖂	No		N/A
Drilled	☐ Driven	(Sandpoint)		L	Dug	If yes, w	as hole reto	pped?		Yes 🔀	No		N/A
Other (Specify)	Geoprobe					If bentonite	chips were	used, were they h	nydrated	_			
Formation Type:						with water	from a know	vn safe source		Yes	No	$\boxtimes$	N/A
Unconsolidated Forma	ation		Bed	lrock		Required Met	hod of Placi	ng Sealing Materia					
Total Well Depth From Gre	ound Surface (	ff) Casino	Diam	eter (in.)	)		tor Pipe-Gra	•		or Pipe-Pu	ımped		
Total Troil Dopin Troil Give	odila odilado (	,it) Guoing	, Diairi	0.01 ()	,	Screen (Bentor	ed & Poured nite Chips)	i	U Other (E	xplain)			
Lower Drillhole Diameter (	in.)	Casing	Depth	n (ft.)		Sealing Mater	rials						
2.1							ement Grout			crete			
	440	7 7 [	7		I below some	1	•	crete) Grout		tonite Chip	)\$		
Was well annular space gr If yes, to what depth (feet)		Yes L Depth to W	_ No		Unknown		<i>g Wells and</i> ite Chips	d Monitoring Well		-			
ii yes, to what depth (leet)	· f	Deptil to W	atei (ii	eet)			ite Onips ar Bentonite		Bentonite - Ce Bentonite - Sa		π		
				7.5			Section 1		Sacks Seala		Mix	Ratio	
5. Material Used to F	ill Well / Dri	lhole				From (ft.)	To (ft.)		e (circle one		Mud		
41011 7													
3/8" Bentonite Chips						Surface	10.0	0.4	sacks				
										į			
6. Comments													
Boring B17D						and the second s		20,000					
7. Supervision of Wo	rk.				nya.				DND	Use Onl	Tayle!	X-1920	W.L
Name of Person or Firm D		Sealing	<u>, 3,335,000</u> 	License	<u>1000,000,000,000,000,000,000,000,000,00</u>	Date of Filling &	Sealing or V	/erification Date R		Noted		<b>30</b> 600 6	48,148
Twin Ports Testing, In			ľ			(mm/dd/yyyy)	07/06/20				- 3		
Street or Route						Telephone Numl		Comme	ents				
1301 N 3rd St.						(715)392-71	14						
City			Sta		ZIP Code	Signature of F		g Work	~~	Date S	igned	1/1	
Superior			1	WI	54880			_	$\mathcal{I}$	ーナ	119,	1/6	

## Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

			Route t	o DNR Bureau	ı:					
Verification On	ly of Fill a	nd Seal		rinking Water	[	Watershe	ed/Wastewater	☐ Re	mediation/Red	levelopment
			□ v	Vaste Managei	ment [	Other				·
1. Well Location Infor	mation					/ Owner Ir	formation			
County	WI Unique We		Hicap #		Facility Nam					
	Removed We	·II			USH 2 (1	Belknap Stre	eet) (ID# 8680	0-00-01)		
Douglas	0	Te	10.1.	14 0 - 10 - 1	Facility ID (F	ID or PWS)				
Lattitude / Longitude (see in	•	Forma	t Code DD	Method Code						
46.72095 °	N		DDM	SCR002	License/Peri	nit/Monitoring	<b>g</b> #			
-92.09640 °	W			OTH001						
		Section 1	ownship	Range	E Original Wel	Owner				
or Gov't Lot#					w					
Well Street Address					Present Wel					
Belknap Street						NW Region				
Well City, Village or Town			Well ZIP	Code	"	ess of Preser	nt Owner			
Superior			54880		1701 N 4			16	24-4-	20-4-
Subdivision Name			Lot #		City of Prese	ent Owner		ľ	ì	Code
					Superior	inar Cara		Sealing Mate		54880
Reason For Removal From	Service W	/I Unique Well	# of Replac	cement Well				Sealing mate		N/A
Soil Boring					1	d piping remo	ved?	님	Yes   No	_
3. Filled & Sealed Wel	I / Drillhole	/ Borehole li	nformatio	n .	Liner(s) re			片	Yes No	
Monitoring Well		Original Const	ruction Dat	e (mm/dd/yyyy	,   ` ` `	erforated?		H	Yes No	=
☐ Water Well		07/07/201	5		Screen re			片	Yes No	=
		If a Well Co	netruction F	Panort is	Casing le	ft in place?				
Borehole / Drillhole	•	available, pl			Was casi	ng cut off belo	ow surface?		Yes   No	<u> </u>
Construction Type:					Did sealir	g material ris	e to surface?	$\bowtie$	Yes ∐ No	=
Drilled	Driven (	(Sandpoint)	Г	Dug	Did mater	ial settle afte	r 24 hours?	닏	Yes X No	==
<u> </u>	_	(	_	9	1 -	was hole reto			Yes 🔀 No	N/A
Other (Specify)	Seoprobe					•	used, were the	y hydrated	V N	- N/A
Formation Type:							n safe source		Yes   No	N/A
Unconsolidated Format	tion		Bedrock		1 🗁		ng Sealing Mate			
Total Well Depth From Gro	und Surface (ft	) Casing Di	ameter (in.	)		ctor Pipe-Gra			tor Pipe-Pump	ed
		,   5	u	<i>'</i>	Scree (Bento	ned & Poured onite Chips)	ı	☐ Other (E	Explain)	
Laura Dalliada Diamata di		One in a D		<del></del>	Sealing Mate					
Lower Drillhole Diameter (ir	1.)	Casing D	eptn (it.)			Cement Grout	ŀ	Cor	ncrete	
2.1						Cement (Con			tonite Chips	
Was well annular space gro	outed?	Yes 🗌	No $\square$	Unknown		•	•	ell Boreholes On	•	
If yes, to what depth (feet)?	•	Depth to Wate	r (feet)		— ca	nite Chips		Bentonite - Ce	-	
					☐ Granu	lar Bentonite		Bentonite - Sa	and Slurry	
5. Material Used to Fil		hala			From (ft.)	T- (0.)	No. Yard	s, Sacks Seal	ant M	ix Ratio
J. Material Oseu (O Fil	i Weii / Dilli	iidie			FIGHT (IL)	To (ft.)	or Volu	me (circle one	e) or M	ud Weight
3/8" Bentonite Chips					Surface	10.0	0	.4 sacks		
		are of the Targette		enter-group objective						Signification and the
6. Comments	3.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2					45.00				
Boring B17E										
7. Supervision of Wor										
<ol> <li>Supervision of wor Name of Person or Firm Do</li> </ol>	and the second second second second	aling	License	#	Date of Filling 8	Spaling or V	Arification Data		Use Only Noted By	(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
Twin Ports Testing, In-		-unig	FICEIISE	11'	(mm/dd/yyyy)	07/07/20		, teceived	I VOICE DY	
Street or Route	·				Telephone Nun			ments		
1301 N 3rd St.					(715)392-7		00111			
City			State	ZIP Code		Person Doing	g Work	, –	Date Sign	ed /
Superior			WI	54880	J		` ` _	$\sim$	7	19/16
			<del></del>							

☐ 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	et) (ID# 8	8680-00-0	11)				
Lattitude / Longitude (see i	nstructions)		Format	Code	Method Code	•	טורו) ל	101 - 1103)							
46.72079°	N		$\boxtimes$	DD	☐ GPS008 ☐ SCR002		Permi	t/Monitoring	#		-				
-92.09639°	W			DDM	OTH001	2100113071	Citti	b wormen ng							
1/4 1/4 1/4		Section	To	ownship	Range	E Original \	Vell C	Owner							
or Gov't Lot#						_ w									
Well Street Address						Present \	Vell C	Owner	-	-					<u>-</u>
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
Soil Boring						1		oiping remo	vea?		H	Yes	H	_	
3. Filled & Sealed We	II / Drillhole					<b>送里</b> 意	•	noved? forated?			H	Yes	H	=	=
Monitoring Well		1 -			e (mm/dd/yyyy	/) Scree						Yes		=	=
Water Well		07/0	7/2016					in place?			П	Yes	∏ No	_	-
Borehole / Drillhol	۵			struction I		10/		and off bala				Yes		<u> </u>	] N/A
		avail	able, ple	ase attac	n		_	cut off belo			×	Yes	∐ No	<u>~</u>	N/A
Construction Type:	_			,	_		_	l settle after			Ħ	Yes	⊠ No	=	N/A
Drilled	Driven	(Sandpo	oint)	L	Dug			as hole reto				Yes	⊠ No	, 🗀	N/A
Other (Specify)	Geoprobe					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							
2.1	,	"		F ()		│ □ Ne	at Ce	ment Grout			□ c₀	ncrete			
		<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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Ferrorishings Conductors with a province of the second state of	ow Forest Charles	J3594: 4-70		**************************************	Same and the same and the same					No the continues of	- 3 - 3 - 3 - 1 - 1 - 1 - 1 - 1 - 1 - 1			verko ekrest	ad ideal concess
6. Comments Boring B17F									e Colpition		ontern v		0.00		
7. Supervision of Wo	rk		5 0 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	75.745.7 <sub>4</sub> 5.	ever series judges	region de la companya de la companya de la companya de la companya de la companya de la companya de la companya					- DNF	₹ Use	Only		
Name of Person or Firm Do		Sealing	- 1. No. 18 (1976)	License	#	Date of Filling		Sealing or V	erification	Date Rece			ted By	-ryso N-Si	garage et against
Twin Ports Testing, Ir						(mm/dd/yyy	y)	07/07/20	16						
Street or Route						Telephone I	Numb	er		Comments					
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
										•					

## 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 Removed Well Hicap# acility Name USH 2 (Belknap Street) (ID# 8680-00-01)

Douglas ()				Facility ID (FII	or PWS)	, (			
Lattitude / Longitude (see instructions)	Format	Code	Method Code	i dollity ib (i ii	3 0. 1 110,				
46.72050° N	⊠ 1	DD	☐ GPS008 ☐ SCR002	License/Perm	it/Monitoring	1#			·
-92.09347 ° W		DDM	☐ OTH001			,			
1/4 1 1/4	Section To	wnship	Range E	Original Well	Owner		<u>.</u>	*	
or Gov't Lot#	1		l □ w						
Well Street Address	L			Present Well	Owner				
Ballon an Otro at					NW Region				
Belknap Street Well City, Village or Town		Well ZIF	Codo	Mailing Addre	ss of Preser	nt Owner			
Superior		5488		1701 N 4t					
Subdivision Name		Lot #	<u> </u>	City of Preser	it Owner		State	ì	Code
				Superior	and the same of the same of		WI	54	1880
Reason For Removal From Service	WI Unique Well#	of Replac	cement Well	4. Pump, E	iner, Screi	en, Casing & S	ealing Material		
Soil Boring	•			Pump and	piping remo	ved?	∐ Yes	∐ No	N/A
3. Filled & Sealed Well / Drillhole	/ Borehole in	ormatic	jn	Liner(s) rer	noved?	i	∐ Yes	∐ No	N/A
Monitoring Well	Original Constru	iction Dat	te (mm/dd/yyyy)	Liner(s) pe		1	∐ Yes	∐ No	⊠ N/A
	07/07/2016			Screen ren			∐ Yes	∐ No	N/A
Water Well	If a Wall Con-		Donostio	Casing left	in place?		Yes	No	N/A N/A
Borehole / Drillhole	If a Well Cons available, plea			Was casing	g cut off belo	ow surface?	Yes	☐ No	⊠ N/A
Construction Type:				Did sealing	material ris	e to surface?	∑ Yes	∐ No	∐ N/A
	(Sandpoint)	Г	Dug	Did materia	al settle after	24 hours?	∐ Yes	⊠ No	∐ N/A
	(	_	9	· •	as hole reto <sub>l</sub>	•	Yes	⊠ No	∐ N/A
Other (Specify) Geoprobe				l	•	used, were they h	· —	□ Na	NZ N/A
Formation Type:						n safe source	Yes	∐ No	N/A
∠ Unconsolidated Formation	∐ B∈	edrock		l		ng Sealing Materia		_	
Total Well Depth From Ground Surface (	(ft) Casing Dia	meter (in.	.)		tor Pipe-Gra	•	Conductor Pi		d
		•	•		ed & Poured nite Chips)		U Other (Explai	11)	
Lower Drillhole Diameter (in.)	Casing Der	oth (ft.)		Sealing Mater	ials			<del>-</del>	
` '	Cuonig Dop	) (III)		Neat Co	ement Grout		☐ Concrete	•	
2.1				☐ Sand-C	ement (Con	crete) Grout	Bentonite	Chips	
Was well annular space grouted?	Yes 1	ام الـــــــــــــــــــــــــــــــــــ	Unknown		g Wells and	Monitoring Well	Boreholes Only:		
If yes, to what depth (feet)?	Depth to Water	(feet)		Bentoni	te Chips		Bentonite - Cement	Grout	
		denie 20.0 v a 2 state	en fara a la la la la la la la la la la la la	Granula	ar Bentonite	Restaurante Transferance	Bentonite - Sand SI	172.1/24.2 324.834	central entre la company
5. Material Used to Fill Well / Dril	lhole			From (ft.)	To (ft.)		Sacks Sealant (circle one)	ALL SECTIONS OF LA	Ratio : Weight
									. Meigile
3/8" Bentonite Chips				Surface	10.0	0.4	sacks		
				20000		3.1			
						=			
6. Comments	1								
Boring B19D									

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing
Twin Ports Testing, Inc.

License #

Date of Filling & Sealing or Verification (mm/dd/yyyy) 07/07/2016

Street or Route
1301 N 3rd St.

Date of Filling & Sealing or Verification (port of mm/dd/yyyy) 07/07/2016

Telephone Number
Comments

(715)392-7114

City State ZIP Code Signature of Person Doing Work Superior WI 54880

Date Signed 7/19//6

1301 N 3rd St.

Superior

City

## 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) Format Code Method Code מח 🖾 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# WT 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  $\nabla$ 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. N/A Did sealing material rise to surface? Yes No Construction Type:  $\boxtimes$ Yes No N/A 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 Bedrock Unconsolidated Formation Conductor Pipe-Gravity Conductor Pipe-Pumped Total Well Depth From Ground Surface (ft) Casing Diameter (in.) 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 □ No Yes 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 To (ft.) From (ft) or Volume (circle one) 3/8" Bentonite Chips Surface 10.0 0.4 sacks 6. Comments Boring B19E 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. 07/07/2016 Street or Route Telephone Number Comments

(715)392-7114

Signature of Person Doing Work

State

WI

ZIP Code

54880

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

# Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

☐ Verification O	nly of Fill	and Se	eal	☐ D	rinkin	g Water			Watershe	ed/Wastew	ater	Rem	ediation	1/Redev	elopr	nent
				□ w	/aste	- Managem	ent		Other							
1. Well Location Info	rmation				7250	neroe ge	2. Fac	cility /	Owner In	formatio	n	142.4	10045-1124	1/4/24		(10 mil)
County	WI Unique \			Hicap #			Facility									
D 1	Removed W	/eli								et) (ID# 8	3680-00-01)					
Douglas Lattitude / Longitude (see	inetructions)		Format	Code	Moth	od Code	Facility	ID (FID	or PWS)							
46.72052 °	N	1	_	DD		GPS008										
-92.09418 °	W		_	DDM		SCR002 OTH001	License	/Permi	t/Monitoring	<b> </b> #						
1/4 / 1/4 1/4	VV	Section		wnship	Ran	de 🗀		110/-110	<u></u>							
or Gov't Lot#		-		Will Chilp	1 (0.1)	'3"    E 		vveilC	wner							
Well Street Address							Present									
Belknap Street									W Region							
Well City, Village or Town				Well ZIP	Code	•	1 -		s of Preser	nt Owner						
Superior				54880					Street			104	-1-	710.4		
Subdivision Name				Lot #			City of I		Owner			1	ate	ZIP C		
							Supe				ng & Sealing I		WI		880	2005
Reason For Removal From	n Service	WI Unique	e Well #	of Replac	emen	t Well			_		g a sealing			_	-	
Soil Boring	i								oiping remo	ved?		=	Yes _	] No		N/A
3. Filled & Sealed We	ell / Drillhole	e / Boreh	iole Ini	formatio	n.		250	r(s) ren				=	Yes	J No	X	N/A
Monitoring Well		Original	Constru	uction Date	e (mn	n/dd/yyyy)			forated?			=	Yes	∐ No ] No		N/A N/A
		07/07	7/2016				1	en rem	1			<b>:</b>	Yes -	No		N/A
Water Well		If a W	/ell Cons	struction R	Panori	lie	Casi	ng ιeπ	in place?			屵.				
Borehole / Drillho	le			ase attach		. 13	Was	casing	cut off belo	ow surface	?		Yes _	No	$\bowtie$	N/A
Construction Type:							Did s	sealing	material ris	e to surfac	e?	= .	Yes _	∐ No	$\vdash$	N/A
Drilled	Driver	ı (Sandpoi	int)	Г	Du	a			l settle after		?	=	Yes 🔀	No	님	N/A
	_	. (	····• <b>/</b>			9			as hole reto			' Ш	Yes ∠	No	Ш	N/A
Other (Specify)	Geoprobe								•		e they hydrated	$\Box$	Van	7 No.		NI/A
Formation Type:									rom a know			<u>'                                    </u>	Yes _	_ No	$\boxtimes$	N/A
Unconsolidated Form	ation		□ В	edrock					od of Placir	-				_		
Total Well Depth From Gr	ound Surface	(ft) Cas	sing Dia	meter (in.)	)				tor Pipe-Gra	-	, , , , , , , , , , , , , , , , , , ,		or Pipe-I	oumped	i	
,		` /	•	,	,				d & Poured ite Chips)	l	Ot	her (Ex	(piain)			
Lower Drillhole Diameter (	in )	Cas	sing Der	oth (ft )			Sealing	Materi	als							
	,	Out	omig Dol	pui (iu)				leat Ce	ment Grout	t		Conc	rete			
2.1							-  □ s	and-C	ement (Con	crete) Gro	ut 🖂	Bento	onite Ch	ips		
Was well annular space g	routed?	☐ Yes	□ 1	Vo ∐	Unk	nown		nitoring	g Wells and	Monitorin	g Well Borehole	s Only	<i>/:</i>			
If yes, to what depth (feet)	)?	Depth to	o Water	(feet)			<b>│</b> ⋈ ⋬	entonii	e Chips		Bentonite	e - Cen	nent Gr	out		
er og skille er flære skale er flære flære flære flære flære flære flære flære flære flære flære flære flære f		OURS CHARLES AND A COLOR	distriction of the Co	energia de la marca	a a sa sa sa sa sa sa sa sa sa sa sa sa	Alleren Sallapanii		Franula	r Bentonite	In the Game Land	Bentonite	Contractor of the A	0.54 Sept 1.094	r aucoupy <del>anaous</del>	Christman (Christman)	Simonania
5. Material Used to F	ill Well / Dri	lihole				in in the	From	(fL)	To (ft.)	200	ards, Sacks (	31	200 200 400		Rati	22
4.7.12.20	1.5				THE STATE	Transcription			54 Salate(#2.		olume (circie	. Vile)		or Muc	NVG	giit i
3/8" Bentonite Chips							Surf	2000	10.0		0.4 sacks					
3/8 Belitonite Chips		-					Sui	ace	10.0		0.4 Sacks					
						<del></del>	<u> </u>									
6. Comments			17.4	175					2-1-21-2 <b>7</b>		ica-uthari					
Boring B19G		The state of the s	on a second	the ACCENTAGE OF STREET	and the second	* 1 2 m x 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		· · · · · · · · · · · · · · · · · · ·	3864 (0. 7.1. 3. 3. 3. 3. 2. 2.		Section of the section of the second			115.4 L VICE 11.5		
7. Supervision of Wo		ing Springer s			77.VE				101 01 01 0 201 01 01 01 01 01 01 01 01 01 01 01 01 0		manufacture of the control	DNR	Use O			
Name of Person or Firm D		Sealing		License	#				•		Date Received		Note	d By		
Twin Ports Testing, I	nc.						(mm/dd/yy		07/07/20							
Street or Route							Telephone				Comments					
1301 N 3rd St.					T=		(715)3							<u></u>		
City			١	State		Code	Signatu	re of P	erson Doin	g Work	$\mathcal{C}_{\mathcal{C}}$	2	Date	Signed	///	
Superior				WI	54	4880								754	10	

# 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 1. Well Location Information 2. Facility / Owner Information County WI Unique Well # of Facility Name Removed Well USH 2 (Belknap Street) (ID# 8680-00-01) Douglas Facility ID (FID or PWS)

Latitude / Longitude (see instructions)	Forma	DD	GPS008								
46.72058 ° N			☐ SCR002	License/Perm	it/Monitoring	#			-		
-92.09278 ° W		DDM	☐ OTH001							_	
1/4 1 1/4	Section T	ownship	Range E	Original Well	Owner						
or Gov't Lot#											
Well Street Address				Present Well	Owner						
Belknap Street			•	WisDOT							
Well City, Village or Town		Well ZIP	Code	Mailing Addre		nt Owner					
Superior		5488		1701 N 4t				In			
Subdivision Name		Lot #		City of Presen	it Owner			State	1	Code	
				Superior	Con Cabili a basa ta			WI		1880	
Reason For Removal From Service	WI Unique Well	# of Replac	cement Well	4. Pump; L	ner, Scre	en, Casing &	Sealing Mat	,		ALCO MENT OF THE	est a teatre of the sale
Soil Boring	·	•			piping remo	ved?	<u>_</u>	Yes	∐ No	$\bowtie$	N/A
3. Filled & Sealed Well / Drillho	e / Borehole li	nformatic	in	Liner(s) rer			<u> </u>	Yes	No	$\bowtie$	N/A
Monitoring Well	Original Const	ruction Dat	e (mm/dd/yyyy)	Liner(s) pe			<u></u>	Yes	∐ No	$\boxtimes$	N/A
	07/07/2016	5		Screen ren			<u></u>	Yes	_ No		N/A
Water Well	16 - \A(-)  O-			Casing left	in place?	·		Yes	No	$\boxtimes$	N/A
Borehole / Drillhole	If a Well Co			Was casing	g cut off belo	ow surface?		Yes	No	$\boxtimes$	N/A
Construction Type:				Did sealing	material ris	e to surface?	$\boxtimes$	Yes	No		N/A
Construction Type:	en (Sandpoint)		Dug	Did materia	al settle after	24 hours?		Yes	⊠ No		N/A
	in (Sandpoint)		_ Dag	If yes, w	as hole reto	pped?		Yes	⊠ No	Ш	N/A
Other (Specify) Geoprobe				If bentonite	chips were	used, were they	hydrated	,	_		
Formation Type:				with water	from a know	n safe source		Yes	No	$\boxtimes$	N/A
Unconsolidated Formation		Bedrock		Required Met	hod of Placii	ng Sealing Mate	rial				
Total Well Depth From Ground Surface	(ff) Casina Di	ameter (in.	`	I 🖂	tor Pipe-Gra	•		•	-Pumpe	t	
Total Well Deptil Total Ground Sunace	(it) Casing Di	ameter (III.	,	Screene (Bentor	ed & Poured nite Chips)		U Other	(Explain)	)		
Lower Drillhole Diameter (in.)	Casing De	epth (ft.)		Sealing Mater	ials	-					
2.1				🔲 Neat Ce	ement Grout		□ c	oncrete			
2.1				│	ement (Con	crete) Grout	⊠ B∈	entonite (	Chips		
Was well annular space grouted?	☐ Yes ☐	No L	Unknown		g Wells and	Monitoring We	ll Boreholes C	nly:			
If yes, to what depth (feet)?	Depth to Wate	r (feet)		🔀 Bentoni	te Chips		Bentonite - C	Cement (	∋rout		
	Markows Cam of States of the S	Mariana da Mariana	Landalario de la Erregione scalari la levi	Granula	r Bentonite	aparting a service state of the service	Bentonite - S	Victor Sales in Principles	ry	con vices a vice	net chili Soprini
5. Material Used to Fill Well / Di		is A.		From (ft.)	To (ft.)		, Sacks Sea ne (circle or		Mix or Mu	Ration	<b>建设设施设置</b>
3/8" Bentonite Chips				Surface	10.0	0	4 sacks				
5/6 Benome Chips				Surface	10.0	<u> </u>	T SALKS				
							·				
6. Comments										e de la companya de l	
Boring B20F	t market of the second of the	49.152 J. 1840 A.T.	and the state of t	naveniali faktivalifi	rganatik sin Si	ganggrega (ganggrega) kenglebih	wasti asimatita iki	4440047784	e.Astroffs	0.CM/1976	(Fight

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 Date Signed 7 //9 //6 ZIP Code City State Signature of Person Doing Work WI 54880 Superior

# Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

		L C 💳 211		1	Route t	o Di	NR Bureau	ı:									
Verification	n On	ly of Fill a	and Se	eal		rinki	ing Water			Watershe	d/Wastew	ater	Reme	diation/	Redev	elopn	nent
					v	Vast	e Manager	_		Other			4 - 34 555				
1. Well Location	Infor								. Facility /	Owner in	formatio	in .					
County		WI Unique V Removed W			Hicap #			F	acility Name			0.000.00.01					
Douglas		0						E	acility ID (FID		et) (ID#	8680-00-01)					
Lattitude / Longitude	(see i	nstructions)		Format	Code	Ме	thod Code		acility ID (I ID	/ Of 1 <b>VV</b> 3)							
46.72044°		N	Į	$\boxtimes$	DD	<u> </u>	] GPS008 ] SCR002	t	icense/Permi	t/Monitoring	#						
-92.09094°		W			DDM	Ш	OTH001										
1/4 / 1/4	1/4		Section	To	ownship	Ra	ange	ΕŒ	riginal Well C	Owner							
or Gov't Lot#								wĹ									
Well Street Address								_P	resent Well C								
Belknap Street								-	WisDOT Nailing Addres								
Well City, Village or					Well ZIP	Coc	de	<b>=</b>  ''	1701 N 4th		it Owner						
Superior					5488	0		c	ity of Present				Stat	e	ZIP C	ode	
Subdivision Name					Lot #				Superior				V	VI	1	880	
					<u></u>					ner, Scre	en, Casir	ng & Sealing	Materia	接続			300
Reason For Remova	al From	Service	WI Uniqu	e Well#	of Replac	ceme	ent Well	Ī	Pump and p	oipina remo	ved?	,	Ye	s 🗌	No	$\overline{\boxtimes}$	N/A
Soil Boring	21172			221211Z	e de deservoir de la constant de la constant de la constant de la constant de la constant de la constant de la	tenangs)	KSO WYA MIYO	grantes and a	Liner(s) ren					s 🔲	No	$\overline{\boxtimes}$	N/A
	Monitoring Well   Drillhole   Borehole Information     Monitoring Well   Original Construction Date (mm. 07/07/2016									forated?			☐ Yee	es 🔲	No	$\boxtimes$	N/A
Monitoring \	Monitoring Well   S									oved?			∐ Ye	=	No		N/A
Water Well						_			Casing left	in place?			Y€	s	No		N/A
Borehole / [	Drillhole	Э			struction l ase attacl		ort is		Was casing	cut off belo	w surface	?		es 🔲	No	$\boxtimes$	N/A
Construction Type:									Did sealing	material ris	e to surfac	ce?	∑ Ye	물	No	Ц	N/A
Drilled		Driven	(Sandpo	oint)	Г	7 6	Dug		Did materia	l settle after	24 hours	?	H Y		No	$\vdash$	N/A
=	_		(	,	_		3		-	as hole reto	•		Y€	s 🖂	No	Ш	N/A
Other (Specify)		Seoprobe						_		•	•	e they hydrated	☐ Y€	,	No	$\square$	N/A
Formation Type:								-	with water f Required Meth				<u> </u>	~ <u> </u>			
Unconsolidated	Forma	tion		Ш В	edrock	_				tor Pipe-Gra	•		onductor	Pine-Pi	umned		
Total Well Depth Fro	m Gro	und Surface	(ft) Ca	sing Dia	meter (in.	.)			<u> </u>	ed & Poured	-		her (Exp	•	ampeu		
									(Benton	ite Chips)							
Lower Drillhole Diam	eter (ir	n.)	Ca	sing De	pth (ft.)				Sealing Materi	ials							
2.1										ment Grout			Concre				
Was well annular spa		outod2	Yes		No [	1	nknown	٦,		ement (Con				ite Chi	os		
If yes, to what depth				o Water		- 01	IKITOWIT	'	Bentonit	-	Monitorin	ng Well Borehole	-	ant Grai	ut		
ii yes, to what depth	(1001)		Dopuit	o maioi	(1001)					r Bentonite	•	Bentonit			<i>.</i> 11		
					915		- Alliana		11/2014/03/2			ards. Sacks.	Sealan		Mix	Ratio	0
5. Material Used	to Fi	ii Weii / Dri	linole			* 11			From (ft.)	To (ft.)	or \	/olume (circl	e one)	0	r Mud	We	ight
3/8" Bentonite C	hips							$\dashv$	Surface	10.0		0.4 sacks					
					<del></del>			-									
6. Comments	12 m/50 14 m	2004年6月24日 2007年		Scotting.) Care			4.0		is the grant of a term. Taken to be to the					August Stakes			3167 (14) (14)
Boring B22G								-									
7. Supervision o	af Woi	rk											DNR U	se On	V.		
Name of Person or F			Sealing		License	#	s enternatingen)			Sealing or V	erification	Date Received	agrice of Table	Noted		est of the	eranti IV dag
Twin Ports Testi		-						(mn	n/dd/yyyy)	07/07/20	16						
Street or Route								Tele	ephone Numb	er		Comments					
1301 N 3rd St.						<u> </u>			715)392-71			L		1=			
City				ŀ	State	j	P Code	5	Signature of P	Person Doin	g Work	$Q \Sigma$		1	Signed   <i>[9]</i>	1/1	•
Superior					WI	$\perp$	54880			_		2		7	<u>  19  </u>	10	

## Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

☐ Verification C	Only of Fill	and Seal		o DNR Bureau Prinking Water	: 	☐ Watershe	ed/Wastewater	Reme	diation/Rede	velopment
	2000 200 200 200 25 Mary Vo		V LL	Vaste Managen		Other	STATES A SERVICE OF SERVICE STATES AND SERVICE STATES	zerandonogo estágo W	Compart or reference assessing	es villa, e Slaha Maron mote
1. Well Location In  County	ormation WI Unique V	Noll # of	Uioon #		2. Facility Facility Name		<b>iformation</b>			THE STATE OF THE S
County	Removed W		Hicap #		1			. 01)		
Douglas	0				Facility ID (FII		eet) (ID# 8680-00	J-U1)		
Lattitude / Longitude (se	e instructions)	Form	at Code	Method Code		J 01 1 11 0 7				
46.72025°	N		DD	☐ GPS008 ☐ SCR002	License/Perm	it/Monitoring	1#			
-92.09093 °	W		DDM	OTH001			<b>,</b> "			
1/4 / 1/4		Section	Township	Range	Original Well	Owner				<del></del>
or Gov't Lot#					-   ·					
Well Street Address					Present Well	Owner				
Dallman Street						NW Region				
Belknap Street Well City, Village or Tow	m		Well ZIP	Code	Mailing Addre	ss of Preser	nt Owner			
Superior	""		54880		1701 N 4t					
Subdivision Name			Lot #	<u> </u>	City of Preser	nt Owner		Sta	1	Code
					Superior	and the second second second				4880_
Reason For Removal Fr	om Service	WI Unique We	II # of Replac	cement Well			en, Casing & Se			
Soil Boring						piping remo	ved?	☐ Ye	= ::	⊠ N/A
3. Filled & Sealed V	Vell / Drillhold	:/Borehole	Informatio	in .	Liner(s) rei			☐ Y	=	⊠ N/A ⊠ N/A
Monitoring Wel		Original Cons	struction Dat	e (mm/dd/yyyy)				''	=	⊠ N/A ⊠ N/A
☐ Water Well		07/07/20	16		Screen ren			Y		⊠ N/A
<u> </u>		If a Well C	onstruction F	Report is	Casing left	in place?				
Borehole / Drilli	nole		olease attach			g cut off belo		=	es   No	⊠ N/A
Construction Type:					1		e to surface?	=	es   No	∐ N/A
Drilled	Driver	(Sandpoint)		Dug	[	al settle after		= :.	es 🔀 No	∐ N/A □ N/A
Other (Specify)	Geoprobe		_	<del></del>		as hole reto	• •	_	23 🖂 140	
	Geoplobe					•	used, were they hy In safe source	rdrated Ye	es 🗌 No	⊠ N/A
Formation Type:							ng Sealing Material			
Unconsolidated For	mation		Bedrock		1 —	tor Pipe-Gra	-		Pipe-Pumpe	d
Total Well Depth From C	Fround Surface	(ft) Casing I	Diameter (in.	)	Screen	ed & Poured hite Chips)	•	Other (Exp		u
Lower Drillhole Diameter	· (in )	Cooing [	Depth (ft.)		Sealing Mater	rials				
	(111.)	Casing I	Jepui (it.)		Neat C	ement Grout	t	Concre	ete	
2.1					⊟ □ Sand-C	ement (Con	crete) Grout	Bentor     Be	nite Chips	
Was well annular space	grouted?	Yes	No 📙	Unknown	For Monitorin	g Wells and	l Monitoring Well B	oreholes Only:		
If yes, to what depth (fee	et)?	Depth to Wa	ter (feet)		☐ 🕍 Benton	ite Chips	<u></u> В	entonite - Ceme	ent Grout	
and the second s		Season de tra establica e reco	Marakkada Jawa wa canda wake wa ca	z oskoluju po pieranoviju i Prije	Granula	ar Bentonite		entonite - Sand		and the same and
5. Material Used to					From (ft.)	To (ft.)	No. Yards, S or Volume	acks Sealan (circle one)		Ratio d Weight
3/8" Bentonite Chip	S				Surface	10.0	0.4	sacks		
					_	-				
6. Comments		7.5	7.1			<u>l</u>		Part 1	100000000000000000000000000000000000000	n engan
Boring B22H			Contract of the Contract of th				resulficientes de Maria	y 50年12日 (17) (18) (18) (18) (18) (18) (18) (18) (18	S. Carlo Maria (1965)	mashights sign
7. Supervision of W	ork .		a family facility and					DNR U	se Only	
Name of Person or Firm		Sealing	License	#		Sealing or V	/erification Date Re		Noted By	and some private Mediting 15
Twin Ports Testing,	Inc.				(mm/dd/yyyy)	07/07/20	16			
Street or Route					Telephone Numl	ber	Comme	nts		
1301 N 3rd St.			_		(715)392-71					
City			State	ZIP Code	Signature of F	Person Doin	g Work	25	Date Signed	19/16
Superior			WT	54880	1			$\sim$	1 71	1711.0

1301 N 3rd St.

Superior

City

#### 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 Format Code DD 🖂 46.72059° License/Permit/Monitoring # SCR002 ☐ 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 ZIP Code Well City, Village or Town 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 M 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 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 X No N/A Did material settle after 24 hours? Drilled Driven (Sandpoint) ☐ Dug Yes  $\boxtimes$ N/A 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.) **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 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 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. Telephone Number Street or Route Comments

(715)392-7114

Signature of Person Doing Work

Date Signed

State

WI

ZIP Code

54880

## Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

□ Varification (	anhy of Filly	and Cool	Route to	O DNK Burea	u: 						
☐ Verification C	only of Fill a	and Seal		rinking Water		Watersh	ed/Wastewater	Rer	mediation/	Redeve	elopment
			v	/aste Manage		Other _					
1. Well Location Inf					2. Facility	/ Owner Ir	nformation				
County	WI Unique V Removed W		Hicap #		Facility Name		) <del></del> !! 0 0 0				
Douglas	0				USH 2 (B Facility ID (FII		eet) (ID# 8680-00	-01)			
Lattitude / Longitude (se	e instructions)	Form	at Code	Method Code		J (1 PVV3)					
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-92.09095 °	W		DDM	OTH001			• "				
1/4 1 1/4 1/4		Section	Township	Range	E Original Well	Owner					
or Gov't Lot#					w						
Well Street Address					Present Well		n				
Belknap Street					Mailing Addre						
Well City, Village or Tow	n		Well ZIP		1701 N 4t	h Street					
Superior Subdivision Name			54880 Lot #	)	City of Preser	t Owner		S	State	ZIP Co	ode
Subdivision Name			LOI #		Superior				WI	548	80
Reason For Removal Fr	om Service	WI Unique Wel	# of Replac	ement Well	4. Pump, E	iner, Scre	en, Casing & Se	aling Mate	rial		
Soil Boring	JIII GOI VIGO	TT Griiquo TT Gr	in or replac	OTTION TO II	Pump and	piping remo	ved?	Ц	Yes		⊠ N/A
3. Filled & Sealed V	/ell / Drillhole	:/ Borehole	nformatio	ń	Liner(s) rei	noved?			Yes		⊠ N/A
Monitoring Wel				e (mm/dd/yyyy					Yes		⊠ N/A
=	•	07/07/201	.6		Screen ren			님	Yes		⊠ N/A ⊠ N/A
Water Well		If a Well Co	onstruction F	Panort is	Casing left	in place?					
Borehole / Drilli	ole		lease attach		Was casin	g cut off bel	ow surface?		Yes		⊠ N/A
Construction Type:					1		e to surface?		Yes U	No	N/A
Drilled	Driven	(Sandpoint)		Dug		al settle afte		H	Yes ⊠ Yes ⊠	No   No	∐ N/A □ N/A
Other (Specify)	Geoprobe				•	as hole reto	•	ا ا	163	IVO	
	Ceoprobe					•	used, were they hy In safe source	urated	Yes 🗌	No	⊠ N/A
Formation Type:							ng Sealing Material				
Unconsolidated For	mation		Bedrock		1 —	tor Pipe-Gr	· · ·	Conduct	tor Pipe-P	umped	
Total Well Depth From C	Fround Surface	(ft) Casing D	iameter (in.	)	Screen	ed & Poured ite Chips)	·	Other (E	•	,	
Lower Drillhole Diameter	(in.)	Casing D	epth (ft.)		Sealing Mater	ials					
2.1					Neat C	ement Grou	t		crete		
		<del></del>	🗂			•	crete) Grout		tonite Chi <sub>l</sub>	os	
Was well annular space	T.,	Yes L	No 📙	Unknown		-	Monitoring Well B		=		
If yes, to what depth (fee	it) f	Depth to Wat	er (teet)			te Chips		entonite - Ce		Jt.	
				2.00.00	From (ft.)	r Bentonite	No. Yards. S	entonite - Sa acks Seala	ent i	Mix F	Ratio
5. Material Used to	Fili Well / Dri	inole		147	From (IL):	10 (TL)	or Volume	(circle one	) o		Weight
3/8" Bentonite Chip	8				Surface	10.0	0.4	sacks			
6. Comments	A signatura							al a		1449.00	70.00
Boring B22J	and the second second second second	on the second of the second of the second of the second of the second of the second of the second of the second			en, and the holder of the South			n geging och distributet (1916)	og tipettillering til	40.00 (A.)	respective states.
7. Supervision of W	lork		50-71 T. F.					nkip	Use On	ersa e	
Name of Person or Firm		Sealing	License	#	Date of Filling &	Sealing or \	/erification Date Re		Noted		481,7466136
Twin Ports Testing,					(mm/dd/yyyy)	07/07/20				-,	
Street or Route					Telephone Numl		Commer	nts			
1301 N 3rd St.					(715)392-71						
City			State	ZIP Code	Signature of F		g Work	7>	Date S	igned	
Superior			l wi	54880			` S	78	171	19 //	6

# Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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□ Verification	Only of I	2 hae Ili=	ادما			NR Bureau	ı:		_								
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		Edite Section	4 4 22 2 2 2	<u></u> Ш <b>V</b>	ast	e Manager		t 2. Facility /	Other	r panemar y		1.52.7456	erwayn, e	HOW C	Albertar	1370202	PROFESSOR!
1. Well Location 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)					
Douglas	0							Facility ID (FID		( :-							
Lattitude / Longitude	•	ns)	Format	1	Me	thod Code	,										
46.72058°	N			DD DDM	בַ	SCR002	Ī	License/Permi	t/Monitoring	#							
-92.09107°	W	Section	<u> </u>	ownship	L	OTH001											
	/4		'  '	Ownship	170		_	Original Well (	Owner								
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 displacement	nika sukira na sama bakir sisilama	Compression Calculation Calcul		WI	Production Co.	548		with the second and
Reason For Removal	I From Service	WI Unia	ue Well i	# of Replac	eme	ent Well	-	4. Pump, Li	ner, Scre	en, Casii	ng & Seal	ing Mat					
Soil Boring								Pump and p		ved?			Yes	=	No		N/A
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	nm/dd/yyyy	/)	Liner(s) per					Yes	_	No	=	N/A	
☐ Water Well		07/	07/2016	5				Screen rem Casing left					Yes	H	No		N/A
	S 1011 - 1	lf a	Well Cor	nstruction F	Repo	ort is								一		_	N/A
Borehole / D	Drillnole	ava	ilable, pl	ease attach			Was casing				$\nabla$	Yes Yes	H	No No		N/A N/A	
Construction Type:								Did sealing Did materia					Yes	$\square$	No	=	N/A
Drilled		riven (Sandp	oint)		] [	Dug			as hole reto				Yes	<u> </u>	No	=	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	•	Ļ	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 Mater	ials								
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	-	Monitorin			-	_			
If yes, to what depth	(feet)?	Depth	to Wate	r (feet)					te Chips			itonite - C			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	<u>esterner</u> weste	A SOUTH TO THE SOU	Salkalisti kara sa	oran angarasa	750.00		ggw tet			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			14.5	
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.		_				Ľ.	elephone Numb	07/07/20 per	10	Comments						
1301 N 3rd St.							1	(715)392 <b>-</b> 71			35	-					
City				State	ZII	P Code		Signature of F		g Work	<u>\</u>	>	D	ate Si		<u> </u>	
Superior				WI		54880						6		7/	9/	ط!	

## Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

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 Present Well					
Well Street Address							_			
Belknap Street					Mailing Addre	NW Regio				
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		54880
						iner. Scre	en, Casing & Sealing			2 1000
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	38.2			Yes	s 🗍 N	o 🛱 N/A
Monitoring Well		-		e (mm/dd/yyyy	Screen rer			Yes	s 🗍 N	o 🛱 N/A
Water Well		07/07/201	16		Casing left			Yes	s 🗍 No	o 🛱 N/A
Borehole / Drillhole	<del>9</del>		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	3 <u>□</u> 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
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.	)	Screen	ctor Pipe-Gra ed & Poured nite Chips)	· —	onductor F her (Expla	Pipe-Pump ain)	ed
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-C	Cement (Con	crete) Grout	Bentoni	te 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	#		Sealing or \	/erification Date Received		Noted By	
Twin Ports Testing, In	c.				(mm/dd/yyyy)	07/07/20				
Street or Route					Telephone Num		Comments			
1301 N 3rd St.					(715)392-71					
City			State	ZIP Code	Signature of	Person Doin	g Work		Date Sign	ed
Superior			WI	54880				,	T/1	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		<b>*19</b> ***********************************		Treste i	
County	WI Unique V		ĵ	Hicap #		Fac	cility Name							
<b>D</b> 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 y of Presen				State	ZIP	Code	
Subdivision Name				Lot#		1 '	Superior	COWIG			WI	1	4880	
i								ner Scre	en, Casing & S	ealing M			1000	52000
Reason For Removal From	Service	WI Unique	Well#	of Replac	ement Well						Yes	□ No	$\overline{\boxtimes}$	N/A
Soil Boring						i	• •	piping remo	vea?	F	Yes		X	N/A
3. Filled & Sealed We	II / Drillhole					1260.	Liner(s) ren Liner(s) per			ř	Yes	∃ ‰	X	N/A
Monitoring Well		· ·		iction Dat	e (mm/dd/yyyy	, ,	Screen rem			ř	Yes	☐ No		N/A
Water Well		07/07	7/2016			- 1	Casing left			Ī	Yes	∏ No	X	N/A
	_	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	•	materiai ris al settle aftei	e to surface?	ľ	Yes	⊠ No	Ħ	N/A
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		<b>—</b> 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	2012 April 1980 1980 1980 1980 1980 1980 1980 1980	SHEEK OV. OF	enclaire ou con c	ver effektive en alle bestere en fille i	L	□ Granula	r Bentonite	beeffer Warring	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							Buriuce	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. 18 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, In	ıc.					ļ`	dd/yyyy) 	07/07/20						
Street or Route						1 .	hone Numb		Commi	ents				
1301 N 3rd St.			- га	N. 1-	710.0	_	15)392-71		- 10/1		le.	1. 0:		
City			\$	State	ZIP Code	Sig	gnature of F	Person Doin	g vvork	2	Da	ate Signe	1   7.01	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	to DNR Burea	au:								
□ Verification C	only of Fill	and Seal		Orinking Water	r		Watershe	ed/Wastewate	er	Remedi	iation/Re	edevel	lopment
	-		v	Vaste Manage	emer		Other						
1. Well Location Inf						2. Facility	Owner In	formation					
County	WI Unique V Removed W		Hicap #			Facility Name							
Douglas	0					USH 2 (Be Facility ID (FID		et) (ID# 86	80-00-01)				
Lattitude / Longitude (see	e instructions)	Forn	nat Code	Method Cod		racility (Fil	) (I PVV3)						
46.72057°	N		₫ DD	☐ GPS008		License/Permi	it/Monitoring	ı#					
-92.08769°	W	[	DDM	OTH001				,					
1/4 1 1/4		Section	Township	Range	E	Original Well (	Owner						
or Gov't Lot#					w	_							
Well Street Address			L			Present Well (	Owner						-
						WisDOT 1	NW Region	<u> </u>					
Belknap Street Well City, Village or Tow			Well ZIF	2 Code		Mailing Addres	ss of Preser	nt Owner					
Superior	11		5488			1701 N 4t	_						
Subdivision Name			Lot #			City of Presen	t Owner			State	1	ZIP Co	
						Superior 4. Pump, L	and the same of the same of		e Caaling 1	W		548	80
Reason For Removal Fro	om Service	WI Unique We	ell # of Repla	cement Well		-			o Seamy i			World Commonwe	SATISFIED PARTY
Soil Boring							piping remo	ved?		Yes Yes	=		⊠ N/A ⊠ N/A
3. Filled & Sealed V	/eli / Drillhold					Liner(s) rer				Yes	= .	-	⊠ N/A
Monitoring Well				te (mm/dd/yyy	/y)	Liner(s) per Screen rem				☐ Yes	<b>=</b> .	-	⊠ N/A
☐ Water Well		07/07/20	16			Casing left				Yes	≓.		N/A
		If a Well C	construction	Report is							<del></del>	<u>*</u>	N/A
Borehole / Drillh	oie	available,	please attac	h		1	g cut off belo			Yes Yes	=	No [2 No [	X N/A □ N/A
Construction Type:						1	i materiai ris al settle aftei	e to surface?		Yes		No [	∃ N/A
Drilled	Driver	n (Sandpoint)		Dug			as hole reto			Yes		No [	N/A
Other (Specify)	Geoprobe					1		used, were ti	nev hydrated				
Formation Type:						]	•	n safe source		Yes	3 🔲 I	No [	⊠ N/A
Unconsolidated Forr	mation		Bedrock			Required Met	hod of Placi	ng Sealing Ma	aterial				
Unconsolidated For	nation		Dedrock			Conduc	tor Pipe-Gra	avity	□ c₀	nductor P	ipe-Pur	nped	
Total Well Depth From G	Fround Surface	(ft) Casing	Diameter (in	.)			ed & Poured		☐ Oth	ner (Expla	ain)		
							ite Chips)						
Lower Drillhole Diameter	(in.)	Casing	Depth (ft.)			Sealing Mater				Comercia			
2.1						l 🗀	ement Grout	crete) Grout	Ħ	Concrete	e te Chips		
Was well annular space	arouted?	Yes [	No [	Unknown		For Monitorin		•			ie Cilibs		
If ves, to what depth (fee		Depth to Wa					ite Chips	Wormoning   	Bentonite	-	nt Grout		
,	7.						ar Bentonite	j	Bentonite				
- W 11		110_1_	alderstein sie E				<b>-</b>	No. Yar	ds, Sacks S	Sealant		Mix R	atio
5. Material Used to	LIII AAGII 1 DII	unole		41	7	From (ft.)	To (ft)	or Vo	iume (circle	one)	or	Viud \	Weight
3/8" Bentonite Chips	3					Surface	10.0		0.4 sacks		-		
											+-		
6: Comments	26.25.04460		100				E STATE OF S					i jawa	A ARREST
Boring B28F			and the second section of the second		San Paris	n sentan de la Superior	Angelet St. St.	erson and the Schalland (S)	superinante emiliados e	· 中央社会工作及政府基础	ne da Servici	(2 VES 5 NAS )	garanggaran karangan d
Ü													
7. Supervision of W	ork					T 17 10 10 10 10 10 10 10 10 10 10 10 10 10	entraction of			DNR Us	e Only		
Name of Person or Firm	Doing Filling &	Sealing	License	e #		ate of Filling &	Sealing or V	/erification Da	ate Received	ı	Noted B	y	
Twin Ports Testing,	Inc.					nm/dd/yyyy)	07/07/20	16					
Street or Route					Te	elephone Numl		Co	omments		-	·	
1301 N 3rd St.						(715)392-71							
City			State	ZIP Code		Signature of F	Person Doin	g Work	$\leq \sim$	_	Date Sig	ned	1/1-
Superior			WI	54880					1	اد	7	/ L I	114

# Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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□ Verification	n On	ly of Fill a	and Seal	I KO		DINK Bureau			. 1044 - 11	г.				
		,				rinking Water	. –	_	ed/Wastewater	L	Remedia	tion/Red	evelop	ment
a wantean			W. S. C. C. C. C. C. C. C. C. C. C. C. C. C.	enalez en	W	/aste Managen	nent	Other				NASCHIANA	EASKER!	75542553a
1. Well Location County	ii inioi	WI Unique V	/ell # of	Hica	n#		Facility Name		rormation				diam'r.	
County		Removed W	ell	Tiloa	4P #		1 ,		eet) (ID# 8680-0	00-01)				
Douglas		0					Facility ID (FII		ct) (ID# 0000-1	<i>30-01)</i>				
Lattitude / Longitud	le (see i	nstructions)	1 .	mat Cod	le	Method Code GPS008	, ,	,						
46.72057°		N		⊠ DD	.	☐ SCR002	License/Perm	it/Monitoring	<b>j</b> #					
-92.08797 °		W		_ DDN		☐ OTH001								
1/4 / 1/4	1/4		Section	Towns	ship	Range E	Original Well	Owner						
or Gov't Lot#						\	N							
Well Street Address	s						Present Well	Owner NW Regio:	<b>n</b>					
Belknap Stree							Mailing Addre							
Well City, Village or	r Town			We	ell ZIP	Code	1701 N 4t							
Superior					54880	)	City of Preser				State	ZIF	Code	
Subdivision Name				Lot	t #		Superior				WI		54880	)
								iner, Scre	en, Casing & S	ealing Ma	terial			
Reason For Remov	/al From	Service	WI Unique W	ell # of F	Replac	ement Well	Pump and	piping remo	ved?		Yes	☐ No		N/A
Soil Boring		18 - F	Electrical and the second	un marke me registre	NAMES AND THE PARTY OF THE PART	en et en er skrive skrive var skrive s	Liner(s) re				Yes	□ No	· 🖂	N/A
3. Filled & Seal	ea vve					<b>n</b> e (mm/dd/yyyy				,	Yes	□ No	· 🔯	N/A
Monitoring	Well		07/07/2		n Date	e (IIIIII/QQ/yyyy)	Screen rer				Yes	□ No	$\boxtimes$	N/A
Water We	ell		07/07/2	)10			Casing left	in place?			Yes	No	) X	N/A
Borehole /	Drillhol	e e	If a Well				Was casin	g cut off belo	ow surface?	Г	Yes	□ No		N/A
			available	please	attach	l		•	e to surface?	D	Yes	ΠN	, 🖺	N/A
Construction Type:					_	<b>-</b>	1	al settle afte			Yes	⊠ No	, 🗀	N/A
Drilled		Driven	(Sandpoint)		L	Dug	If yes, w	as hole reto	pped?		Yes	⊠ No	, [	N/A
Other (Specify	<i>'</i> ) (	Geoprobe					1 -		used, were they	hydrated				
Formation Type:							with water	from a know	n safe source		Yes	□ No	· 🛛	N/A
☐ Unconsolidated	d Forms	ation		Bedro	nck		Required Met	hod of Placi	ng Sealing Materi	al				
			(f) Cosine					ctor Pipe-Gra	avity	U Cond	uctor Pip	e-Pump	ed	
Total Well Depth Fr	rom Gro	ound Surface (	(ii) Casing	Diamete	er (in.)	)		ed & Poured nite Chips)	İ	U Othe	r (Explair	1)		
Lower Drillhole Diar	meter (i	n.)	Casing	Depth (	(ft.)		Sealing Mater	rials						•
2.1								ement Grou			Concrete			
		autada [	Yes	] No	П	Unknown		•	crete) Grout		Bentonite	Chips		
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1301 N 3rd St.							(715)392-71							
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Superior				l W	1\	54880			8	8		111	7//	N

Superior

# 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)

Page 1 of 2

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

dnr.wi.gov Form 3300-5 (R 4/2015) F
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## Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

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or Gov't Lot#				'   '	1									
Well Street Address		<del></del>			W Present Well	Present Well Owner								
Well Offeet Address					WisDOT	WisDOT NW Region								
Belknap Street					Mailing Address of Present Owner									
Well City, Village or Town				IP Code	1701 N 4t	h Street				(				
Superior			548	80	City of Presen	t Owner			State ZIP Co					
Subdivision Name			Lot #		Superior			,	WI	548	380			
					4. Pump, L	iner, Scre	en, Casir	ng & Sealing Mat	erial	700 To 400				
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Water Well		07/07/2	016		Casing left				Yes 🗍	No	⊠ N/A			
	.la	If a Well	Construction	Report is							N/A			
Borehole / Drillho	ле —————	available	, please atta	ch.										
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Formation Type:		_	Bedrock			Required Method of Placing Sealing Material								
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						(Bentonite Chips)								
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					Sand-Cement (Concrete) Grout Bentonite Chips									
Was well annular space g	routed?	Yes L	_l No _L	Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:									
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Name of Person or Firm Doing Filling & Sealing License # Da						Sealing or \	/erification	Date Received	Noted	200	na al procesor est est trada.			
Twin Ports Testing, Inc.						07/07/20	16							
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1301 N 3rd St.						(715)392-7114								
City			State	ZIP Code	Signature of Person Doing Work				Date Signed					
Superior			WI	54880						1/4/,	16			
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Superior

54880

## 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 Waste Management Other 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) Method Code Lattitude / Longitude (see instructions) Format Code  $\boxtimes$  DD 46.72061° License/Permit/Monitoring # SCR002 ☐ DDM -92.10242° 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 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  $\boxtimes$ N/A Pump and piping removed? Soil Boring Yes No  $\boxtimes$ N/A Liner(s) removed? 3. Filled & Sealed Well / Drillhole / Borenole Information Yes No  $\boxtimes$ N/A Liner(s) perforated? Original Construction Date (mm/dd/yyyy) Monitoring Well No X N/A Yes Screen removed? 07/06/2016 No  $\boxtimes$ N/A Yes Water Well Casing left in place? If a Well Construction Report is Nο N/A Borehole / Drillhole Yes Was casing cut off below surface? available, please attach, X Yes No N/A Did sealing material rise to surface? Construction Type: N/A Yes No 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  $\boxtimes$ 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.) X 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 Unknown Was well annular space grouted? L No 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 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 6. Comments Boring B5D

#### 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 ZIP Code State Signature of Person Doing Work Date Signed 55 19 Superior WI 54880

# Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/2015)

Page 1 of 2

☐ Verification Only	eal		rinking Water	ater Watershed/Wastewater Remediation/l						lopment				
			Waste Management Other											
1. Well Location Informa	tion			Harry Street	2. Facility	Owner in	<b>iformation</b>			推翻	<b>W</b>			
	Unique Well # of		Hicap #		Facility Name									
	moved Well						eet) (ID# 8680-00-01)							
Douglas  Lattitude / Longitude (see instru	()	Format	Codo	Method Code	Facility ID (FID or PWS)									
• •	•	l —	DD	GPS008										
46.72061 ° N			DDM	SCR002	License/Permi	t/Monitorino	<b>j</b> #							
-92.10217 ° V	<del></del>	L		OTH001										
	Section		ownship	Range	E Original Well (	Owner								
or Gov't Lot#				\	w									
Well Street Address					Present Well Owner									
Belknap Street		WisDOT NW Region  Mailing Address of Present Owner												
Well City, Village or Town			nt Owner											
Superior			Well ZIP 5488		1701 N 4tl				T===	_				
Subdivision Name			Lot #	<u> </u>	City of Presen	t Owner		Sta		ZIP Co				
					Superior	And Paris Control of the Later	eg Garden (de la companya de la companya de la companya de la companya de la companya de la companya de la comp		WI	548	80			
Reason For Removal From Se	rvice WI Uniq	ue Well #	of Replace	cement Well	ARPUMP, L	ner, Scre	en, Casing & Sealing			HARAS				
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 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?								
Drilled	」 Driven (Sandp	oint)	L	Dug	1	If yes, was hole retopped?								
Other (Specify) Geo	probe					If bentonite chips were used, were they hydrated								
Formation Type:					with water f	with water from a known safe source Yes No N/A								
Unconsolidated Formation			Bedrock		Required Meth	Required Method of Placing Sealing Material								
Onconsolidated Formation			beurock		Conduc	Conductor Pipe-Gravity Conductor Pipe-Pumped								
Total Well Depth From Ground	Surface (ft) C	asing Dia	ameter (in.	.)	Screened & Poured Other (Explain)									
						(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									
Was well annular space groute			No L	Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:									
If yes, to what depth (feet)?	Deptin	to Wate	r (reet)		Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry									
<b>U</b>		100		/2.0023.6-6-7.d	Granula	r Bentonite	CELLING THE ARCHED AND ARCHED AND ARCHED AND ARCHED AND ARCHED AND ARCHED AND ARCHED A	Marine Top The Care Law Top			ner sign fallers.			
5. Material Used to Fill W	ell / Drillhole			a transfer	From (ft.)	To (ft)	No. Yards, Sacks or Volume (circ	<b>"是我们的一种"</b>		Mix F Mud	catio Weight			
The Magnetic Section 1997			1.16-12-12-12							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		_					
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6. Comments		-491, 47 J												
Boring B5E														
7. Supervision of Work								DNR L	Jse On	ly				
Name of Person or Firm Doing		Sealing or \	erification Date Receive	d	Noted	Ву								
Twin Ports Testing, Inc.					(mm/dd/yyyy)	07/06/20	16							
Street or Route Te					Telephone Number Comments									
1301 N 3rd St.					(715)392-7114									
City			State	ZIP Code	Signature of Person Doing Work						111			
Superior WI 5488						>8 7/19/12								

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

Form 3300-5 (R 4/2015)

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1. Well Location Infor	Hicap	<b>u</b>		2. Facility / Owner Information												
County	WI Unique Well # of Removed Well			#		Facility Name										
Douglas ()						USH 2 (Belknap Street) (ID# 8680-00-01)										
Lattitude / Longitude (see i	mat Code	. 1	Method Code	Facility ID (FII	or PWS)											
46.72062 °		´   '	GPS008		••••											
	N	1	□ DDM	Ì	SCR002	License/Perm	it/Monitoring	<b>)</b> #								
-92.10136°	-92.10130 VV															
		Section	Townsh	"P	Range	Original Well Owner										
or Gov't Lot#						w										
Well Street Address		Present Well	Present Well Owner													
Dellanon Cincot						WisDOT NW Region										
Belknap Street Well City, Village or Town			Wal	I ZIP (	ando.	Mailing Addre	ss of Preser	nt 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	54880					
D Fas D	Camila In	(II I I=1 14	-114-65			44:000	iner, Scre	en, Casing	8 Sealing Mat	erial	174	9900				
Reason For Removal From	service M	VI Unique W	ell# of Re	epiace	ment Well	Pump and	piping remo	ved?		Yes	No	N/A				
Soil Boring			er yan zerenia	Apple Service	Eligibility de Commence	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			Casing left			<u> </u>	Yes	No	⊠ N/A				
		If a Well	Construct	ion Re	enort is	- Cusing lon	iii piaco:									
Borehole / Drillhole	9		, please a			Was casing cut off below surface?										
Construction Type:	-					Did sealing	Did sealing material rise to surface? Yes No No									
Drilled	Driven (	(Sandpoint)			Dug	Did material settle after 24 hours?										
	bliveii	(Oanapoint)		L.,J	Dag	If yes, w	If yes, was hole retopped?  Yes  No  N/A									
Other (Specify)	Seoprobe					If bentonite	chips were	used, were	they hydrated	, –		<u></u>				
Formation Type:						with water	from a know	n safe sourc	e L	Yes	No	⊠ N/A				
Unconsolidated Forma	tion	Г	Bedroo	k		Required Method of Placing Sealing Material										
Officersolidated Formation						— ☐ Conduc	Conductor Pipe-Gravity Conductor Pipe-Pumped									
Total Well Depth From Gro	und Surface (f	t) Casing	Diamete	r (in.)		Screened & Poured (Bentonite Chips)										
Lower Drillhole Diameter (in	ո.)	Casing	Depth (ft	t.)		Sealing Mater	rials									
2.1						│	Neat Cement Grout Concrete									
2.1		<del>-</del>		$\overline{}$		— Sand-Cement (Concrete) Grout Bentonite Chips										
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							
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 Well / Dim	noie				Fidilitie	10 (11.)	or Vo	olume (circle or	ie) c	r Mud	Weight				
			· <u> </u>													
3/8" Bentonite Chips						Surface	10.0		0.4 sacks							
6. Comments	24.5								Paris (Carlotte)		7 18 1					
Boring B6C	10 K-10-10 (10 K)															
-																
7. Supervision of Wor	ĸ					Jene Balla			DN	R Use Or	ıly					
Name of Person or Firm Do		ealing	Lice	ense #	<del> </del>	Date of Filling &	Sealing or V	/erification D		Noted						
						(mm/dd/yyyy) 07/06/2016										
Street or Route						Telephone Num			omments							
1301 N 3rd St.																
City State ZIP Code						(715)392-7114 Signature of Person Doing Work Date Signed										
Superior			WI		54880	7/19					1/9/	6				
					2 1000											

# Well / Drillhole / Borehole Filling & Sealing

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☐ Verification Only of Fill and Seal			I —	ว <b>บทห Burea</b> เ rinking Water	i: 	Watershed/Wastewater				Remediation/Redevelopment			
				/aste Manager	nent $\Box$	nt Other							
1. Well Location Inf	ormation		adiati tempe		2. Facility	/ Owner Ir	formation						
County					Facility Name								
D 1	Removed Well						et) (ID# 8680	-00-01)					
Douglas () Lattitude / Longitude (see instructions) Forma			at Code	Method Code	Facility ID (FII	O or PWS)							
46.72062 °	,			☐ GPS008		14 (0 4 11 1	.,						
-92.10018 °	W		DD DDM	SCR002	License/Perm	it/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 Town Well ZIP Code					1701 N 4t		il Ownor						
Superior			54880	)	City of Preser				State	ZIP C	ode		
Subdivision Name			Lot #		Superior				WI	54	880		
	<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 inggroupe ang 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		
Water Well					Casing left	Casing left in place?					≥ N/A		
Borehole / Drillh	iole		nstruction F lease attach		Was casing cut off below surface? Yes No						N/A		
		availabio, p	iodoo dilaon		Did sealing	Did sealing material rise to surface?  Yes No N/A							
Construction Type:  Drilled	☐ Deliver	(Condocint)	_	1 nua	Did materia	Did material settle after 24 hours?							
	Driven	(Sandpoint)	L	Dug	If yes, w	If yes, was hole retopped?  Yes No N/A							
Other (Specify) Geoprobe					If bentonite	If bentonite chips were used, were they hydrated							
Formation Type:						with water from a known safe source Yes No N/A							
Unconsolidated Formation Bedrock					_ I <del></del> _		ng Sealing Mate						
Total Well Depth From G	Fround Surface (	(ft) Casing D	iameter (in.)	)									
						(Bentonite Chips)  Sealing Materials							
Lower Drillhole Diameter	(in.)	Casing D	epth (ft.)		r	Neat Cement Grout Concrete							
2.1						Sand-Cement (Concrete) Grout  Bentonite Chips							
Was well annular space	arouted?	Yes 🗌	No 🗆	Unknown		For Monitoring Wells and Monitoring Well Boreholes Only:							
If yes, to what depth (fee		Depth to Wat			Bentonite Chips Bentonite - Cement Grout								
	,	'	, ,			ar Bentonite		1	onite - Sand Slurry				
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					
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74 X	e de l'arrent de la comp		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) <del>* 2</del>	87. W.									
7. Supervision of Work									NR Use O		W.		
1/100					Date of Filling & (mm/dd/yyyy)		l l	Received	Note	d By			
Twin Ports Testing,	Inc.					07/06/20							
					Telephone Number Comments								
					(715)392-7114 Signature of Person Doing Work Date Signed								
City State ZIP Code Superior WI 54880					3/19/16					16			
Supci 101			AAT	J-100U				<u> </u>		/ /	· e		

# State of Wis., Dept. of Natural Resources

# 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 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) Format Code Method Code **GPS008** ⊠ DD 46.72032° License/Permit/Monitoring # SCR002 □ DDM <u>-92.</u>10095 ° W OTH001 1/4/1/4 Section Township Range Original Well Owner Е or Gov't Lot # l 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 ZIP Code City of Present Owner 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 Νo M N/A Yes Pump and piping removed? Soil Boring N/A Yes No Liner(s) removed? 3. Filled & Sealed Well / Drillhole / Borehole Information Yes No N/A Liner(s) perforated? Original Construction Date (mm/dd/yyyy) Monitoring Well  $\boxtimes$ Yes No N/A Screen removed? 07/07/2016 Yes No M 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.  $\boxtimes$ Yes No N/A Did sealing material rise to surface? Construction Type: No N/A Did material settle after 24 hours? Yes Drilled Driven (Sandpoint) Dug Dug N/A Yes No 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.) 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 Unknown Was well annular space grouted? ☐ Yes 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 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 B8D 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. 07/07/2016 Street or Route Telephone Number Comments 1301 N 3rd St. (715)392-7114 City ZIP Code State Signature of Person Doing Work Date Signed 119/16 Superior WI 54880