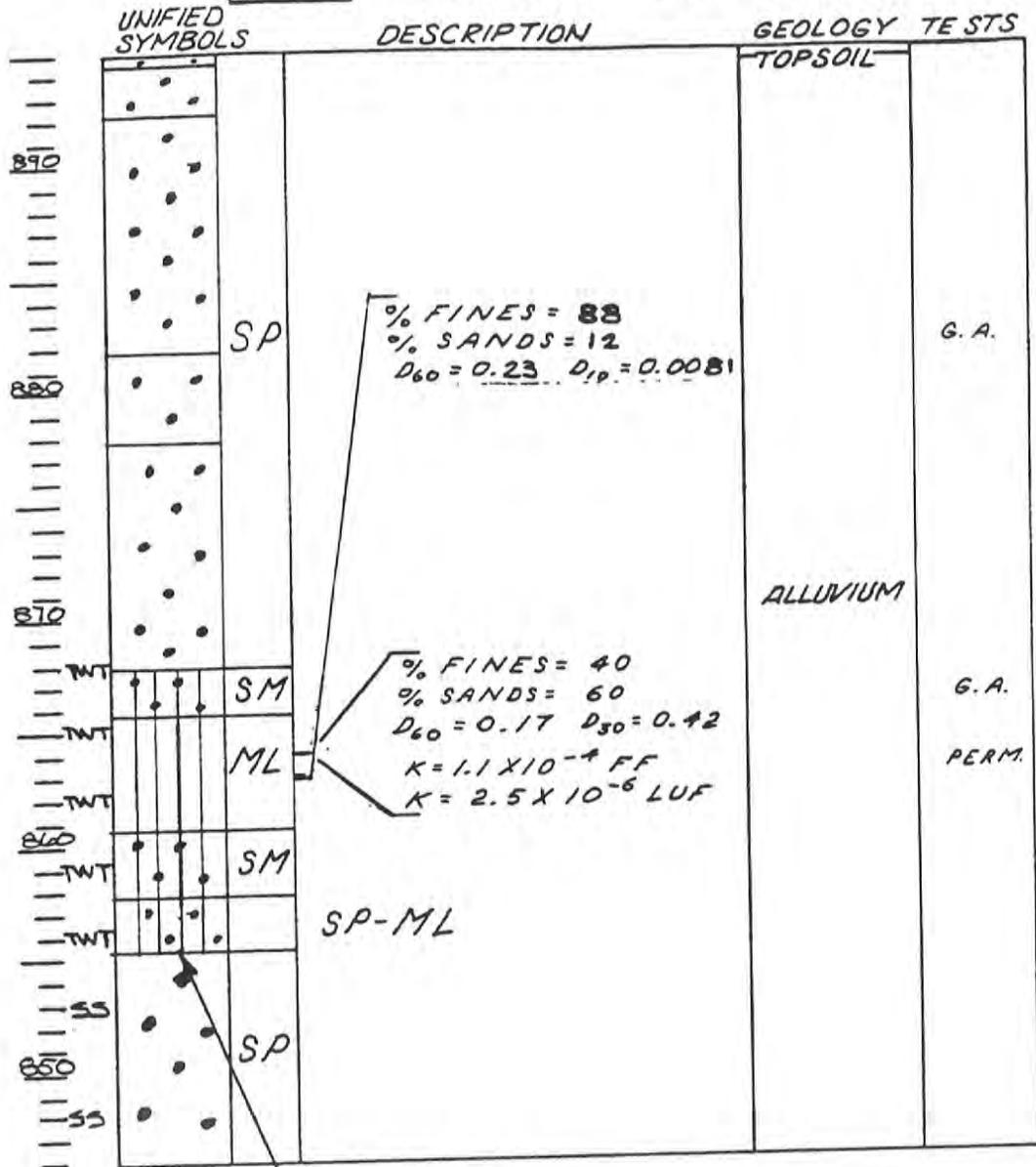
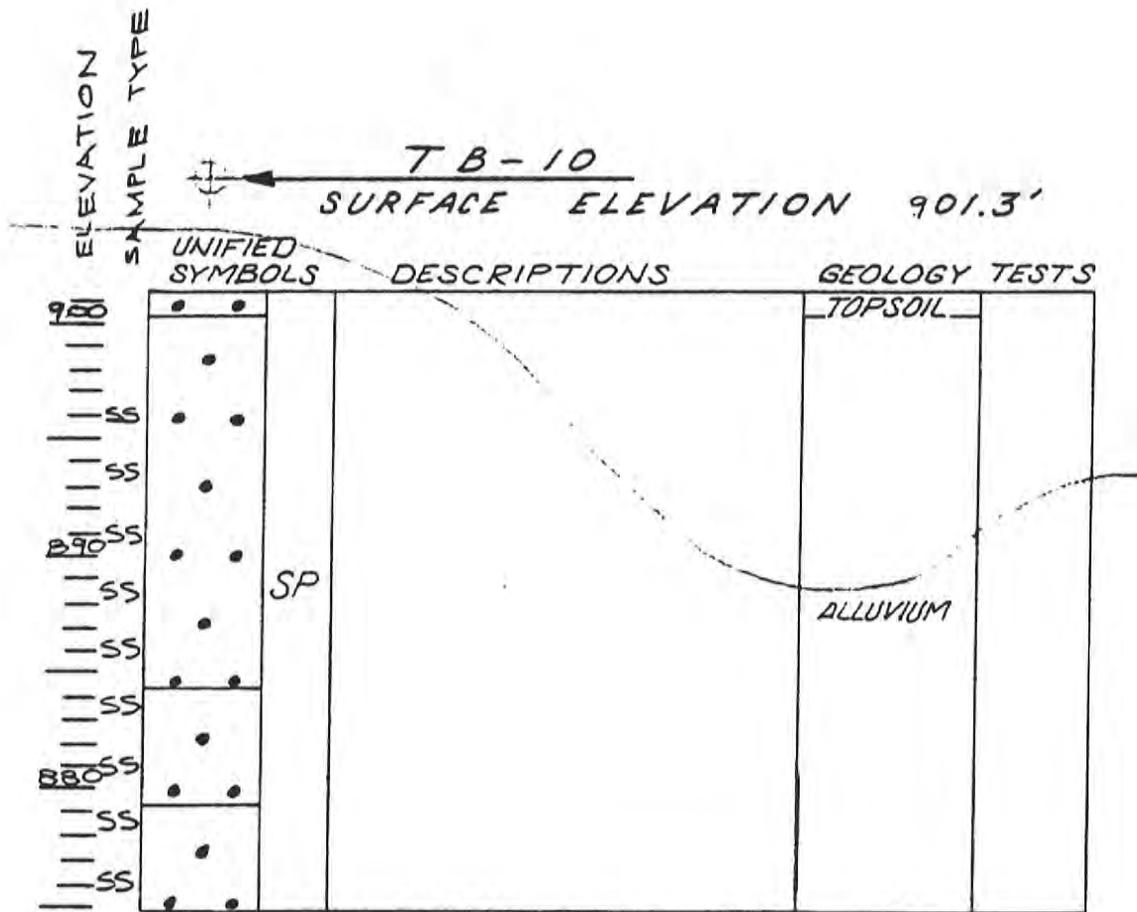
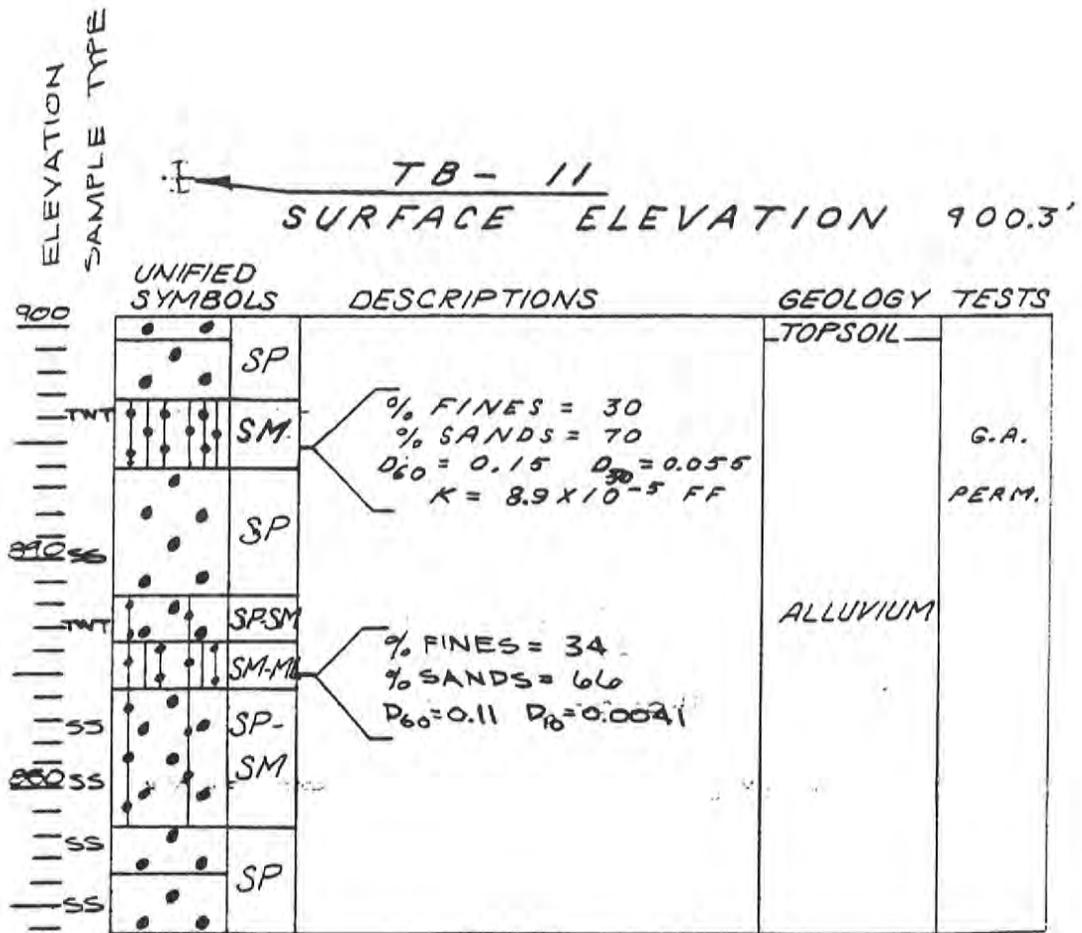


TB-5 SURFACE ELEVATION 8.

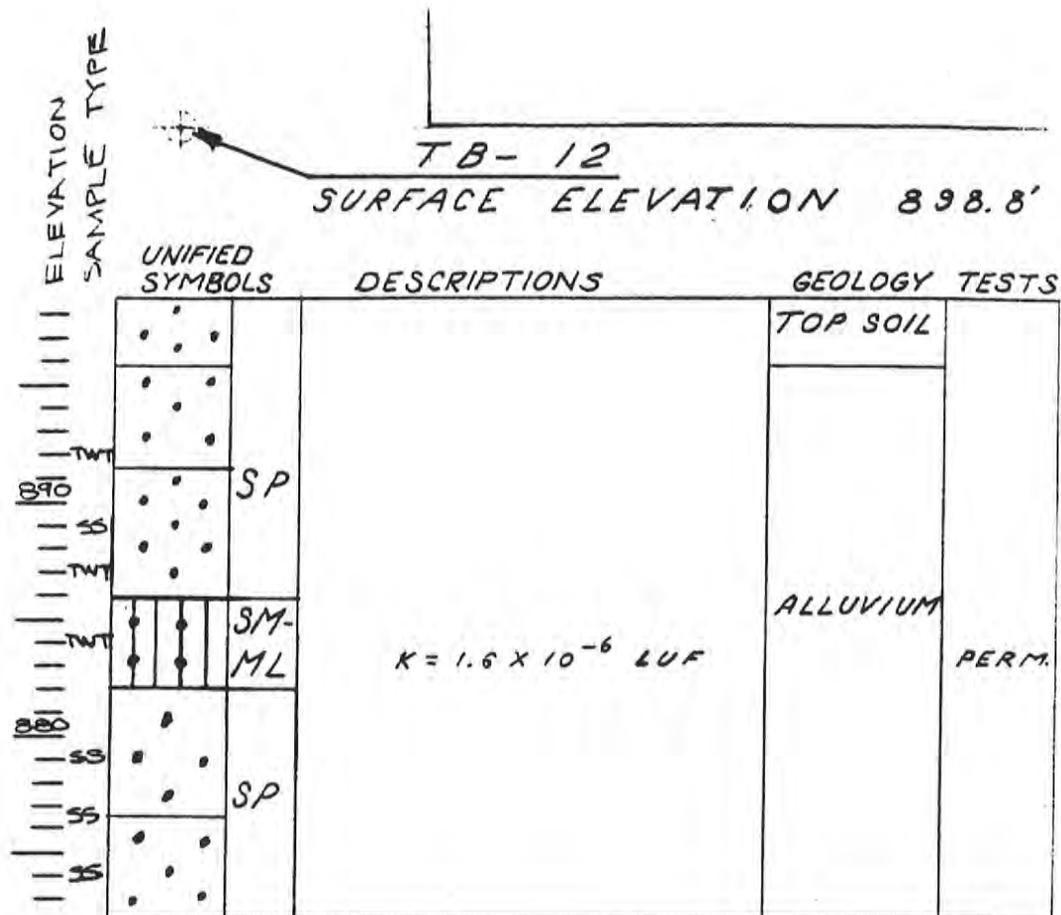


Seven Mile Creek Landfill
 Sector 1 Feasibility Report—1976
 Plan Sheets 2 and 3

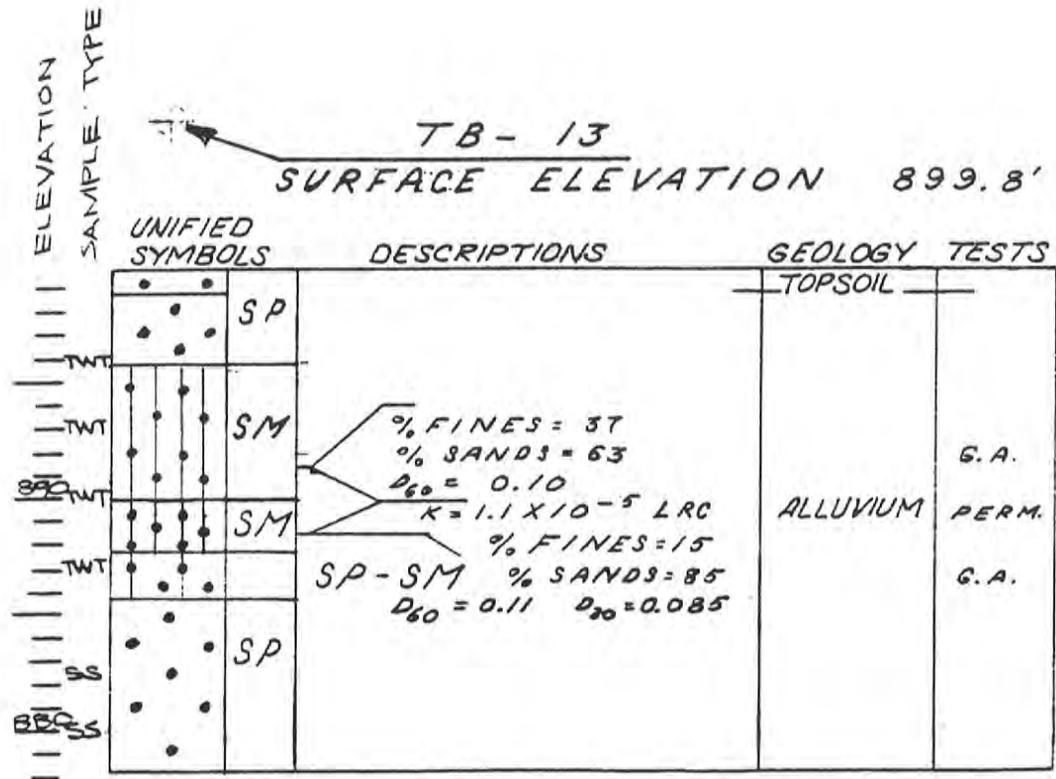




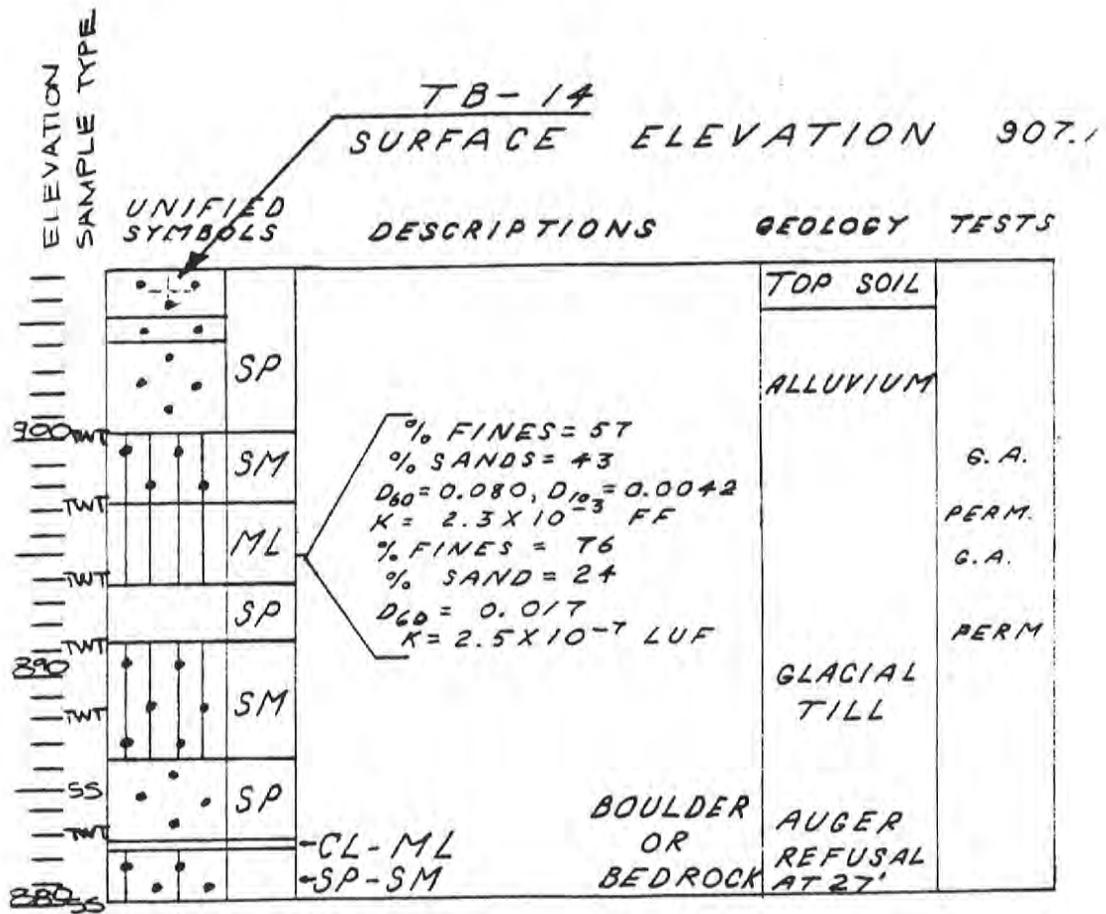
Seven Mile Creek Landfill
Sector 1 Feasibility Report—1976
Plan Sheets 2 and 3



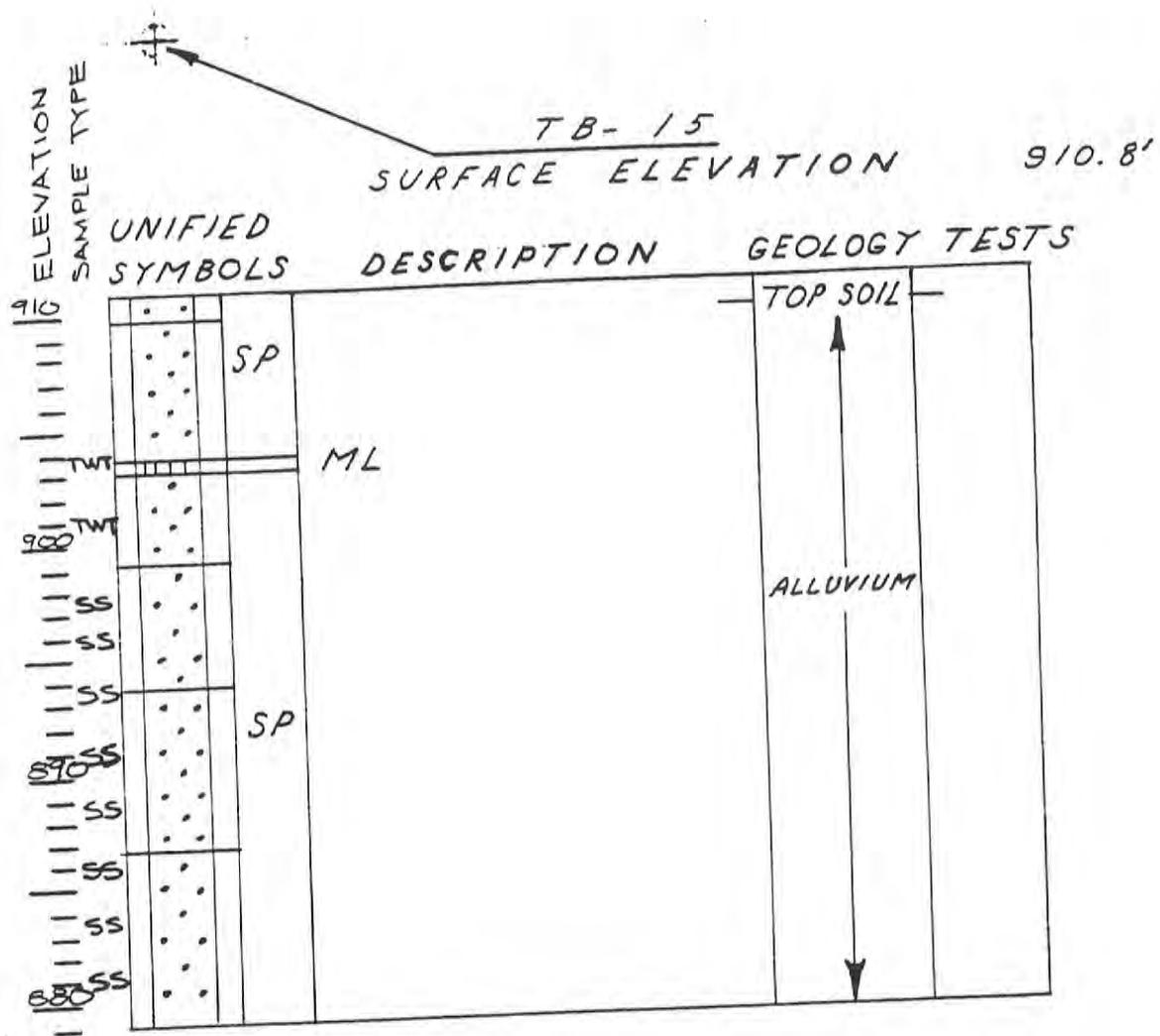
Seven Mile Creek Landfill
Sector 1 Feasibility Report—1976
Plan Sheets 2 and 3

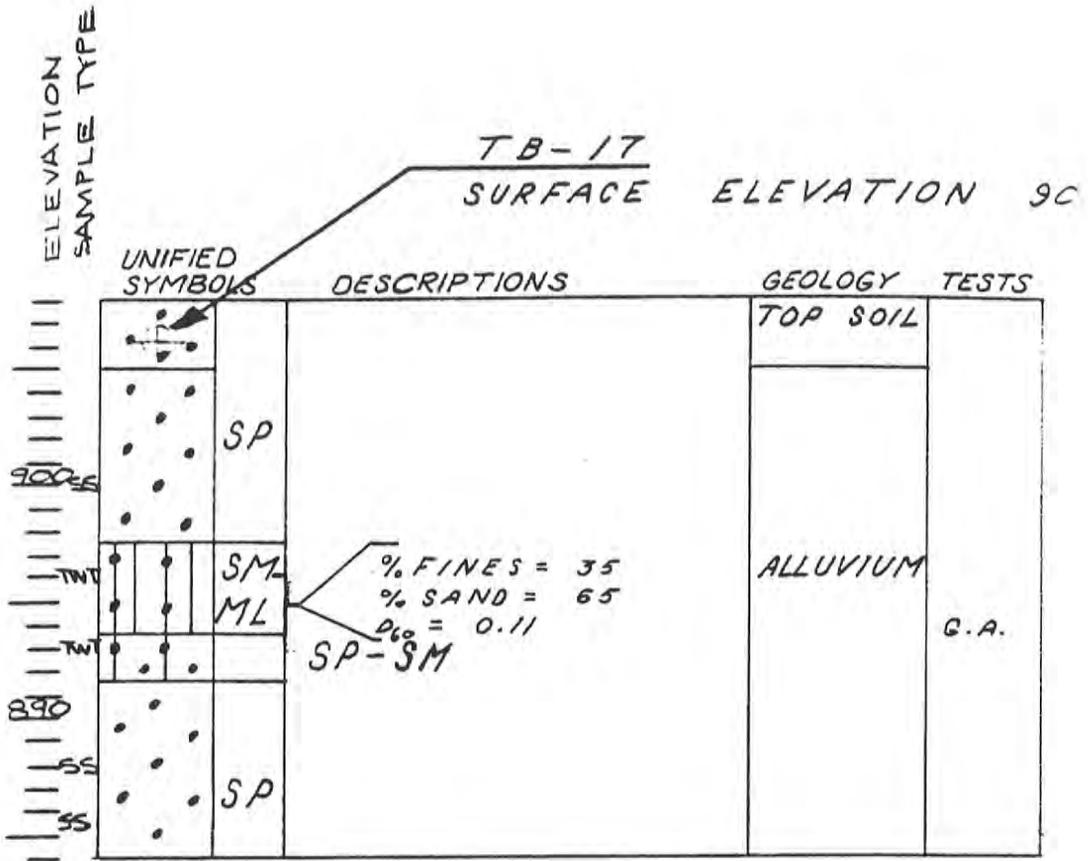


Seven Mile Creek Landfill
Sector 1 Feasibility Report—1976
Plan Sheets 2 and 3

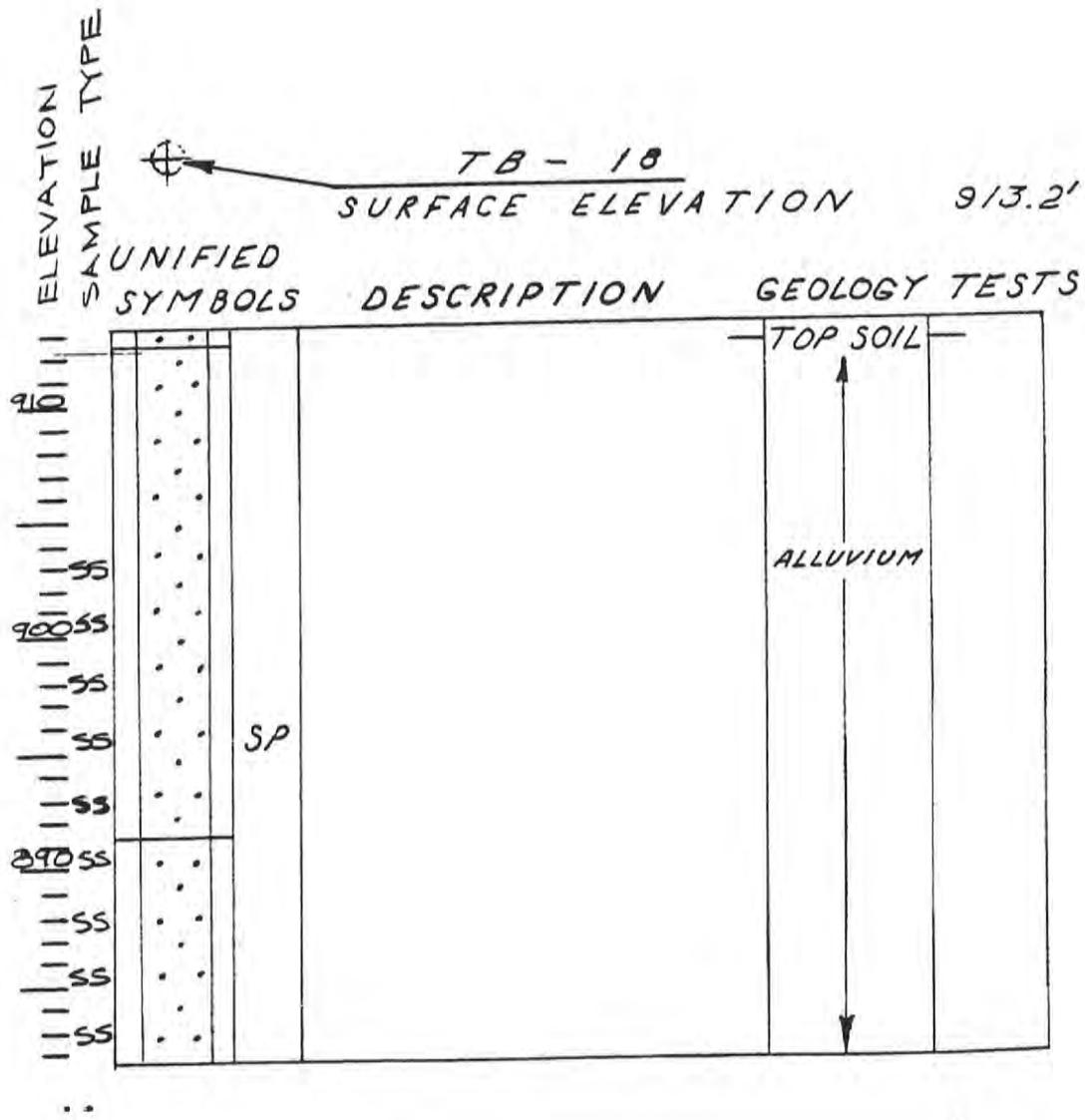


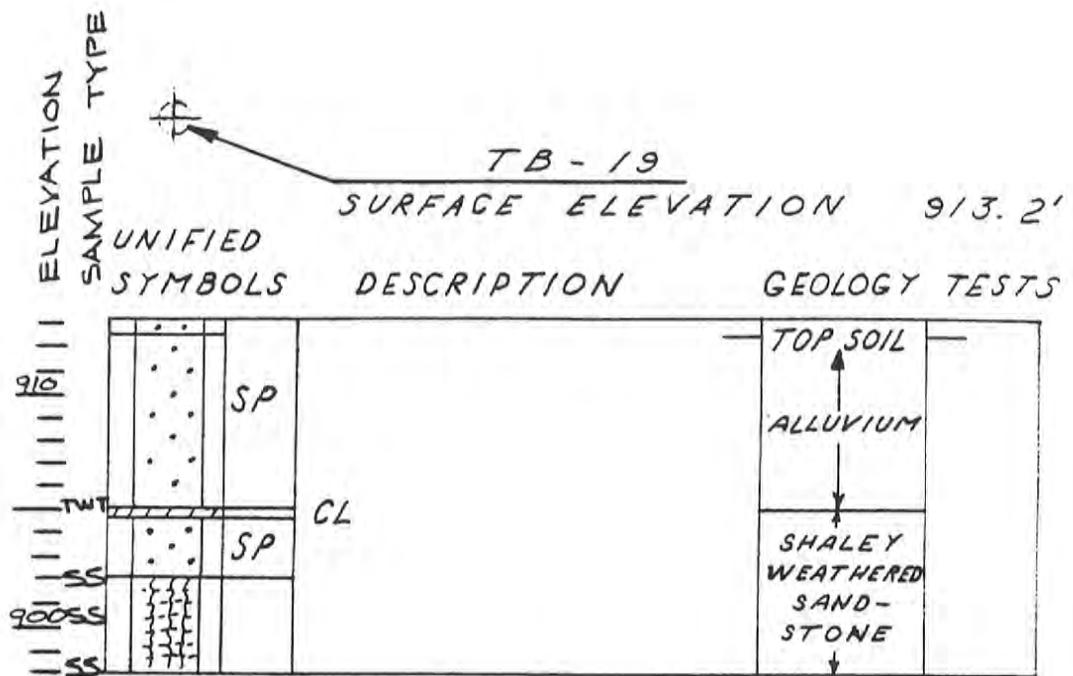
Seven Mile Creek Landfill
Sector 1 Feasibility Report—1976
Plan Sheets 2 and 3





Seven Mile Creek Landfill
Sector 1 Feasibility Report—1976
Plan Sheets 2 and 3





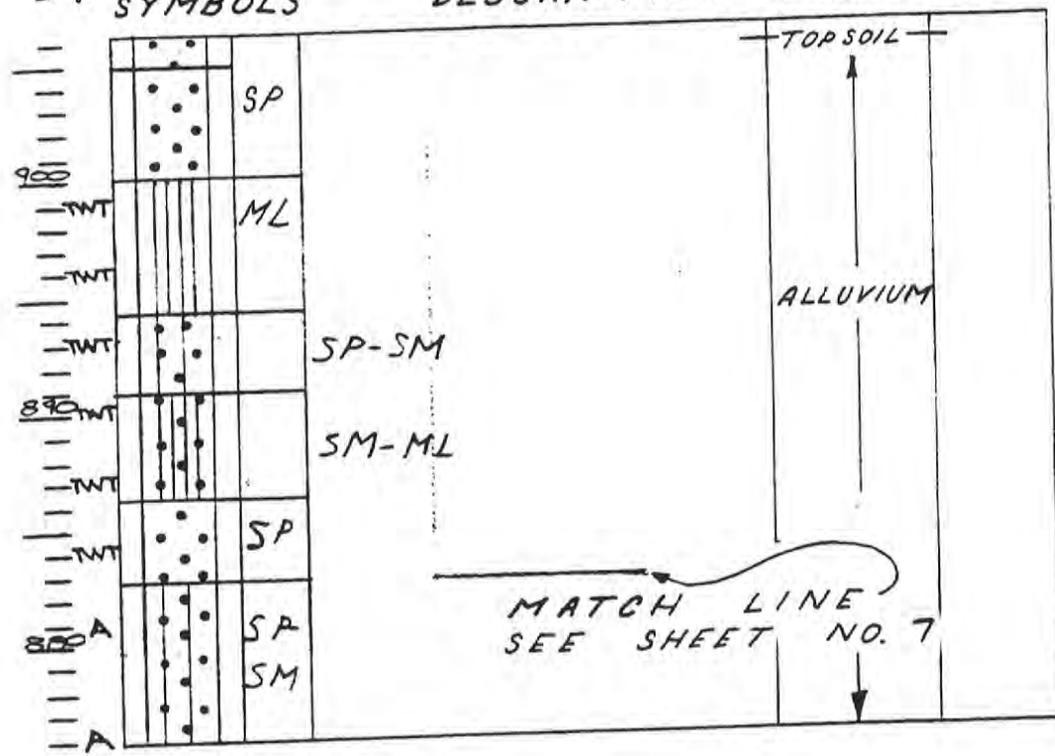
Seven Mile Creek Landfill
 Sector 1 Feasibility Report—1976
 Plan Sheets 2 and 3

ELEVATION
SAMPLE TYPE

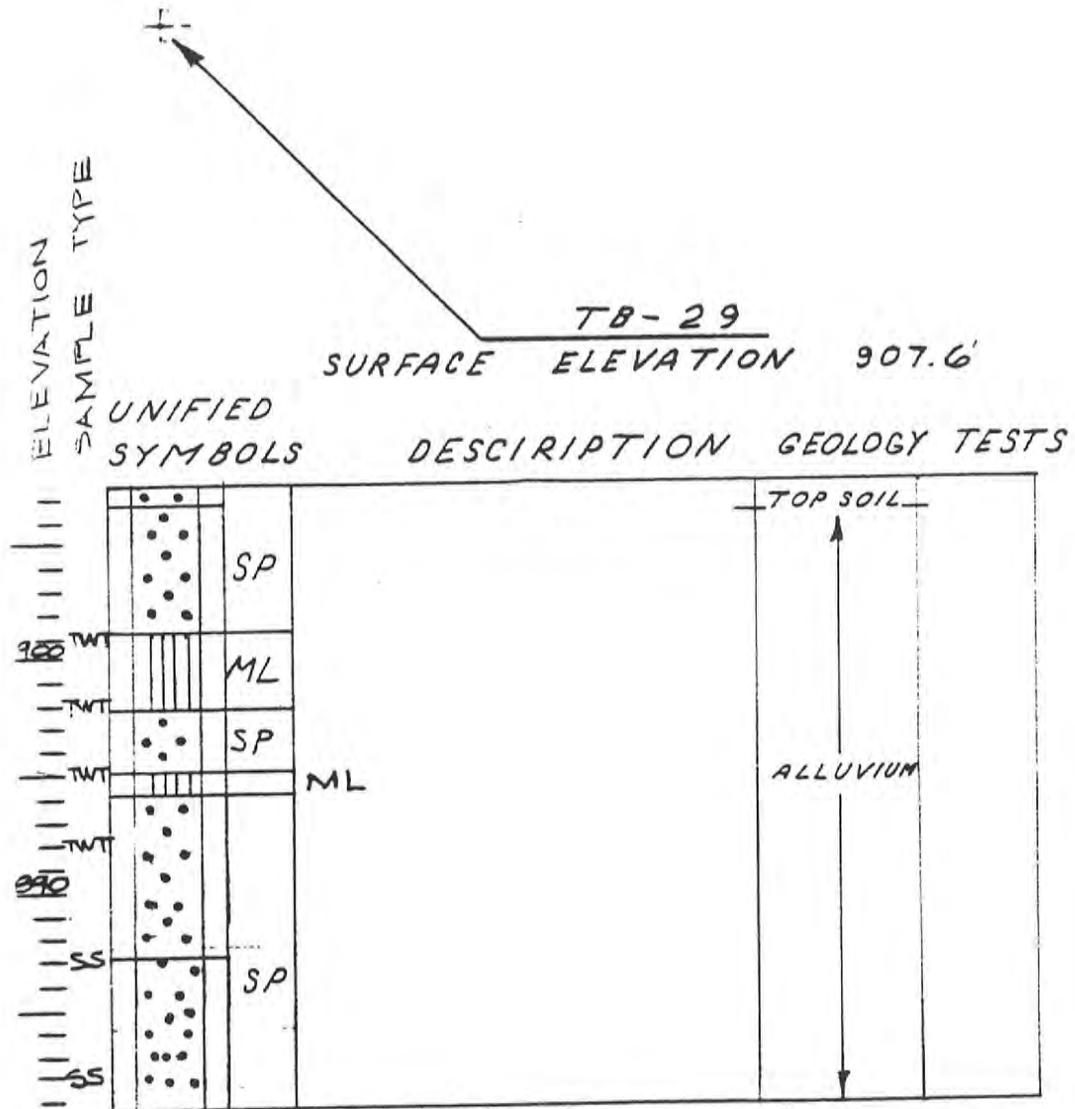
TB-28
SURFACE ELEVATION 906.2'

UNIFIED
SYMBOLS

DESCRIPTION GEOLOGY TESTS



Seven Mile Creek Landfill
Sector 1 Feasibility Report—1976
Plan Sheets 2 and 3



Seven Mile Creek Landfill
Sector 1 Feasibility Report—1976
Plan Sheets 2 and 3

BORING NO. TB-30
 SURFACE ELEV. 903.0 FT.



SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE	UNIFIED CLASSIFICATION	POCKET PEN READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					Topsoil 0.3						
					Sand, Dk. Brn. M w/so silt		SM				Hollow Stem Auger
1	13 10	13	23 R 1.5'	X	Sand, Lt. Brn., C-F, mottled	M	SM				
2	7 15	13	28 R 1.5'	X	Sand, tan, C-F, mottled w/little silt	M	SP			10	
3	10 14	13	27 R 1.5'	X	Sand, Brn., C-F, mottled	M	SP				
4	13 25	18	43 R 1.5'	X	Sand, Brn., F-M, -/little silt	M	SP- SM			20	
5	19 26	25	61 R 1.5'	X	Sand, tan, F-M, mottled, tr. silt.	M	SP				
6	13 23	22	45 R 1.5'	X					Alluvium	30	
7	13 17	18	35 R 1.5'	X							
8	18 30	30	60 R 1.5'	X						40	
9	20 26	28	54 R 1.5'	X	Sand, tan, C-F	M	SP				
10	13 32	18	50 R 1.5'	X	Sand, Lt. Brn. C-F	M	SP			50	
					E.O.B. 51.5'						

— KEY —

C = ROCK CORE
 A = AUGER SAMPLE
 X = SPLIT SPOON
 S = SHELBY TUBE
 =
 =

PROJECT Seven Mile L.F
 DATE(S) DRILLED 4-15-85
 LOCATION 18+00 N, 2+45 E
 GROUNDWATER: FT. BELOW GS. AT ELEV. OF
 DRILLERS: T.K. for JOB NO. 4731.00
W.T.D. DATE

BORING NO. TB-31
 SURFACE ELEV. 903.0 FT.



SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. -FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					Topsoil 0.3'						
1	5 4	5	9 R 1.0	X	Silty Sand, Brn., M-F, trc. gravel w/zones of mottled Brn. Coarse Silt (ML)	D	SM			10	Hollow Stem Auger
2	4 8	6	14 R 1.1	X							
3	7 13	7	20 R 1.2	X	Sand, yel-brn., M-F, w/little silt trc. gravel	D	SP- SM		Alluvium	20	
4	8 17	11	28 R 1.1	X		"	"				
5	12 9	7	16 R 1.0	X	Sand, yel-brn., M-F, w/some Brn. Coarse Silt	M	SM			30	
6	8 10	11	21 R 1.1	X	Sand, yel-brn., C-F, trc. silt, trc. gravel	W	SP				
7											
8	100/2	100	37.0 R 0.2	X	Sand, yel-brn., M-F, w/trc. silt, w/so weathered Sandstone. Drilled rough 40.0 E.O.B. 40.2'	W	SP		Residual	40	
											50
										60	

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT Seven Mile L.F
 DATE(S) DRILLED 4-15-85
 LOCATION 16+87N, 15+95E
 GROUNDWATER: 31.3 FT. BELOW GS. AT ELEV. OF 871.7 from drilling log
 DRILLERS: M.P. for JOB NO. 4731.00
W.T.D. DATE _____

BORING NO. TB-32
SURFACE ELEV. 911.0 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE	UNIFIED CLASSIFICATION	POCKET PEN READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.	
	6"	6"	per ft									
					Topsoil 0.5'							
					Sand, Brn., M, w/ yellow seams		SP		Alluvium		Hollow Stem Auger	
1	7	7	13	X	Sand, Lt. Brn., M, w/ little silt	M	SP-SM					
					Sand Brn., M, w/ trc. clay				Alluvium		Revised	
2	15	23	44	X	Sand, Brn., M, w/ varred silt seams	M	SP-SM					
	21		R 1.5'		Sand, white, C-F, w/ Brn. Rust seams	M	SP					
					Sand, Brn., w/ so. clay	M	SM		Residual			
3	6	46	100	X	Sand, white, C-F, w/ Brn. Rust seams ↑	W	SP					
	54		R-1.1'		Sand, Rt. Brn. C-F, sandstone	W	SP					
4	100	6	100	X	Sand, Lt. Brn. C-F, w/ mottled rust brown seams	W	SP			20		
			R.O.6'									
5	100	5	100	X	E.O.B. 25.6'							
			R.O.5'									

— KEY —

C = ROCK CORE
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X = SPLIT SPOON
S = SHELBY TUBE
=

PROJECT Seven Mile L.F.
DATE(S) DRILLED 4-15-85
LOCATION 20+42 N, 15+44 E
GROUNDWATER: 9.6 FT. BELOW GS. AT ELEV. OF 901.4
DRILLERS: T.K. for **JOB NO.** 4731.00
W.T. D. **DATE** _____

BORING NO. TB-33
 SURFACE ELEV. 910.2 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")		SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE	UNIFIED CLASSIFICATION	POCKET PEN READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6" per ft								
				Topsoil 0.5'						
				Silty Sand, Brn., C-F						
1	5 13	10	23 R1.5	X Sand, Brn, C-F, w/little silt Sand, Brn, F, w/little silt	M M	SP-SM SM				
2	7 16	13	29 R1.5	X Silty Sand, Brn, F, 6" seam Sand, Brn, M, w/iso silt	M M	SM SM			10	
3	7 23	14	37 R0.0	Y Sand, Brn, C-F, w/little silt, fine gray weathered SS (m-cl)	W	SP-SM				
4	100/1		100 R0.1	X Sandstone, Brn. C-F, w/trc. silt	M	SP			20	
5	100/1		100 R0.1	X Sandstone, Rust Brn., C-F	W	SP				
6	100/1		100 R0.1	X As above, w/trc. silt	W	SP			30	
7	100/1		100 R0.1	X Sandstone, white, F.	W	SP				
8	100/0		100 R0.0	X E.O.B. 40.0'					40	

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- S = SHELBY TUBE
- =
- =

PROJECT Seven Mile L.F
 DATE(S) DRILLED 4-15-85
 LOCATION 21+39 N, 17+54 E
 GROUNDWATER: 7.5 FT. BELOW GS. AT ELEV. OF 902.7
 DRILLERS: T.K. for JOB NO. 4731.00
W.T.D. DATE _____

BORING NO. TB-34
 SURFACE ELEV. 907.4 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					Topsoil 0.7'						
					Sand, Brn. Dk., M-F, w/so. silt		SM				
1	8 10	9	19 R 1.5'	X	Sand, Brn., w/some silt	M	SM				
					Silty Sand, drk. Brn., M, w/organics	M	SM			10	
2	8 21	15	36 R 1.5'	X	Sand, Lt. Brn, F, mottled,	M	SP				
3	10 18	13	31 R 1.5'	X	Sand, Lt. Brn. F, w/little silt	M	SP- SM				
4	11 21	18	39 R 1.5'	X	Sand, tan, F-M	M	SP		Alluvium	20	
5	10 16	18	34 R 1.5'	X	Sand, tan, F-M 2.0" silt seam, Dk. Brn (ML)	M	SP		Alluvium		
6	11 18	16	34 R 1.5'	X	Sand, Lt. Brn., C-F	M	SP			30	
7	14 19	17	36 R 1.5'	X		↓	↓				
8	18 20	21	41 R 1.5'	X	Sand, Lt. Brn., C-F, mottled	W	SP			40	
9	18 25	20	45 R-	X		↓	↓				
10	22 23	24	47 R-	X	Sand, yel-brn, m-F, w/so. silt E.O.B. 51.5'	W	SM			50	
										60	

— KEY —
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 S = SHELBY TUBE
 =
 =

PROJECT Seven Mile L.F
 DATE(S) DRILLED 4-16-85
 LOCATION 24+71 N, 8+79E
 GROUNDWATER: FT. BELOW GS. AT ELEV. OF
 DRILLERS: T.K. for JOB NO. 4731.00
W.T.O. DATE

BORING NO. TB-35
SURFACE ELEV. 909.8 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFCATN	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6" per ft.									
					Topsoil 0.4'						
1	6 10	11	21 R1.2'	X	Sand, Rd-Brn., M-F, w/a little silt trc. gravel.	M	SP- SM				Hollow Stem Auger
2	7 12	11	23 R1.2	X	Sand, Brn.-yellow-Brn., F-M, Mottled, w/a little silt	M/W	SP- SM			10	
3	6 14	10	24 R1.1	X	Thin mottled silt seams between 14.5' - 15.5' (ML)	M	SP- SM				
4	7 10	9	19 R1.2	X	Sand, yel-brn., F, w/trc. silt, trc. gravel, and occasional fine S.S. frags.	D	SP			20	
5	12 17	13	30 R1.1	X							
6	14 23	19	42 R1.2	X						30	
7	7 14	10	24 R1.2	X							
8	1 1	2	3 R1.1	X	Sandy Silt, Brn., F-VF, mottled, w/few micagr.	W				40	
9	100	4	100 R0.4	X	Sandstone, yel-brn., w/thin layers of Grn/Gry silt (ml)	W	SP				
10	100	5	100 R0.5	X	E.O.B. 50.5'	W	SP			50	

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT Seven Mile L.F
 DATE(S) DRILLED 4-12-85
 LOCATION 24+03 N, 10+74 E
 GROUNDWATER: 38.3 FT. BELOW GS. AT ELEV. OF 871.5
 DRILLERS: M.P. for JOB NO. 4731.00
W.T.D. DATE _____

BORING NO. TB-36
SURFACE ELEV. 911.6 **FT.**

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					Topsoil 0.4'						
							SP				
1	8 12	11	23 R1.2	X	Sand, Brn., C-F, w/trc. silt trc. gravel.	D	SP		↑ Alluvium		Hollow Stem Auger
2	7 12	12	24 1.1	X	Sand, Brn., F, w/A little silt	W	SP-SM		↓	10	
3	100	4	100 R0.4	X	Sand, yel-white, M-F, w/sandstone fragmented to single grains and hard chips.	D	SP		← Residual		
4	100	0	100 R-0.0		HSA Refusal E.O.B. 19.5'				←	20	
										30	
										40	
										50	
										60	

- KEY -

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- S = SHELBY TUBE
- =
- =

PROJECT Seven Mile L.F
DATE(S) DRILLED 4-12-85
LOCATION 24+02 N, 13+40 E
GROUNDWATER: FT. BELOW GS. AT ELEV. OF
DRILLERS: M.P. for **JOB NO.** 4731.00
W.T.D. **DATE**

BORING NO. TB-37
SURFACE ELEV. 911.2 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					Top soil 1.4'		SM		Alluvium		HOLLOW STEM AUGER
					Sand, yel-brn, M-F, w/some brn. mottled silt.		SM				
1	5 10	7	17 R1.2	X	Sand, Gry-Brn., M-F, w/so silt trc. gravel, mottled	M/W	SM		Residual		
2	4 3	2	5 R1.2	X	Sand, yel-Brn, M-F, w/trc. of silt bedded w/occasional 1-2" layers of Brn-Olive clay (CL) and Brn. C S:4 (ML)	W	SP				
3		100/.8	100 R0.5	X						20	
4		100/.3	100 R0.3	X	Drilled Rough 22.0'-23.0'						
5		100/.3	100 R0.3	X	Sand, brn, F, w/c silt	D	SM				
6		100/.4	100 R0.4	X		W	SM			30	
7		100/.4	100 R0.4	X	Weathered Sandstone, yel-brn., single grain & chips. E.O.B. 35.4'	W	SP			40	

— KEY —
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 A = AUGER SAMPLE
 X = SPLIT SPOON
 S = SHELBY TUBE
 =
 =

PROJECT SEVEN MILE L.F.
DATE(S) DRILLED 4-11-85
LOCATION 24+00 N, 18+76 E
GROUNDWATER: 24 FT. BELOW GS. AT ELEV. OF 887.2
DRILLERS: M.P. for **JOB NO.** 4731.00
W.T.D **DATE** _____

BORING NO. TB-38
 SURFACE ELEV. 912.6 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					Topsoil 0.3'						
1	7 11	5	16 R 1.2	X	Sand, Brn.-yel-brn., M-F, w/trc. silt,	M	SP SP				
2	10 13	11	24 R 1.1	X		D	SP			10	
3	11 12	13	25 R 1.2	X	Sand, yel-brn., M-F, w/trc. silt trc./gravel	D	SP				
4	8 18	16	34 R 1.2	X					Alluvium	20	
5	7 13	14	27 R 1.2	X	Mottled - As above						
6	9 19	17	36 R 1.1	X	Mottled - A.A.					30	
7	13 23	21	44 R 1.0	X	Mottled - A.A.	M/w					
8	100/18		100 R 0.8 ^v	X	Weathered Sandstone	W.				40	
9	100/13		100 R 0.3	X	Sand, yel-brn., M.F., w/trc. silt, and sandstone chips. Note: Drills Rough 420-50.0	W	SP		Residuum		
10	100/12		100 R 0.2	X	E.O.B. 50.2					50	

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT Seven Mile L.F
 DATE(S) DRILLED 4-11-85
 LOCATION 26+01 N, 14+35 E
 GROUNDWATER: 36.5 FT. BELOW GS. AT ELEV. OF 876.1
 DRILLERS: M.P. for JOB NO. 4731.00
W.T.O. DATE _____

BORING NO. TB-40
 SURFACE ELEV. 913.0 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE	UNIFIED CLASSIFICATION	POCKET PEN READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					Topsoil 0.3'				↑		
1	A 7	7	14 R1.2	X	Sand, yel-brn., C-F, w/so silt	M	SM				
2	6 10	9	19 R1.2	X	Sand, rd. brn., M-F, w/A Little silt trc. gravel.	D	SP- SM			10	
3	10 13	10	23 R1.1	X	Sand, yel-brn., M-F, w/so silt trc. gravel.	D	SM				
4	19 24	23	47 R1.2	X	Sand, yel-brn., M-F, w/trc. silt trc. gravel	D	SP			20	
5	12 23	18	41 R1.2	Y					Alluvium		
6	14 18	17	35 R1.2	Y						30	
7	21 23	20	43 R1.2	X							
8	11 16	13	29 R1.1	X	w/ Few Sandstone Frags.	W	SP			40	
9	8 18	11	29 R1.2	X	w/ Few Mica Grains E.O.B. 46.5'						

— KEY —

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- S = SHELBY TUBE
- =
- =

PROJECT Seven Mile L.F.
 DATE(S) DRILLED 4-12-85
 LOCATION 29+36 N, 12+99 E
 GROUNDWATER: 38.5 FT. BELOW GS. AT ELEV. OF 874.5
 DRILLERS: M.P. for JOB NO. 4731.00
W.T.O DATE _____

BORING NO. TB-41
SURFACE ELEV. 917.8 **FT.**

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.	
	6"	6"	per ft.									
					Topsoil 0.4'							
1	5 5	7	12 R 1.1	X	Sand, Brn., C-F, w/ Trc. silt trc. gravel	M	SP		Alluvium ↑		HOLLOW STEM AUGER	
2	10 7	6	13 R 1.0	X	Sandy, yel-brn., M-F, w/so C, Brn silt, Trc. gravel. Note: Silt on Tip of Spoon.	M	SM			10		
3	9 27	7	34 R 1.2	X	Sandy, yellow, Brn, F	D	SP					
4	4 6	6	12 R 1.2	X	From 21 to 22', Bedded Grn. Silt, w/ clay (ML-cl) and Red clay, few ss. pebbles					20		
5	100/.2		100 R 0.2	X	Sand, white to yellow, F, w/ occasional lenses of Grn. silt w/ clay (ML-cl) Beg. @ 22.5, weathered S.S.	D	SP		Residual ↓		↓	
6	100/.4		100 R 0.4	X								30
7	100/.4		100 R 0.4	X								
8	100/.2		100 R 0.2	X								40
					E.O.B. 40.2'							
										50		
										60		

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT Seven Mile L.F.
 DATE(S) DRILLED 4-11-85
 LOCATION 28+93 N, 17+58 E
 GROUNDWATER: FT. BELOW GS. AT ELEV. OF N/E.
 DRILLERS: M.P. for JOB NO. 4731.00
W.T.D. DATE

BORING NO. TB-42
SURFACE ELEV. 910.3 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
											HOLLOW STEM AUGER
					Cobbles @ 12-13'					10	
1	10	15	33	X	Sand, brn., C-F, w/ gravel & tra. silt. Gravel is dark f. grain GP-SP	M	GA SP				
2	12	15	33	X	Gravel & Cobble, well rounded, seam, w/ silt & sand, brn-vd.	M	GP			20	
					Sample attempted, spoon bounced, no penetration						Tri-cone & H ₂ O
3					E.O.B. 31.5' Sand, Brn., C-F, f. sand, w/ tra. silt. 30-30.5', 1 piece of cobble @ 31.3, weath. S.S. bottom 2"		SP			30	
					Extraction Auger return sample @ 18' contains 1 chert, & several S.S. pebbles, one pink qtzite (it and one 1/2"-3/4" fractured pure qtz. pebble.					40	
										50	
										60	

— KEY —

- C = ROCK CORE
- A = AUGER SAMPLE
- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT Seven Mile L.F.
 DATE(S) DRILLED 4-17-85
 LOCATION 22+00 N, 10+96 E.
 GROUNDWATER: FT. BELOW GS. AT ELEV. OF NE
 DRILLERS: TK for JOB NO. 4731.00
W.T.D. DATE

BORING NO. TB-43
SURFACE ELEV. 906.4 **FT.**

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					Topsoil 0.3'						
1	5 8	5	13 R1.0	X	Sand, Rd.-Brn., F, w/silt & sticky clay Note 2" of Gray silt on spoon	M	SM-SC		Alluvium		HOLLOW STEM AUGER
2	8 11	10	21 R1.1	X	Sand, yel.-Brn., M-F, w/trc silt	D	SP			10	
3	8 17	11	28 R1.1	X	Sand, Lt. Brn., F, w/silt lumps, brn. giving appearance of mottling	D	SP-SM				
4	10 13	12	25 R1.2	Y	As Above, silt lumps less common.					20	
5	100/2		100 R0.2	X	Sand, Rd. Brn., C-F, w/grul, w/cobble, occas. boulders, Drilled Rough 25.0' E.O.B @ 25.2' (Tricone Refusal)	D	GP-SP				
					Sandstone, Lt. Brn., white, friable, qtz. grains, & wht, v. weak cement.				Residuum	30	
										40	
										50	
										60	

— KEY —

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- S = SHELBY TUBE
- =
- =

PROJECT Seven Mile L.F
DATE(S) DRILLED 5-8-85
LOCATION 20+25 N, B+B3E
GROUNDWATER: FT. BELOW GS. AT ELEV. OF NE
DRILLERS: M.P. for **JOB NO.** 4731.00
W.T.D **DATE**

BORING NO. TB-43A
SURFACE ELEV. 906.4 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")		SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
	6"	6" per ft.								
				Topsoil 0.2'						
				Free Drilling 0.0' - 22.0'					10	
				Sand, Rd-Ben., w/ Grul, w/ cobble. Occass. Bldr.					20	
				Note: Drilled rough					30	
				HSA Refusal @ 26.0'					40	
				Tricone Refusal @ 27.0'					50	
				E.O.B 27.0'					60	



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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT Seven Mile L.F.
 DATE(S) DRILLED 5-8-85
 LOCATION NEAR TB-43
 GROUNDWATER: FT. BELOW GS. AT ELEV. OF
 DRILLERS: M.P. JOB NO. 4731.00
for W.T.D. DATE

BORING NO. TB-44
 SURFACE ELEV. 906.0 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
1	8 10	7	17 R.1.1	X	Sand, Rd-Brn, C-F, w/so silt	D	SM		↑ Alluvium ↓ Residual	0	HOLLOW STEM AUGER
2	5 8	7	15 R.1.0	X	Note: Grey Silt Tip of spoon	M	SM			10	
3	9 14	13	27 R.1.1	X	Sand, yel-brn., C-F, w/so silt	D	SM			20	
4	7 25	14	39 R.1.2	X						30	
5	22 31	33	64 R.9	X	Silty Sand, Brn. → yel-brn, clean ±	D	SP-SM			40	
6	100/1.0		100 R0.7	X	As Above w/ s.s. Frags. Mottled					50	
7	100/0.8		100 R0.8	X	Sand, M-F, mottled, w/s.s. Frags.	M/W	SP			60	
8	100/1.0		100 R0.5	X	Sand, Brn, M-F, w/so silt	W	SM			70	
9	100/0.5		100 R0.4	X	A.A.					80	
10	100/0		100 R0.0		E.O.B. 50.0'					90	

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT Seven Mile L.F.
 DATE(S) DRILLED 5-9-85
 LOCATION 16+11.6W, 12+37.4E
 GROUNDWATER: 35.2 FT BELOW GS. AT ELEV. OF 870.8
 DRILLERS: M.P. for JOB NO. 473100
W.T.D. DATE _____

BORING NO. TB-45
SURFACE ELEV. 896.4 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					Sand, Rd-Brn., M-F, w/so silt				↑		HOLLOW STEM AUGER
1	4 5	7	12 R1.0	X		D	SM				
2	7 13	9	22 R1.1	X	Sand, Lt.-Brn., C-F, w/a little silt	D	SP-SM			10	
3	10 14	9	23 R1.2	X	As Above						
4	10 19	18	37 R1.0	X	As Above, Brn.				Alluvium	20	
5	15 23	17	40 R1.0	X	Sand, Brn., C-F, w/Trc. silt mottled.	D	SP				
6	12 16	17	33 R1.1	X	Sand, Tan-Lt. Brn, M-F, w/so silt mottled	M	SM			30	
7	14 21	23	44 R1.0	X	Sand, Lt. Brn. C-M,	W	SP				
8	100/1.0		100 R0.8	X	Sand, Brn, C-F, w/a little silt S.S. Frags.	W	SP-SM			40	
9	100/.8		100 R0.5	X	E.O.B. 45.8				Residual	50	
										60	

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- S = SHELBY TUBE
- =
- =

PROJECT Seven Miles L.F
 DATE(S) DRILLED 5-9-85
 LOCATION 15+68.9 W, 6+98.4 E
 GROUNDWATER: 34.7 FT. BELOW GS. AT ELEV. OF 861.7
 DRILLERS: M.P. for JOB NO. 4731.00
W.T.D. DATE _____

96
85
41

BORING NO. TB 46
 SURFACE ELEV. 906.48 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					SAND, DK BRN, M-F, W/S ORG. W. SOME SILT	M	SP-SM				
1	7 10	8	18 R1.0	SS	SAND, BRN, M-F W/SOME SILT	M	SP-SM			10-5	
2	7 19	12	31 R1.1	SS	SAND, LT BRN, F-M, TR SILT	M	SP		Aluminum	20-10	
3	10 20	15	25 R1.0	SS		M	SP		Aluminum	30-15	
4	100 0.9	0.9	0.9 R1.1		20.5' SANDSTONE, white WITH THIN BRN AND STRONG BRN STREAKS. M-F EOB 20.5'	M			Aluminum	40-20	
										50-25	
										60-30	

Note: Core in 2' 17.7'

— KEY —

- C = ROCK CORE
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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT SEYMOUR L.F
 DATE(S) DRILLED 8-20-85
 LOCATION 4+67.9N & 14+85.0E
 GROUNDWATER: NA FT. BELOW GS. AT ELEV. OF _____
 DRILLERS: Larry Erdman JOB NO. _____
Paul Dickerson DATE _____

BR. 8868

BORING NO. TB 47
 SURFACE ELEV. 904.30 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOIST GRANIC SYMBOL	UNIFIED CLASSIFCATH	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					6" SAND, DK BRN, F-M, TR SILT SOME ORG.	M					
1	5 12	9	21 R14	SS	SAND, LT BRN, F-VF, TR SILT 2" BR IRON STAINED SD	M	SP			5	
2	9 16	12	28 R16	SS	SAND, LT BRN, M-C	M	SP			10	
					14'						
3	8 14	13	27 R18	SS	SAND, LT BRN, F, LAYERED WITH THIN SILT BANDS	M	SP- SM			15	
					18'						
4	14 25	18	43 R12	SS	SAND, DK BRN, F LAYERED W SILT SEAMS SAND, LT BRN, F, W SILT SEAMS	M	SP- SM			20	
5	11 36	19	55 R15	SS		M	SP- SM			25	
					2" RED CLAY w/some in-c sd.						
6	12 11	15	26 R18	SS	SAND, BRN, M, W/SOME SILT TRACE CLAY	M	SP- SM			30	

ALLUVIUM

— KEY —

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- S = SHELBY TUBE
- =
- =

PROJECT SEYMOUR L.F.
 DATE(S) DRILLED Begin 8-15-85 Completed 8-16-85
 LOCATION 5+91.0 N & 12+42.0 E
 GROUNDWATER: 39.7 FT BELOW GS. AT ELEV. OF 864.60 BA. NE
 DRILLERS: T Keasy JOB NO. _____
 WIS T.D. D Thacker DATE _____

BORING NO. TB 47
 SURFACE ELEV. _____ FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOIST GRAPHIC SYMBOL	UNIFIED CLASSIFCATN	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					2" CLAY RD, WITH M-C SAND SAND, BRN, M, W SOME SILT TR CLAY SAND, BRN, F; MOTTLED				ALLUVIUM		
7	18 15	22	37 R18	SS	2" SAND, BRN, M-C / PINK SILT BANDS SILTY SAND, BRN, FEW SANDSTONE CHIPS - GRVLS	M	SM			38.5	39.7
8	4 6	5	11 R18	SS		W	SM		RESIDUAL	38.5 38.0	39.7
9	15 35	16	51 R16	SS	45.5' 6" SAND, RD-BRN, M-FW/S CLAY, SILT LAYERED SANDSTONE RD-BRN, live, white	W				45.5 38.0	39.7
10	22 24	17	41 R18		BRN SANDY / SILTY RESIDUUM WHITE SANDSTONE E 05 51.5'	W				50 40-20	39.7
										50 40-25	
										50 40-30	

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE
- " =
- " =

PROJECT SEYMOUR L.F. (Sheet 2)
 DATE(S) DRILLED _____
 LOCATION _____
 GROUNDWATER: _____ FT. BELOW GS. AT ELEV. OF _____
 DRILLERS: _____ JOB NO. _____
 _____ DATE _____

BORING NO. TB 48
 SURFACE ELEV. 896.69 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFCATN	POCKET PEN READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					SAND, DK BRN, F, W/S SILT		SM				
1	4 12	6	18 R1.2	SS	SAND, BRN, F-M, WITH LAYERS OF C SILT	M	S			15-5	
2	7 12	10	22 R1.0	SS	SAND, LT BRN, F-M, TR SILT	M	SP			20-10	
3	8 19	13	32	SS	2" LAYER SILT, BRN, C, AT 16'	M	SMI			30-15	
4	12 17	13	30 R1.3	SS	SAND, LT BRN, PD BRN, F, WITH FEW THIN LAYERS OF BRN SAND SILT	M	SM			40-20	
5	11 20	15	35 R1.2	SS		M	SM			50-25	
6	15 24	21	45 R1.3	SS		M	SM			60-30	

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE
- = H.S.A

PROJECT SEYMOUR L.F
 DATE(S) DRILLED 8-20-85
 LOCATION B+95.0 N + 12+5B.4 E
 GROUNDWATER: 46.8 FT. BELOW GS. AT ELEV. OF 849.89 BR. NE
 DRILLERS: Larry Erdman JOB NO. _____
Paul Dickerson DATE _____

GW

BORING NO. TB 48 (Sheet 2)
 SURFACE ELEV. 896.69 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
7	9 12	9	21 R12	SS	SAID, BRN-W, C-F w few FINE SANDSTONE CHIPS, TR SILT.	W	SP	ALLUVIUM WITH SOME SANDSTONE RESIDUALS		30	
8	16 23	21	44 P.15	SS		W	SP		40		
9	8 6	10	16 R15	SS	▽ 468'	W	SP		45		
10	7 9	8	17 R15	SS	SILTY SAND, REDDISH BRN TO BRN-C-F, WITH few FINE SANDSTONE CHIPS, few pebbles 3" layer VERY DK GRAY COARSE SILT AND ORGANIC AT 50.5' slight odor.	W	SM		50		
					E O B 50'					40-20	
										50-25	
										60-30	
					Depth to CAVE-IN 28.6'						

— KEY —

- C = ROCK CORE
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- X = SPLIT SPOON
- S = SHELBY TUBE
- = HSP

PROJECT SEYMOUR L.F.
 DATE(S) DRILLED 8-20-85
 LOCATION _____
 GROUNDWATER: _____ FT. BELOW GS. AT ELEV. OF _____
 DRILLERS: _____ JOB NO. _____
 _____ DATE _____

BORING NO. TB49

SURFACE ELEV. 904.70 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFICATION	POCKET PEN READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					6" SAND, D ^N BRN, M-F, TRACE SILT. Dry						
1	7 20	14	34 R13	SS	SAND, LT BRN M-F TR SILT	M	SP			5	5
2	8 15	13	28 R18	SS	SAND, BRN, M-F, W/TR SILT	M	SP			10	10
3	8 15	10	25 R18	SS		M	SP			15	15
4	13 20	17	37 R16	SS	SAND, LT BR ^N , F, W/ THIN SILT BANDS	M	SP-SM			20	20
5	13 23	14	37 R18	SS		M	SP			25	25
6	13 32	25	57 R18	SS		M	SP			30	30
					SOFT SANDSTONE, YEL-BR ^N IRON STREAKS						

Alluvium

— KEY —

- C = ROCK CORE
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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT SEYMOUR L.F.
 DATE(S) DRILLED 8-16-85
 LOCATION 2+27.1N & 12+29.9E
 GROUNDWATER: 40.0 FT. BELOW GS. AT ELEV. OF 864.70 BR-Sea
 DRILLERS: T. Kesy JOB NO. 4731.01
R Thalacker DATE _____

BORING NO. TR 49

SURFACE ELEV. _____ FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFICATION	POCKET PEN READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
7	20 11	10	21 R16	SS	W/PEBBLES SOFT SANDSTONE V. BRN IRON STRAINS SILTY SAND, C-F W/PEBBLES	N	SM			53	
8			180 R13	SS	(Water Table 45') WHITE, PINK STRATA SOFT SANDSTONE, M-F E O B 41.1	W	-		Residium	40-40	
										20-40	
										30-15	
										40-20	
										50-25	
										60-30	

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT SEYMOUR L.F. (Sheet 2 TP 49)
 DATE(S) DRILLED _____
 LOCATION _____
 GROUNDWATER: _____ FT. BELOW GS. AT ELEV. OF _____
 DRILLERS: _____ JOB NO. _____
 _____ DATE _____

BORING NO. TB 50
 SURFACE ELEV. 895.10 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					1.4' SAND, V. DK BRN W/S SILT	M	SM				
1	10 13	12	25 R1.2	SS	SAND, RD BRN, M-F, W/S SILT	M	SP-SM			15-5	
2	2 2	1	3 R1.1	SS	SILT, BRN, C, W/S VF SAND MOTTLED	W	ML			20-10	
3	12 26	21	47 R1.4	SS	SILT, RD BRN, C W/S VF SAND MOTTLED	W	ML			30-15	
4	9 36	16	52 R1.3	SS	SAND BRN-RD BRN, C-F, W/TR SILT ▽ 24.3'	W	SP-SM			40-20	
5	100	100	100	SS						50-25	
6	16 24	19	43 R1.3	SS						60-30	

ALLUVIUM

— KEY —

- C = ROCK CORE
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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- = NSA

PROJECT SEYMOUR L.F.
 DATE(S) DRILLED 8-20-85
 LOCATION 13 + 73.7N & 16 + 59.2E
 GROUNDWATER: 24.3 FT. BELOW GS. AT ELEV. OF 870.80 BR-NE
 DRILLERS: L. ERDMAN JOB NO. _____
 W.T.D. P. DICKENSON DATE _____

BORING NO. TB 51
 SURFACE ELEV. 902.42 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" Q.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					SAND DK BRN W/SOME SILT SOME ORGANIC		SP				
	10	11	22		SAND, BRN, F-VF W/SOME SILT	M	SM			15	5
	11		R18	SS	1" SILT BRN, TRACE VFS MOTTLED						
	8	10	24		SAND BRN, M-F	M	SP			20	10
	14		R18	SS	SAND BRN, W/SOME SILT						
	8	12	26		SAND - BRN, W/SILT	M	SM			30	15
	14		R16	SS	1" SILT SEAM M-F TRACE SD						
					18.5						
	14	18	41		SAND BRN, F, Banded with THIN SILT SEAMS	M	SM- SP			40	20
	23		R18	SS							
					25.5					50	25
			100	SS	LT BRN-White F-C SANDSTONE - WEATHERED SOFT Few chips and Fragments SS	M					
			100	SS						60	30
					E O B						

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE
- " =
- " =

PROJECT SEYMOUR L.P.
 DATE(S) DRILLED 8-15-85
 LOCATION 7+21.0N & 16+46.8E
 GROUNDWATER: NA FT. BELOW GS. AT ELEV. OF 88-576.9
 DRILLERS: WIS TEST DRILG. JOB NO. _____
T Kesy DATE _____
R Thacker

BORING NO. TB52
 SURFACE ELEV. 905.99 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOIST GRAPHIC SYMBOL	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					SAND - DK BRN, F-M TRACE SILT		SP		ALLUVIUM		
					SAND BRN, W/ some silt	M	SP				
1	6	9	19	SS	SILT W/ FINE SD Moist	M	ML				5
			RIB		SAND BRN, M, W/ some silt	M	SM				
2	9	16	40		SAND BRN, M-F				RESIDUAL	10	
	24				SAND BRN, W trace silt	M	SP				
					SAND STONE 11.5'	M.					
3			100	SS	WEATHERED SANDSTONE F-M White - LT BR E O B 15'					15	
										20	
										25	
										30	

— KEY —

- C = ROCK CORE
- A = AUGER SAMPLE
- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT SEYMOUR L.F.
 DATE(S) DRILLED 8-15-85
 LOCATION 4+11.1N E 16+47.4E
 GROUNDWATER: FT. BELOW GS. AT ELEV. OF BR-891.0
 DRILLERS: T. Kesy JOB NO.
R. Thalacker DATE

BORING NO. TB53
SURFACE ELEV. 908.00 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFICATION	POCKET PEN READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					SAND BRN, Trace silt						
1	8 18	12 R18	30 R18	SS	SAND BRN, F w/silt & TRACE of ORGANIC ▽ 8.0' likely parched	M	SP		Alluvium	5 10	5 10
2	9 35	13 R78	48 SS	SS	2" CLAY, RED 2.5" SILTY CLAY, GREEN 2.5" SAND, LT BRN-F 5" CLAY RED + SILTY CLAY, Green	M	CL ML-CL SP CL		RESIDUAL	15 30	15 30
				SS	16' SANDSTONE - WHITE LT BR	XY				40 50 60	20 25 30

— KEY —

- C = ROCK CORE
- A = AUGER SAMPLE
- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT SEYMOUR L.F.
 DATE(S) DRILLED 8-15-85
 LOCATION 0+98.4 N & 16+50.0 E
 GROUNDWATER: 8.0 FT. BELOW GS. AT ELEV. OF 900.00 BR- 892
 DRILLERS: T. Kesy JOB NO. _____
R. Thalacker DATE _____

BORING NO. TB 54
 SURFACE ELEV. 908.53 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	N.O.S. GRAPHIC SYMBOL	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					8" SAND, DK BRN, M-F. V/S OR 9 TR SILT	M	SP				
1	7 20	12	32 R.1.1	SS	SAND, BR-LT BRN, M-F, V/S / SOME SILT	D	SP-SM			15-5	
2	10 19	14	33 R.1.0	SS		M	SP-SM			20-10	
3	16 25	22	47 R.0.9	SS		M	SP		ALLUVIUM	30-15	
4	24 30	22	FC R.1.0	SS		M	SP-SM			40-20	
5	100	0.8'	100 P.O.7	SS	EOB 25' 26' SANDSTONE, WHITE TO PINK, C-F	M		175		50-25	
										60-30	

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE

= HSA

PROJECT SEYMOUR L.F
 DATE(S) DRILLED 8-20-85
 LOCATION 2+07.6 N & 15+47.6 E
 GROUNDWATER: FT. BELOW GS. AT ELEV. OF
 DRILLERS: Larry Erdman JOB NO.
Paul Dickinson DATE

BORING NO. TB-55
SURFACE ELEV. 911.03 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					Topsoil 0.5'						HSA
1	5 13	9	22 R1.0	X	Sand, Lt. Brn. F-M, w/trc. silt	M	SD			10-5	
2	6 9	7	16 R1.2	Y	Sand, Rd. Brn, F-M, w/little silt	M	SP			20-10	
3	33 36	33	69 R1.2		Brn. silt 0.2'	M	ML			30-15	
					Sandstone, wht-Rd. Brn.	M	SP				
					E.O.B. 16.2'					40-20	
										50	
										60	

— KEY —

- C = ROCK CORE
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- X = SPLIT SPOON
- S = SHELBY TUBE
- " =
- " =

PROJECT E.C. County Seven Mile L.F. (Seymour)
 DATE(S) DRILLED 3-3-86
 LOCATION 2450 N, 19790 E
 GROUNDWATER: NE FT. BELOW GS. AT ELEV. OF _____
 DRILLERS: M.P. & T.K. JOB NO. _____
for W.T.O. DATE _____

BORING NO. IB-56
 SURFACE ELEV. 895.91 FT.

AYRES
 ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					Topsoil 0.4'				▲		HSA
1	5 13	9	22 R1.0	X	Sand, Dk. Brn., M-F, w/little silt	M	SP			10-5	
2	11 13	13	26 R1.3	X	Sand, Brn., F-M, w/ some silt	M	SM			20-10	
3	11 17	14	31 R1.2	X	Sand, Rd. Brn., F-M, w/little silt (mottled)	M	SP			30-15	
4	9 10	10	20 R1.1	X	A.A. M-F	M	SP			40-20	
5	15 24	21	45 R1.1	X	Sand, Grey, F-M, w/little silt Sand, Rd, w/some silt Sand, yel.-brn., M-C	W W W	SP SM SP		Alluvium	50-25	
6	4 5	4	9 R1.0	X	Sand, Rd. Brn, M-F, w/some silt trc. gravel	W	SM			60-30	
					(Cont.)						

— KEY —

- C = ROCK CORE
- A = AUGER SAMPLE
- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT E.C. County - Seven Mile L.F (Seymour Site)

DATE(S) DRILLED 3-4-86

LOCATION 6+00 N, 20+29 E

GROUNDWATER: 25 FT BELOW GS AT ELEV. OF 870.91

DRILLERS: M.P. & T.K. JOB NO. 4731.01

for W.T.O. DATE _____

BORING NO. TB-56 (cont)
SURFACE ELEV. _____ **FT.**

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
7	1	1	2	X	Silty fine sands, Rd. Ben. trc. gravel E.O.B. 36.5'	W	ML			35	
	1		R.1.5							40	
										20	
										30	
										40	
										50	
										60	

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- S = SHELBY TUBE
- =
- =

PROJECT E.C. 7-Mile (Seymour)
 DATE(S) DRILLED 3-4-86
 LOCATION _____
 GROUNDWATER: _____ FT. BELOW G.S. AT ELEV. OF _____
 DRILLERS: _____ JOB NO. _____
 _____ DATE _____

BORING NO. TB-57
SURFACE ELEV. 906.25 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					Topsoil - 0.6' DK Brn. Sand						HSA
1	5 9	7	16 1.3	X	Sand, Rd. Brn, M-F; w/trc. silt,	M	SP			5	
2	2 6	2	8 1.1	X	Rd. Brn. Sand, M-F w/some silt	M	SM			10	
3	7 10	9	19 R.1.0	X	Sand, Lt. Brn, M-F, w/trc. silt	M	SP			15	
4	9 15	10	26 R.1.2	X	A.A.	M	SP			20	
5	16 21	14	35 R.1.2	X	A.A.	M	SP			25	
6	1 2	2	4 R.1.1	X	Gr. silt - Mt - Weathered S.S.	W W	ML SP			30	

(Cont.)

- KEY -

- C = ROCK CORE
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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT EC. County, Seven Mile LF.
 DATE(S) DRILLED 2-25
 LOCATION 1435N, 1950E
 GROUNDWATER: 31 FT. BELOW GS. AT ELEV. OF 875.25
 DRILLERS: L.E. JOB NO. _____
for W.T.A. DATE _____

BORING NO. IB-57A
SURFACE ELEV. 905.98 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					Topsoil 0.5'						HSA
					Sand, Rd. Brn, M-F w/ little silt	M	SP			5	
					Sand, Rd. Brn. F-M w/ some silt	M	SM			10	
1	7 13	11	24 R1.0	Y	color 10YR 6-4 or yellowish Brn (M) Sand, yel-brn. M-F, trc. silt (Pictures taken) (Need W.T.D. log sheet to fill in) ↓	M	SP			15	Chem Anal 57A-1
2	15 17	15 18	35 R1.1	Y						20	
3	11 15	16 19	34 R1.8	X	color 10YR 6-6 Brownish yellow (M)					25	Chem Anal 57A-3
4	3 6	3 7	13 R2.0	X	Sand Rd. Brn. M-F, w/ little silt (mottled) = 30-61.5" Silty sand, Grn Brn. F, Trc. S.S. chips.	W W	SP ML			30	
					E.O.B. 32.0' Jar sample taken as control for refuse samples						

- KEY -

- C = ROCK CORE
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- S = SHELBY TUBE
- =
- =

PROJECT EC. Seven Mile L.F. (-)
DATE(S) DRILLED 3-4-86
LOCATION 14+35 N 19+41 E
GROUNDWATER: 30 FT BELOW GS. AT ELEV. OF 876.0
DRILLERS: m.p. & tk **JOB NO.** _____
for W.T.D. **DATE** _____

BORING NO. TB-58
SURFACE ELEV. 900.95 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					Topsoil 0.5'						HSA
1	4 10	8	18 R1.3	X	Sand, Rd-Brn. C-M, w/silty seams	M	SP SM			5	
2	5 14	9	23 R1.1	X	Sand, Rd, M-C. Silt seam	M	SP SM			10	
					Sand, Tan, M-F, w/silty layers (ML)	M	SP SM				
3	4 18	5	23 R1.1	X						15	
4	10 21	15	36 R1.1	X	Sand, Tan, M-F, w/s.s. chips	M	SP			20	
5	4 11	6	17 R1.1	X	Sand, Tan, C-F,	W	SP			25	
6	1 2	1	3 R1.3	X						30	

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT EC. County Seven Mile L.F.
 DATE(S) DRILLED 2-24-86
 LOCATION 20+00 N, 19495 E
 GROUNDWATER: 24.9 FT. BELOW GS. AT ELEV. OF 876.05
 DRILLERS: LE for JOB NO. _____
W.T.D. DATE _____

BORING NO. TB-58 (CONT)
SURFACE ELEV. 900.95 FT.



SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs. - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
7	1	1	2 R1.2		Silty Sand, Grey, fine	W	ML			35	HSA
8	4 7	6	13 R1.1	y	A.A.					40	
9	3 7	5	12 R1.2	y	A.A.					45	
10	4 9	8	17 R1.0	x	A.A. E.O.B. 51.5'					50	
										55	
										60	

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT _____
 DATE(S) DRILLED _____
 LOCATION 20+00N, 19+95N
 GROUNDWATER: 29.9 FT. BELOW GS. AT ELEV. OF _____
 DRILLERS: _____ JOB NO. _____
 _____ DATE _____

BORING NO. TB-59
SURFACE ELEV. 897.28 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWSON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					Topsoil 0.9'						HSA
					Sand, Brn, M-F w/ little silt					10-5	
					Refuse						
P-14	1	8 7	7 8	15 ROB	Y Sand, Rd.-Brn, M-F w/ little silt	M	SP			20-10	57-2 10-11 Lab Area
P-15	2	8 11	9 13	24 R1.5	X color 7.5YR 5/4 M Brn (M)						
P-16	3	13 23	17 16	39 R1.6	Y color 5YR 4/6 yellowish Rd (M) Jar 5YR 5/4 Reddish Brn M in Jar	M	SP			30-15	57-3 13-14 Lab Area
P-17	4	14 11	15 8	19 R1.8	Y Sand, Rd. Brn, M-F, w/ little silt	M	SP				
P-18, 19	5	17 21	23 18	39 R1.5	X color 7.5YR 6/4 Lt Brn (M) A.A.					40-20	57-5 20-21 Lab Area
					E.O.B. 22.0'						
					* Jar samples & v.o.c.'s samples taken at this site.					50-25	
										60	

— KEY —

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- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT E.C. County Seven Mile L-F (Seymour)
 DATE(S) DRILLED 3-4-86
 LOCATION 9486N, 21406 E
 GROUNDWATER: NE FT. BELOW GS. AT ELEV. OF _____
 DRILLERS: M.P. & T.K. JOB NO. _____
for W.T.O. DATE _____

LOG ___ OF ___

BORING NO. TB-59 A -30' East of Original
SURFACE ELEV. 904.22 **FT.**

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft								
					Topsoil 0.4'						
					Rd. Brn. Sand, M-F ✓/little silt					5	
										10	
					Refuse					15	
					Sand, yel-brn. M-F, ✓/trc. silt					20	
										25	
1	14 34	23	73 R1.5	X	Sandstone, weathered, M-F, yel. brn.					30	
					E.O B-27					30	

— KEY —

- C = ROCK CORE
- A = AUGER SAMPLE
- X = SPLIT SPOON
- S = SHELBY TUBE
- " =
- " =

PROJECT E.C. Seven Mile L.F. Seymour
 DATE(S) DRILLED 3-4-86
 LOCATION 1450N, 20+87E
 GROUNDWATER: FT. BELOW GS. AT ELEV. OF
 DRILLERS: M.P. + T.K. JOB NO.
for W.T.D. DATE

BORING NO. TB-60
SURFACE ELEV. 897.51 FT.

AYRES
ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs - 2" O.D. - FALLING 30")			SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATION	POCKET PEN READING (TSF)	GEOLOGY	DEPTH	ELEV.	
	6"	6"	per ft.									
					Topsoil 0.5'						HSA.	
					Sand, Rd. Brn., M-F w/ little silt					5		
					Refuse ↑ ↓					10		
											20	
											30	
											40	
P-6	1	15 20	17 17	37 R.1.5	Y	color Lt yellowish Brn w/ 1/2 R 6/4 M Sand, yel-brn, M-F, trc. silt	W	SP		20	60-1 A.21 Lab Anal	
P-7	2	13 12	12 11	23 R.1.2	X	A.A.	M	SP				
P-8	3	5 13	10 12	26 R.1.3	X	Sand, Grn-Gry, M-F, 0.5' color Lt yellowish Brn w/ 1/2 R 6/4 M Sand, Rd. Brn., M-F 1.0	M	SP		25	60-3 ZS: Lab Anal	
P-9	4	8 15	19 11	26 R.O.B	Y	Sand, Lt. Brn. M-F	W	SP				
P-10	5	12 11	9 10	21 R.W	Y	trc/silt color 10 PR 6/2 Lt Brownish Gray M	W	SP		30	60-5 30 Lab Anal	
						E.O.B. 32.0'						
						Samples taken for Chemical Analysis @ this site						

— KEY —

- C = ROCK CORE
- A = AUGER SAMPLE
- X = SPLIT SPOON
- S = SHELBY TUBE
- =
- =

PROJECT E.C. County Seven Mile L.F (Seymour)
 DATE(S) DRILLED 3-4-86
 LOCATION 12487 N, 15413 E
 GROUNDWATER: 28 FT BELOW GS. AT ELEV. OF 869.51
 DRILLERS: M.P. & T.K. JOB NO. _____
for W.T.D. DATE _____

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-61	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller		Date Drilling Started 11/13/2002		Date Drilling Completed 11/13/2002	
WI Unique Well No.		DNR Well ID No.		Common Well Name TB-61	
		Final Static Water Level 872.1 Feet MSL		Surface Elevation 911.1 Feet MSL	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane NW 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W		Lat. ° ' "		Local Grid Location (If applicable) <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village Town of Seymour	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GS	24		0	Topsoil											Alluvium
			2	Dark brown silt with fine sand 10YR4/3	SM										
2 SS	24 18	3 5	4	Yellow brown silt, some clay, little fine sand 10YR5/4	CL-ML					M	21	5	56.8		Alluvium
3 SS	24 17	6 9	6	Yellow brown fine sand, some silt 10YR5/6	SP-SM					M					Alluvium
4 SS	24 18	6 5 9 8	10	Yellow brown silt with fine sand 10YR5/4	SM					M					Alluvium
5 SS	24 17	6 5 10 11	14	Yellow brown silt with fine sand 10YR5/4	SM					M					Alluvium
			16	Yellow brown fine sand, some silt 10YR5/6	SP-SM										
6 SS	24 19	5 10 13 17	20	Pale brown fine sand, some silt 10YR6/3	SP-SM					M					Alluvium

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Frank Maenner Firm **Ayres Associates** Tel: _____ Fax: _____

Boring Number **TB-61**

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
7 SS	24 17	5 9 15 24	26	Very pale brown fine sand, some silt 10YR7/3	SP-SM				M				Alluvium	
8 SS	24 16	7 15 17 24	30	Very pale brown fine sand, some silt 10YR7/3	SP-SM				M				Alluvium	
9 SS	24 16	8 17 20 25	34	Pale brown fine sand, some silt 10YR6/3	SP-SM				M				Alluvium	
10 SS	24	10 19 23 25	40	Yellow brown fine sand, some silt 10YR5/4	SP-SM				W				Alluvium	
11 SS	24	6 13 18 19	44	Yellow brown fine sand, some silt 10YR5/4	SP-SM				W				Alluvium	
12 SS	24	9 15 16 18	50	Pale brown fine sand, some silt 10YR6/3	SP-SM				W				Alluvium	
13 SS	24 16	8 12 17 20	54	Pale brown fine sand, some silt 10YR6/3	SP-SM				W				Alluvium	
				End of Boring at 56' (elevation = 855.1); Boring backfilled with 3/8" bentonite chips										

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
NW 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot	Grid Number	Street or Route 8001 Olson Drive	
Grid Location 2899.285 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 1268.389 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-61	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/13/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____ <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(4) Depth to Water (Feet) 39.0 Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NA Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
	(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)
	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	56.0	22 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
 Ayres Associates w/ Boart Longyear
 Signature of Person Doing Work: Frank Maenner Date Signed: June 4, 2003
 Street or Route: 3433 Oakwood Hills Parkway Telephone Number: (715) 834-3161
 City, State, Zip Code: Eau Claire, WI 54702

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-62	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller		Date Drilling Started 11/14/2002		Date Drilling Completed 11/14/2002	
WI Unique Well No.		DNR Well ID No.		Common Well Name TB-62	
Final Static Water Level 876.4 Feet MSL		Surface Elevation 915.4 Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N				Local Grid Location (If applicable)	
NW 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W				Lat. <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E Long. <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village Town of Seymour	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GS	24		0-2	Topsoil Dark yellow brown silt with fine sand 10YR4/4	SM					M					Alluvium
2 SS	24 20	6 8 11 10	4-6	Yellow brown silt with fine sand 10YR5/4	SM					M					Alluvium
3 SS	24 19	4 14 14 15	10-12	Yellow brown fine sand, some silt 10YR5/4	SP-SM					M					Alluvium
4 SS	24 18	5 19 23 23	14-16	Yellow brown fine sand, some silt 10YR5/8	SP-SM					M			5.0		Alluvium
5 SS	24 18	7 13 20 23	20-22	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M					Alluvium

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Frank Maenner* Firm **Ayres Associates**

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
NW 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot _____ Grid Number _____		Street or Route 8001 Olson Drive	
Grid Location 2907.18 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 1652.31 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-62	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/14/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) 38.0	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____ <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Construction Report Available? <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NA	
		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)	
		(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Cement Grout	

(7) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Bentonite Chips	Surface	56.0	22 Bags	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates w/ Boart Longyear

Signature of Person Doing Work: *Frank Maenner* Date Signed: *June 4, 2003*

Street or Route: *3433 Oakwood Hills Parkway* Telephone Number: *(715) 834-3161*

City, State, Zip Code: *Eau Claire, WI 54702*

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-63	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - P. Dickinson		Date Drilling Started 11/6/2002		Date Drilling Completed 11/6/2002	
Drilling Method 4 1/4" HSA		WI Unique Well No.		DNR Well ID No.	
Common Well Name TB-63		Final Static Water Level Feet MSL		Surface Elevation 922.8 Feet MSL	
Borehole Diameter 8.0 Inches		Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>)			
State Plane NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W		Lat. ° ' "		Local Grid Location (If applicable) <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Long. ° ' "		2901.77 Feet		2051.275 Feet	
Facility ID 618045450		County Eau Claire		County Code 18	
Civil Town/City/ or Village Town of Seymour					

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 SS	24 18	1 1 1 2	1 2	Very dark gray brown fine sand with silt 10YR3/2	SM					M				Alluvium
2 SS	24 12	3 17 23 22	3 6 8	Dark yellow brown fine sand some silt 10YR4/6	SP-SM					M				Alluvium
3 SS	24 17	14 29 47 50/2	10 12	White fine sand, little silt, trace friable sandstone chips 10YR8/1						M				Residual
4 SS	24 20	16 18 22	16	White fine sand, little silt 10YR8/1						M				Residual
				Dark red brown clay, very stiff 5YR3/4						M	55	28	97.1	Residual
5 SS	12 6	27 12 50/3	18	Light gray well cemented sandstone 10YR7/2						M				Residual
6 SS	6 4	50/3	20	White friable sandstone 10YR8/1						M				Residual

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Frank Maenner Firm **Ayres Associates** Tel: _____ Fax: _____

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
NE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot _____ Grid Number _____		Street or Route 8001 Olson Drive	
Grid Location 2901.77 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 2051.275 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-63	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/06/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____</p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole</p> <p>Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____</p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) _____</p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet)</p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NA</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material</p> <p><input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite</p>
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(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	33.5	13 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates w/ Boart Longyear

Signature of Person Doing Work Frank Maenner	Date Signed June 4, 2003
Street or Route 3433 Oakwood Hills Parkway	Telephone Number (715) 834-3161
City, State, Zip Code Eau Claire, WI 54702	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-64	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - P. Dickinson		Date Drilling Started 11/6/2002		Date Drilling Completed 11/6/2002	
Drilling Method 4 1/4" HSA		WI Unique Well No.		DNR Well ID No.	
Common Well Name TB-64		Final Static Water Level 878.2 Feet MSL		Surface Elevation 919.2 Feet MSL	
Borehole Diameter 8.0 Inches		Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W		Local Grid Location (If applicable) <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
Civil Town/City/ or Village Town of Seymour					

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 SS	24 20	13 11 12 16	2 4	Yellow brown fine sand, some silt 10YR5/6	SP-SM									Alluvium
2 SS	24 17	6 8 7 7	6 8	Yellow brown fine sand, some silt 10YR5/6	SP-SM									Alluvium
3 SS	24 18	7 9 12 12	10 12	Yellow brown fine sand, some silt 10YR5/6	SP-SM									Alluvium
4 SS	24 20	12 12 13 16	16 18	Yellow brown fine sand, some silt 10YR5/6	SP-SM									Alluvium
5 SS	24 19	15 12 22 31	20 22	Pale brown fine sand, some silt 10YR6/3	SP-SM									Alluvium

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Frank Manner Firm **Ayres Associates**

Boring Number **TB-64**

Use only as an attachment to Form 4400-122.

Page **2** of **2**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
6 SS	24 16	20 19 36 47	26	Light yellow brown fine sand, some silt 10YR6/4	SP-SM				M				Alluvium	
7 SS	6 2	50/3	30	White friable sandstone with poorly cemented sandstone fragments 10YR8/1					M				Residual	
8 SS	12 6	47 50/4	36	Light gray friable sandstone, few poorly cemented sandstone chips 10YR7/2					M				Residual	
9 SS	6 8	50/4	40	Light gray friable sandstone, trace poorly cemented sandstone chips 10YR7/2			▼		W				Residual	
10 SS	24 11	7 5 7 24	46	Very pale brown friable sandstone 10YR7/3					W				Residual	
11 SS	6 4	50/4	50	Very pale brown friable sandstone, few poorly cemented sandstone chips 10YR7/3					W				Residual	
12 SS	6 3	50/3	55.4	White friable sandstone 10YR8/2 End of Boring at 55.4' (elevation = 863.8); Boring backfilled with 350 gallons of Bentonite-Cement Grout					W				Residual	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME <u>Onyx-Superior Seven Mile Creek Landfill</u>	
Well/Drillhole/Borehole Location	County <u>Eau Claire</u>	Original Well Owner (If Known)	
<u>NE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner <u>Onyx - Seven Mile Creek Landfill</u>	
Gov't Lot	Grid Number	Street or Route <u>8001 Olson Drive</u>	
Grid Location <u>3000.711</u> ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., <u>1847.676</u> ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Eau Claire, WI 54703</u>	
Civil Town Name <u>Seymour</u>		Facility Well No. and/or Name (If Applicable) <u>TB-64</u>	WI Unique Well No.
Street Address of Well		Reason For Abandonment <u>Test Boring</u>	
City, Village <u>Town of Seymour</u>		Date of Abandonment <u>11/06/02</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(3) Original Well/Drillhole/Borehole Construction Completed On (Date)		(4) Depth to Water (Feet) <u>41.0</u>	
<input type="checkbox"/> Monitoring Well	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable		<input type="checkbox"/> Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Water Well		<input type="checkbox"/> Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable		<input type="checkbox"/> Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input checked="" type="checkbox"/> Drillhole		If No, Explain <u>NA</u>		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Borehole				Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug				Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
				If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(5) Required Method of Placing Sealing Material			
Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____		<input type="checkbox"/> Conductor Pipe - Gravity <input checked="" type="checkbox"/> Conductor Pipe - Pumped			
Lower Drillhole Diameter (in.) _____		<input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)			
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		(6) Sealing Materials		For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Bentonite Pellets	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite-Cement Grout	
		<input type="checkbox"/> Clay-Sand Slurry			
		<input type="checkbox"/> Bentonite-Sand Slurry			
		<input checked="" type="checkbox"/> Chipped Bentonite			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite-Cement Grout	Surface	55.4	350 Gallons

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates w/ Boart Longyear

Signature of Person Doing Work Frank Moennner Date Signed June 4, 2003

Street or Route 3433 Oakwood Hills Parkway Telephone Number (715) 834-3161

City, State, Zip Code Eau Claire, WI 54702

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work
Follow-up Necessary	<input type="checkbox"/> Noncomplying Work

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-65	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - P. Dickinson		Date Drilling Started 11/14/2002		Date Drilling Completed 11/14/2002	
Drilling Method 4 1/4" HSA		WI Unique Well No.		DNR Well ID No.	
Common Well Name TB-65		Final Static Water Level 872.2 Feet MSL		Surface Elevation 917.2 Feet MSL	
Borehole Diameter 8.0 Inches		Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N			
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W		Lat. ° ' "		Local Grid Location (If applicable) <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Long. ° ' "		3100.727 Feet		1646.562 Feet	
Facility ID 618045450		County Eau Claire		County Code 18	
Civil Town/City/ or Village Town of Seymour					

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 SS	24 20	4 4 5 7	2	Yellow brown fine sand with silt 10YR5/6	SM					M					Alluvium
2 SS	24 20	5 7 11 12	6	Very pale brown fine sand with silt 10YR7/3	SM					M					Alluvium
3 SS	24 18	9 10 20 15	10	Light yellow brown fine sand with silt 10YR6/4	SM					M			20.9		Alluvium
4 SS	24 16	7 2 2	16	Yellow brown silt, some clay, little fine sand 10YR5/4	ML					M	19	NP	78.7		Alluvium
5 SS	24	8 9 15 20 23	18	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M					Alluvium
6 SS	24 18	7 8 10 16	20	Pale brown fine sand, some silt 10YR6/3	SP-SM					M					Alluvium

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Frank Maenner* Firm **Ayres Associates** Tel: _____ Fax: _____

Boring Number **TB-65**

Use only as an attachment to Form 4400-122.

Page **2** of **2**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
7 SS	18	17 17 26	26	Pale brown fine sand, some silt 10YR6/3	SP-SM				M				Alluvium	
8 SS	18 18	15 21 50/.4	30	Light brown gray fine sand, some silt with friable sandstone chips 10YR6/2					M				Residual	
9 SS	6 4	50/.3	36	White friable sandstone 10YR8/2					M				Residual	
10 SS	12 8	35 50/.2	40	White friable sandstone 10YR8/1					M				Residual	
11 SS	18 12	32 40 50/.2	46	White friable sandstone 10YR8/1					M				Residual	
12 SS	6 4	50/.3	50	Yellow brown friable sandstone 10YR5/4					W				Residual	
13 SS	12 7	25 50/.2	56	Very pale brown friable sandstone 10YR7/4					W				Residual	
14 SS	12 6	33 50/.2	60	Pale brown friable sandstone 10YR6/3					W				Residual	
				End of Boring at 60.7' (elevation = 856.5); Boring backfilled with 3/8" Bentonite Chips										

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
NE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot _____ Grid Number _____		Street or Route 8001 Olson Drive	
Grid Location 3100.727 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 1646.562 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-65	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/14/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION			
<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____</p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Construction Report Available? <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole</p> <p>Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____</p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) _____</p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) 47.0</p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NA</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite</p>		

(7) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Bentonite Chips	Surface	60.7	30 Bags	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates w/ Boart Longyear

Signature of Person Doing Work Frank Maenner	Date Signed June 4, 2003
Street or Route 3433 Oakwood Hills Parkway	Telephone Number (715) 834-3161
City, State, Zip Code Eau Claire, WI 54702	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-66	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller		Date Drilling Started 11/13/2002		Date Drilling Completed 11/13/2002	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
				TB-66	
Final Static Water Level 871.3 Feet MSL		Surface Elevation 910.3 Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N			Local Grid Location (If applicable)		
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W			Lat. _____ ° _____ ' _____ " <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E Long. _____ ° _____ ' _____ " <input type="checkbox"/> S <input type="checkbox"/> W		
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village Town of Seymour	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GS	24		0	Topsoil										Alluvium
			2	Very dark brown silt with fine sand 10YR2/2	SM									
2 SS	24 19	8 9 6 8	4 6	Pale brown fine sand, some silt 10YR6/3						M				Alluvium
			8		SP-SM									
3 SS	24 18	7 11 12 15	10	Very pale brown fine sand, some silt 10YR7/4						M				Alluvium
			12		SP-SM									
4 SS	24 16	6 17 18 22	14 16	Light yellow brown fine sand, some silt 10YR6/4						M				Alluvium
			18		SP-SM									
5 SS	24 17	6 14 20 23	20	Light yellow brown fine sand, some silt 10YR6/4						M				Alluvium
			22		SP-SM									
			24											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Frank Maenner* Firm **Ayres Associates**

Boring Number **TB-66**

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
6 SS	24 16	8	26	Pale brown fine sand, some silt 10YR6/3	SP-SM								Alluvium	
		15												20
7 SS	24 16	12	30	Pale brown fine sand, some silt 10YR6/3	SP-SM								Alluvium	
		20												22
8 SS	24 14	10	36	Light gray fine sand, some silt 10YR7/2	SP-SM								Alluvium	
		15												25
9 SS	24 18	9	40	Pale brown fine sand, some silt 10YR6/3	SP-SM								Alluvium	
		13												14
10 SS	24 20	6	46	Brown fine sand, some silt, trace friable sandstone chips 10YR5/3									Residual	
		11												13
11 SS	24 21	3	52	Yellow brown friable sandstone 10YR5/6									Residual	
		3												5
				End of Boring at 53.0' (elevation = 857.3); Boring backfilled with 3/8" bentonite chips										

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
NE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot	Grid Number	Street or Route 8001 Olson Drive	
Grid Location 3095.935 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 1194.633 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-66	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/13/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____		(4) Depth to Water (Feet) 38.0	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NA	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)	
Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____		(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite	
Lower Drillhole Diameter (in.) _____			
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	53.0	26 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates w/ Boart Longyear
Signature of Person Doing Work: Frank Maenner Date Signed: June 4, 2003
Street or Route: 3433 Oakwood Hills Parkway Telephone Number: (715) 834-3161
City, State, Zip Code: Eau Claire, WI 54702

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-67	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller		Date Drilling Started 11/12/2002		Date Drilling Completed 11/12/2002	
WI Unique Well No.		DNR Well ID No.		Common Well Name TB-67	
Final Static Water Level 875.2 Feet MSL		Surface Elevation 910.2 Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N				Local Grid Location (If applicable) <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W				Lat. _____ Long. _____	
Facility ID 618045450		County Eau Claire		County Code 18	
Civil Town/City/ or Village Town of Seymour					

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GS	24		0	Topsoil										Alluvium
			2	Yellow brown fine sand, some silt 10YR5/4	SP-SM									
2 SS	24 19	3 5 7 13	4	Light yellow brown silt with fine sand 10YR6/4	SM					M				Alluvium
			6	6" Brown silt with clay lense at 5'	ML									
			8	Light yellow brown silt with fine sand 10YR6/4	SM									
3 SS	24 20	4 9 9 10	10	Yellow brown silt with fine sand 10YR5/4	SM					M				Alluvium
			12	2" brown silt with clay lense at 10'	ML									
			14	Yellow brown silt with fine sand 10YR5/4	SM									
4 SS	24 20	5 14 26 27	16	Pale brown silt with fine sand 10YR6/3	SM					M				Alluvium
			18											
5 SS	24 18	9 12 30 38	20	Pale brown fine sand, some silt 10YR6/3	SM					M				Alluvium
			22		SP-SM									
			24											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Frank Maenner* Firm **Ayres Associates** Tel: _____ Fax: _____

Boring Number **TB-67**

Use only as an attachment to Form 4400-122.

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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
6 SS	24 16	8	26	Pale brown fine sand, some silt 10YR6/3	SP-SM								Alluvium	
		17												30
7 SS	24 16	9	30	Very pale brown fine sand, some silt 10YR7/3	SP-SM								Alluvium	
		16												23
8 SS	24 15	13	36	Pale brown fine sand, some silt 10YR6/3	SP-SM								Alluvium	
		16												30
9 SS	24 13	3	40	Light yellow brown fine sand, some silt, little medium sand 10YR6/4	SP-SM								Alluvium	
		7												12
10 SS	24 14	9	46	Light yellow brown fine sand, some silt, trace friable sandstone chips 10YR6/4									Residual	
		7												7
11 SS	24 16	3	50	Pale brown fine sand, some silt, trace poorly cemented sandstone chips 10YR6/3									Residual	
		6												9
12 SS	24 12	4	56	Pale brown fine sand, some silt, trace coarse sand 10YR6/3									Residual	
		7												9
				End of Boring at 56' (elevation = 854.2); Boring backfilled with 3/8" bentonite chips										

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
NE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot _____ Grid Number _____		Street or Route 8001 Olson Drive	
Grid Location 3305.36 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 1399.787 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-67	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/12/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION			
<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____</p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole</p> <p>Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____</p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) _____</p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) 36.0</p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NA</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Cement Grout</p>		

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	56.0	22 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates w/ Boart Longyear

Signature of Person Doing Work Frank Maenner	Date Signed June 4, 2003
Street or Route 3433 Oakwood Hills Parkway	Telephone Number (715) 834-3161
City, State, Zip Code Eau Claire, WI 54702	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-68	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - P. Dickinson		Date Drilling Started 11/6/2002		Date Drilling Completed 11/6/2002	
Drilling Method 4 1/4" HSA		WI Unique Well No.		DNR Well ID No.	
Common Well Name TB-68		Final Static Water Level 880.0 Feet MSL		Surface Elevation 920.0 Feet MSL	
Borehole Diameter 8.0 Inches		Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W		Local Grid Location (If applicable) <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
Civil Town/City/ or Village Town of Seymour		Latitude _____° _____'		Longitude _____° _____'	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 SS	24 20	1 2 5 8	1 2	Topsoil											Alluvium
				Dark yellow brown fine sand with silt 10YR4/4	SM										
2 SS	24 20	4 4 7 5	4 6 7 8	Light yellow brown fine sand, some silt 10YR6/4	SP-SM						M				Alluvium
				3" clayey silt with fine sand lense at 6.5' Light yellow brown fine sand, some silt 10YR6/4	ML										
3 SS	24 19	7 15 15 21	10 12	Light yellow brown fine sand, some silt 10YR6/4	SP-SM						M				Alluvium
4 SS	24 16	8 21 20 12	16 18	Light yellow brown fine sand, some silt 10YR6/4	SP-SM						M				Alluvium
5 SS	24 21	8 24 20 21	20 22	Light yellow brown fine sand, some silt 10YR6/4	SP-SM						M				Alluvium

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Frank Maenner Firm Ayres Associates

Boring Number TB-68

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
6 SS	24 17	8 16 21 28	26	Pale brown fine sand, some silt 10YR6/3	SP-SM				M				Alluvium	
7 SS	24 20	8 21 32 36	30	Very pale brown fine sand, some silt 10YR7/4	SP-SM				M				Alluvium	
8 SS	24 16	8 17 32 41	36	Very pale brown fine sand, some silt 10YR7/4	SP-SM				M				Alluvium	
9 SS	24 19	12 22 35 42	40	Dark brown fine sand, some silt 7.5YR4/4	SP-SM				W				Alluvium	
10 SS	24 20	8 11 13 19	46	Brown fine sand, some silt 7.5YR5/4	SP-SM				W				Alluvium	
11 SS	24 11	7 14 16 20	50	Brown fine sand, some silt, some weakly cemented sandstone fragments 10YR5/3					W				Residual	
12 SS	12 10	46 50/.3	56	Brown fine sand, some silt, few weakly cemented sandstone fragments 10YR5/3					W				Residual	
13 SS	6 6	50/.3	60	Pale brown friable sandstone 10YR6/3 End of Boring at 60.5' (elevation = 859.5); Boring backfilled with 300 gallons Bentonite-Cement Grout					W				Residual	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
NE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot	Grid Number	Street or Route 8001 Olson Drive	
Grid Location 3297.009 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 1872.233 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-68	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/06/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____	(4) Depth to Water (Feet) 41.0
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NA
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe - Gravity <input checked="" type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite
Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____	For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input checked="" type="checkbox"/> Bentonite-Cement Grout
Lower Drillhole Diameter (in.) _____	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite-Cement Grout	Surface	60.5	300 Gallons

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayes Associates w/ Boart Longyear

Signature of Person Doing Work: Frank Maenner
Date Signed: June 4, 2003

Street or Route: 3433 Oakwood Hills Parkway
Telephone Number: (715) 834-3161

City, State, Zip Code: Eau Claire, WI 54702

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-69	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - D. Morris		Date Drilling Started 11/7/2002		Date Drilling Completed 11/7/2002	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
				TB-69	
Final Static Water Level 880.0 Feet MSL		Surface Elevation 925.0 Feet MSL		Borehole Diameter 8.0 Inches	

Boring Location or Local Grid Origin (Check if estimated:)
State Plane **S/C/N** Lat. _____ " N E
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W Long. _____ " S W
Local Grid Location (If applicable)
3598.05 Feet S 2073.31 Feet W

Facility ID 618045450	County Eau Claire	County Code 18	Civil Town/City/ or Village Town of Seymour
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Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GS	24		0	Topsoil										Alluvium
			2	Dark yellow brown fine sand, some silt 10YR3/4	SP-SM									
2 SS	24 15	16 12 20 22	6	Yellow brown fine sand, some silt 10YR5/6	SP-SM					M				Alluvium
3 SS	24 17	14 15 17 17	10	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium
4 SS	24 12	11 13 16 25	16	Yellow brown fine sand, some silt 10YR5/4	SP-SM					M				Alluvium
5 SS	24 15	11 13 15 20	20	Yellow brown fine sand, some silt 10YR5/6	SP-SM					M				Alluvium
			21	3" silt lense at 21'	ML									
			22	Yellow brown fine sand, some silt 10YR5/6	SP-SM									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Frank McMeney Firm **Ayres Associates** Tel: _____ Fax: _____

Boring Number **TB-69**

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
6 SS	24 17	7 12 16 27	26 28	Yellow brown fine sand, some silt 10YR5/6	SP-SM				M				Alluvium	
7 SS	24 18	13 22 29 36	30 32	Very pale brown fine sand, some silt 10YR7/4	SP-SM				M				Alluvium	
8 SS	24 12	17 29 41 49	36 38	Very pale brown fine sand, some silt 10YR7/4	SP-SM				M				Alluvium	
9 SS	24 16	29 19 31 39	40 42	Pale brown fine sand, some silt 10YR6/3	SP-SM				M				Alluvium	
10 SS	24 12	19 16 22 31	46 48	Yellow brown fine sand, some silt 10YR5/4	SP-SM				W				Alluvium	
11 SS	24 10	5 9 26 28	50 52	Light yellow brown fine sand, some silt 10YR6/4	SP-SM				W				Alluvium	
12 SS	18 12	23 39 50	56 58	Light gray fine sand, some silt, few weakly cemented sandstone chips 10YR7/2					W				Residual	
13 SS	12 4	28 50	60	Light yellow brown friable sandstone 10YR6/4					W				Residual	
				End of Boring at 61' (elevation = 864.0); Boring backfilled with 3/8" bentonite chips										

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
NE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N.; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot _____ Grid Number _____		Street or Route 8001 Olson Drive	
Grid Location 3598.05 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 2073.31 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-69	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/07/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____</p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Construction Report Available? <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole</p> <p>Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____</p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) _____</p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) 43.0</p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NA</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite</p>
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(7) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Bentonite Chips	Surface	61.0	27 Bags	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
 Ayres Associates w/ Boart Longyear
 Signature of Person Doing Work: Frank Maenner
 Date Signed: June 4, 2003
 Street or Route: 3433 Oakwood Hills Parkway
 Telephone Number: (715) 834-3161
 City, State, Zip Code: Eau Claire, WI 54702

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-70	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller		Date Drilling Started 11/11/2002		Date Drilling Completed 11/11/2002	
WI Unique Well No.		DNR Well ID No.		Common Well Name TB-70	
Final Static Water Level 875.4 Feet MSL		Surface Elevation 919.4 Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>)					
State Plane NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W			Local Grid Location (If applicable)		
Lat. _____			<input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E		
Long. _____			<input type="checkbox"/> S <input type="checkbox"/> W		
Facility ID 618045450		County Eau Claire		Civil Town/City/ or Village Town of Seymour	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GS	24		0-2	Topsoil											Alluvium
			2-4	Brown fine sand with silt 10YR4/3	SM										
2 SS	24 20	7 8 9 8	4-6	Yellow brown fine sand with silt 10YR6/6	SM										Alluvium
3 SS	24 18	3 7 10 15	6-10	Brown fine sand, some silt 10YR5/3	SP-SM										Alluvium
4 SS	24 17	7 8 7 9	10-16	Yellow brown fine sand, some silt 10YR5/4 3" brown silt lense at 15' Yellow brown fine sand, some silt 10YR5/4	SP-SM ML SP-SM										Alluvium
5 SS	24 12	1 2 5 11	16-22	Yellow brown fine sand, some silt 10YR5/4 3" brown silt with clay lense at 20' Yellow brown fine sand, some silt 10YR5/4	SP-SM ML SP-SM										Alluvium

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Frank Maenner* Firm **Ayres Associates**

Boring Number **TB-70**

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
6 SS	24 14	10 21 25 29	26	Very pale brown fine sand, some silt 10YR7/3	SP-SM				M				Alluvium	
7 SS	24 15	10 11 19 29	30	Very pale brown fine sand, some silt 10YR7/3	SP-SM				M				Alluvium	
8 SS	24 14	13 23 36 44	34	brown fine sand, some silt 10YR6/3	SP-SM				M				Alluvium	
9 SS	24 18	12 14 19 25	40	Very pale brown fine sand, some silt 10YR7/3	SP-SM				W				Alluvium	
10 SS	24 12	4 13 19 29	44	Yellow brown fine to medium sand, little silt 10YR5/6	SP				W				Alluvium	
11 SS	24 14	3 4 7 9	50	Yellow brown fine sand, some silt, trace weakly cemented sandstone chips 10YR5/4					W				Residual	
12 SS	24 13	8 4 7 7	54	Yellow brown fine to medium sand, little silt, trace weakly cemented sandstone chips 10YR5/4					W				Residual	
				End of Boring at 56' (elevation = 863.4); Boring backfilled with 3/8" bentonite chips										

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
NE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot	Grid Number	Street or Route 8001 Olson Drive	
Grid Location 3498.041 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 1836.94 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-70	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/11/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____ <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(4) Depth to Water (Feet) _____ Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>NA</u> Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
	(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____
	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	56.0	26 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates w/ Boart Longyear

Signature of Person Doing Work <i>Frank Maenner</i>	Date Signed June 4, 2003
Street or Route 3433 Oakwood Hills Parkway	Telephone Number (715) 834-3161
City, State, Zip Code Eau Claire, WI 54702	

FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-71	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller		Date Drilling Started 11/11/2002		Date Drilling Completed 11/11/2002	
Drilling Method 4 1/4" HSA		WI Unique Well No.		DNR Well ID No.	
Common Well Name TB-71		Final Static Water Level 875.8 Feet MSL		Surface Elevation 914.8 Feet MSL	
Borehole Diameter 8.0 Inches		Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N		Local Grid Location (If applicable) <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E	
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W		Long. ° ' "		3503.466 Feet <input type="checkbox"/> S 1640.919 Feet <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village Town of Seymour	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GS	24			Topsoil											Alluvium
			2	Light yellow brown silt with fine sand 10YR6/4	SM										
2 SS	24 19	3 4 6 9	4 6	Yellow brown fine sand, some silt 10YR5/4	SP-SM						M				Alluvium
3 SS	24 18	10 13 19 23	10 12	Pale brown fine sand, some silt 10YR6/3	SP-SM						M				Alluvium
4 SS	24 17	4 10 19 28	14 16	Brown silt with fine sand 10YR4/3	SM						M				Alluvium
5 SS	24 20	9 13 19 26	20 22	Brown fine sand, some silt 10YR5/3 2" brown silt lense at 20' Brown fine sand, some silt 10YR5/3	SP-SM ML SP-SM						M				Alluvium

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Frank Maenner* Firm **Ayres Associates** Tel: _____ Fax: _____

Boring Number TB-71

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
6 SS	24 18	13 19 26 34	26	Light yellow brown fine sand, some silt 10YR6/4	SP-SM				M			1.8	Alluvium	
7 SS	24 17	14 20 28 34	30	Very pale brown fine sand, some silt 10YR7/3	SP-SM				M				Alluvium	
8 SS	24 14	19 16 35 41	36	Light gray fine sand, some silt 10YR7/2	SP-SM				M				Alluvium	
9 SS	24 20	6 17 21 26	40	Pale brown fine sand, some silt 10YR6/3	SP-SM				W				Alluviur	
				End of Boring at 41' (elevation = 873.8); Boring backfilled with 3/8" bentonite chips										

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
NE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot	Grid Number	Street or Route 8001 Olson Drive	
Grid Location 3503.466 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 1640.919 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-71	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/11/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____ <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(4) Depth to Water (Feet) 38.0 Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NA Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
	(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____
(6) Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	41.0	19 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
 Ayres Associates w/ Boart Longyear
 Signature of Person Doing Work: Frank Maenner
 Date Signed: June 4, 2003
 Street or Route: 3433 Oakwood Hills Parkway
 Telephone Number: (715) 834-3161
 City, State, Zip Code: Eau Claire, WI 54702

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-72	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller		Date Drilling Started 11/12/2002		Date Drilling Completed 11/12/2002	
WI Unique Well No.		DNR Well ID No.		Common Well Name TB-72	
Final Static Water Level 873.6 Feet MSL		Surface Elevation 912.6 Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N			Local Grid Location (if applicable)		
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W			Lat. ° ' " Long. ° ' "		
Facility ID 618045450			County Eau Claire		County Code 18
Civil Town/City/ or Village Town of Seymour					

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GS	24		0	Topsoil											Alluvium
			2	Dark gray brown fine sand with silt 10YR4/2	SM										
2 SS	24 22	3 5 6 11	4 6	Yellow brown fine sand with silt 10YR5/4	SM										Alluvium
3 SS	24 18	6 7 13 14	10	Light yellow brown fine sand, some silt 10YR6/4	SP-SM										Alluvium
4 SS	24 19	7 8 10 12	14	Light yellow brown fine sand, some silt 10YR6/4	SP-SM										Alluvium
45 SS	24 16	5 10 15 17	20	Pale brown fine sand, some silt 10YR6/3	SP-SM										Alluvium

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Frank Maenner* Firm **Ayres Associates**

Boring Number TB-72

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
6 SS	24 15	8	26	Light gray fine sand, some silt 10YR7/2	SP-SM								Alluvium	
		9												
		17												
		19												
7 SS	24 18	10	30	Very pale brown fine sand, some silt 10YR7/3	SP-SM								Alluvium	
		13												
		16												
		19												
8 SS	24 16	9	34	Light brown gray fine sand, some silt 10YR6/2	SP-SM								Alluvium	
		13												
		21												
		27												
9 SS	24 11	5	40	Brown fine sand, some silt 10YR5/3	SP-SM								Alluvium	
		7												
		8												
		9												
10 SS	24	2	44	Yellow brown fine sand, some silt 10YR5/4	SP-SM								Alluvium	
		3												
		8												
		12												
11 SS	24 12	4	52	Light yellow brown fine sand, some silt, trace friable sandstone chips 10YR6/4									Residual	
		6												
		8												
		9												
				End of Boring at 53' (elevation = 859.6); Boring backfilled with 3/8" bentonite chips										

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME <u>Onyx-Superior Seven Mile Creek Landfill</u>	
Well/Drillhole/Borehole Location	County <u>Eau Claire</u>	Original Well Owner (If Known)	
NE 1/4 of SE 1/4 of Sec. <u>8</u> ; T. <u>27</u> N; R. <u>8</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner <u>Onyx - Seven Mile Creek Landfill</u>	
Gov't Lot _____ Grid Number _____		Street or Route <u>8001 Olson Drive</u>	
Grid Location <u>3502.619</u> ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., <u>1401.762</u> ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Eau Claire, WI 54703</u>	
Civil Town Name <u>Seymour</u>		Facility Well No. and/or Name (If Applicable)	WI Unique Well No.
Street Address of Well		<u>TB-72</u>	
City, Village		Reason For Abandonment <u>Test Boring</u>	
<u>Town of Seymour</u>		Date of Abandonment <u>11/12/02</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>38.0</u>	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Construction Report Available? <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>NA</u>	
		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
		(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)		Mix Ratio or Mud Weight
Bentonite Chips	Surface	53.0	21 Bags	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates w/Boart Longyear
 Signature of Person Doing Work: Frank Maenner Date Signed: June 4, 2003
 Street or Route: 3433 Oakwood Hills Parkway Telephone Number: (715) 834-3161
 City, State, Zip Code: Eau Claire, WI 54702

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
NE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot	Grid Number	Street or Route 8001 Olson Drive	
Grid Location 3683.222 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 1638.592 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-73	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/11/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____	(4) Depth to Water (Feet)
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>NA</u>
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite
Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____	
Lower Drillhole Diameter (in.) _____	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	38.0	17 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates w/ Boart Longyear

Signature of Person Doing Work: Frank Maenner
Date Signed: June 4, 2003

Street or Route: 3433 Oakwood Hills Parkway
Telephone Number: (715) 834-3161

City, State, Zip Code: Eau Claire, WI 54702

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-74	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - P. Dickinson		Date Drilling Started 11/14/2002		Date Drilling Completed 11/14/2002	
WI Unique Well No.		DNR Well ID No.		Common Well Name TB-74	
		Final Static Water Level 875.0 Feet MSL		Surface Elevation 910.0 Feet MSL	
				Borehole Diameter 8.0 Inches	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane SE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W				Local Grid Location (If applicable) Lat. _____ " <input checked="" type="checkbox"/> N <input type="checkbox"/> E Long. _____ " <input type="checkbox"/> S <input type="checkbox"/> W 1883.705 Feet <input type="checkbox"/> S 2151.798 Feet <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village Town of Seymour	

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1	SS	24 20	6 8 11 14	2	Brown silt with fine sand 10YR4/3	SM					M				Alluvium
2	SS	24 20	9 11 12 14	6	Dark yellow brown fine sand, some silt 10YR4/6	SP-SM					M				Alluvium
3	SS	24 16	9 8 12 14	10	Yellow brown fine sand with silt 10YR5/4	SM					M				Alluvium
4	SS	24 24	12 9 10 11	16	Dark yellow brown silt with clay, some fine sand 10YR4/4	CL-MI					M		54.9		Alluvium
5	SS	24 21	11 14 10 20 29	18	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium
6	SS	24 22	15 19 20 27	20	Yellow brown fine sand with silt, some friable sandstone chips 10YR6/4						M				Alluvium
				22											Residual
				24											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Frank Maenner Firm Ayres Associates

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME <u>Onyx-Superior Seven Mile Creek Landfill</u>	
Well/Drillhole/Borehole Location	County <u>Eau Claire</u>	Original Well Owner (If Known)	
<u>SE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W		Present Well Owner <u>Onyx - Seven Mile Creek Landfill</u>	
(If Applicable) Gov't Lot	Grid Number	Street or Route <u>8001 Olson Drive</u>	
Grid Location <u>1883.705</u> ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., <u>2151.798</u> ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Eau Claire, WI 54703</u>	
Civil Town Name <u>Seymour</u>		Facility Well No. and/or Name (If Applicable) <u>TB-74</u>	WI Unique Well No.
Street Address of Well		Reason For Abandonment <u>Test Boring</u>	
City, Village <u>Town of Seymour</u>		Date of Abandonment <u>11/14/02</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>31.0</u>	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date)		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Water Well		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input checked="" type="checkbox"/> Drillhole		Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input type="checkbox"/> Borehole		If No, Explain <u>NA</u>	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(5) Required Method of Placing Sealing Material	
Total Well Depth (ft) _____ Casing Diameter (in.) _____	Casing Depth (ft.) _____	<input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped	
Lower Drillhole Diameter (in.) _____		<input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If Yes, To What Depth? _____ Feet	(6) Sealing Materials	
		For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Neat Cement Grout	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
		<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets	
		<input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout	
		<input checked="" type="checkbox"/> Chipped Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	47.0	22 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates w/Boart Longyear

Signature of Person Doing Work: Frank Maenner Date Signed: June 4, 2003

Street or Route: 3433 Oakwood Hills Parkway Telephone Number: (715) 834-3161

City, State, Zip Code: Eau Claire, WI 54702

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work
Follow-up Necessary	<input type="checkbox"/> Noncomplying Work

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-75	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - P. Dickinson		Date Drilling Started 11/21/2002	Date Drilling Completed 11/21/2002	Drilling Method 4 1/4" HSA	
WI Unique Well No.	DNR Well ID No.	Common Well Name TB-75	Final Static Water Level 876.5 Feet MSL	Surface Elevation 915.5 Feet MSL	Borehole Diameter 8.0 Inches
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N			Local Grid Location (If applicable)		
SW 1/4 of SW 1/4 of Section 9 , T 27 N, R 8 W			Lat. _____"	<input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E	
			Long. _____"	<input type="checkbox"/> S <input type="checkbox"/> W	1580.711 Feet <input type="checkbox"/> S 2551.68 Feet <input type="checkbox"/> W
Facility ID 618045450	County Eau Claire	County Code 18	Civil Town/City/ or Village Town of Seymour		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GS	24		0-2	Topsoil Brown silt with fine sand 10YR5/3	SM					M					Alluvium
2 SS	24 16	4 7 12 13	4-6	Yellow brown fine sand with silt 10YR5/4	SM					M					Alluvium
3 SS	24 14	5 24 22 26	10-12	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M			7.8		Alluvium
4 SS	24 13	5 35 37 50/2	14-18	Yellow brown friable sandstone 10YR4/6 2" red gray clayey shale layer Yellow brown friable sandstone 10YR4/6 2" red gray clayey shale layer Yellow brown friable sandstone 10YR4/6 2" red gray clayey shale layer Yellow brown friable sandstone 10YR4/6						M					Residual
5 SS	24 4	50/3	20-24	Light yellow brown friable sandstone 10YR6/4						M					Residual

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Frank Manner Firm **Ayres Associates** Tel: _____ Fax: _____

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME <u>Onyx-Superior Seven Mile Creek Landfill</u>	
Well/Drillhole/Borehole Location	County <u>Eau Claire</u>	Original Well Owner (If Known)	
<u>SW 1/4 of SW 1/4 of Sec. 9 ; T. 27 N; R. 8</u> (If Applicable)		Present Well Owner <u>Onyx - Seven Mile Creek Landfill</u>	
Gov't Lot	Grid Number	Street or Route <u>8001 Olson Drive</u>	
Grid Location <u>1580.711</u> ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., <u>2551.68</u> ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Eau Claire, WI 54703</u>	
Civil Town Name <u>Seymour</u>		Facility Well No. and/or Name (If Applicable) <u>TB-75</u>	WI Unique Well No.
Street Address of Well		Reason For Abandonment <u>Test Boring</u>	
City, Village <u>Town of Seymour</u>		Date of Abandonment <u>11/21/02</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____		(4) Depth to Water (Feet) <u>34.0</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>NA</u>	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)	
Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____		(6) Sealing Materials For monitoring wells and monitoring well boreholes only	
Lower Drillhole Diameter (in.) _____		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	49.0	22 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates W/Boart Longyear

Signature of Person Doing Work: Frank Maenner Date Signed: June 4, 2003

Street or Route: 3433 Oakwood Hills Parkway Telephone Number: (715) 834-3161

City, State, Zip Code: Eau Claire, WI 54702

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-76	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - P. Dickinson		Date Drilling Started 11/20/2002		Date Drilling Completed 11/20/2002	
Drilling Method 4 1/4" HSA		WI Unique Well No.		DNR Well ID No.	
Common Well Name TB-76		Final Static Water Level 914.2 Feet MSL		Surface Elevation 919.2 Feet MSL	
Borehole Diameter 8.0 Inches		Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N		Local Grid Location (If applicable) <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
SW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W		Lat. _____"		Long. _____"	
Facility ID 618045450		County Eau Claire		County Code 18	
Civil Town/City/ or Village Town of Seymour		Civil Town/City/ or Village			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 SS	24 20	4 6 7 10	2	Topsoil										Alluvium
				Dark brown silt with fine sand 10YR4/3	SM									
2 SS	24 20	7 9 10	6	Dark yellow brown silt with fine sand 10YR4/4	SM									Alluvium
				3" silt lense at 6'	ML									
3 SS	18 7	4 25 50/.2	10	Dark yellow brown silt with fine sand 10YR4/4	SM									Residual
				Dark red brown clay stiff 5YR3/4										
4 SS	18 7	28 40 50/.1	16	Light yellow brown friable sandstone 10YR6/4										Residual
				White friable sandstone 10YR8/1										
5 SS	18 10	30 48 50/.2	20	2" light gray shale layer at 15.5'										Residual
				White friable sandstone 10YR8/1										
			22	2" light gray shale layer at 16'										Residual
				White friable sandstone 10YR8/1										
			24	Yellow brown friable sandstone 10YR5/4										Residual
				2" thick soft clayey shale layer										
				Yellow brown friable sandstone 10YR5/4										Residual
				2" thick soft clayey shale layer										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Frank Maenner Firm Ayres Associates

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
SW 1/4 of SW 1/4 of Sec. 9 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot	Grid Number	Street or Route 8001 Olson Drive	
Grid Location 1698.121 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 2713.21 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-76	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/20/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____		(4) Depth to Water (Feet) 10.0	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NA	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)	
Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____		(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Cement Grout
Lower Drillhole Diameter (in.) _____			
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	50.5	20 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates w/ Boart Longyear

Signature of Person Doing Work Frank Maenner	Date Signed June 4, 2003
Street or Route 3433 Oakwood Hills Parkway	Telephone Number (715) 834-3161
City, State, Zip Code Eau Claire, WI 54702	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-77	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - P. Dickinson		Date Drilling Started 11/20/2002	Date Drilling Completed 11/20/2002	Drilling Method 4 1/4" HSA	
WI Unique Well No.	DNR Well ID No.	Common Well Name TB-77	Final Static Water Level 897.8 Feet MSL	Surface Elevation 918.3 Feet MSL	Borehole Diameter 8.0 Inches
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N			Local Grid Location (If applicable)		
SW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W			Lat. ° ' "	<input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E	Long. ° ' "
			2107.308 Feet <input type="checkbox"/> S 2547.077 Feet <input type="checkbox"/> W		
Facility ID 618045450	County Eau Claire	County Code 18	Civil Town/City/ or Village Town of Seymour		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 SS	24 19	12 3 3 5	2	Dark yellow brown silt with fine sand 10YR4/4	SM					M				Alluvium
2 SS	24 20	12 15 15 18	6	Yellow brown fine sand with silt 10YR5/4	SM					M				Alluvium
3 SS	24 11	5 8 8 12	10	Yellow brown fine sand with silt 10YR5/4	SM					M				Alluvium
4 SS	24 18	8 8 12 15	16	Light yellow brown fine sand with silt 10YR6/2	SM					M				Alluvium
5 SS	18 1	8 19 50/2	20	Light brown gray friable sandstone 10YR6/2						W				Residual

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Frank Maenner Firm Ayres Associates Tel: _____ Fax: _____

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
SW 1/4 of SW 1/4 of Sec. 9 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot	Grid Number	Street or Route 8001 Olson Drive	
Grid Location 2107.308 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 2547.077 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-77	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/20/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____ <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(4) Depth to Water (Feet) 21.0 Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NA Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No (5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____ (6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	50.5	22 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates w/Boart Longyear
Signature of Person Doing Work: Frank Maenner Date Signed: June 4, 2003
Street or Route: 3433 Oakwood Hills Parkway Telephone Number: (715) 834-3161
City, State, Zip Code: Eau Claire, WI 54702

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-78	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - P. Dickinson		Date Drilling Started 11/18/2002		Date Drilling Completed 11/18/2002	
WI Unique Well No.		DNR Well ID No.		Common Well Name TB-78	
		Final Static Water Level 883.8 Feet MSL		Surface Elevation 918.8 Feet MSL	
				Borehole Diameter 3.0 Inches	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane SW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W				Local Grid Location (If applicable) Lat. _____ " <input checked="" type="checkbox"/> N <input type="checkbox"/> E Long. _____ " <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village Town of Seymour	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 SS	24 10	4 5 4 4	2	Dark yellow brown fine sand with silt 10YR4/4	SM					M				Alluvium
2 SS	24 20	8 5 12 18	6	Yellow brown fine sand, some silt 10YR5/4	SP-SM					M				Alluvium
3 SS	24 20	6 9 10 12	10	Dark yellow brown silt with fine sand 10YR4/4	SM					M				Alluvium
4 SS	24 18	12 9 11 23	16	Pale brown fine sand, some silt 10YR6/3	SP-SM					M				Alluvium
5 SS	24 18	17 16 25 23	20	Light yellow brown fine sand some silt 10YR6/4	SP-SM					M		5.5		Alluvium

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Frank Maenner Firm Ayres Associates

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions 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 used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill			License/Permit/Monitoring Number 3097		Boring Number TB-79	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - P. Dickinson			Date Drilling Started 11/19/2002		Date Drilling Completed 11/19/2002	Drilling Method 4 1/4" HSA
WI Unique Well No.	DNR Well ID No.	Common Well Name TB-79	Final Static Water Level 881.8 Feet MSL		Surface Elevation 921.8 Feet MSL	Borehole Diameter 8.0 Inches
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N			Lat. ° ' "		Local Grid Location (If applicable) <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
SW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W	Long. ° ' "	2416.899 Feet	2549.605 Feet			
Facility ID 618045450		County Eau Claire	County Code 18	Civil Town/City/ or Village Town of Seymour		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 SS	24	1	1	Topsoil Dark yellow brown silt with fine sand 10YR4/4	SM										Alluvium
		2	2												
2 SS	24 20	2	6	Light yellow brown fine sand, some silt 10YR6/4	SP-SM										Alluvium
		5	11												
3 SS	24 20	10	12	Light yellow brown fine sand, some silt 10YR6/4	SP-SM										Alluvium
		10	17												
4 SS	24 20	7	16	Very pale brown fine sand, some silt 10YR7/4	SP-SM										Alluvium
		15	23												
5 SS	24 20	15	22	Light yellow brown fine sand, some silt 10YR6/4	SP-SM										Alluvium
		11	15												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Frank Menn</i>	Firm Ayres Associates	Tel: Fax:
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All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
SW 1/4 of SW 1/4 of Sec. 9 ; T. 27 N; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot	Grid Number	Street or Route 8001 Olson Drive	
Grid Location 2416.899 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 2549.605 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-79	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/19/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____ <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(4) Depth to Water (Feet) 39.0 Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NA Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No (5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____ (6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	52.0	26 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work Ayres Associates w/ Boart Longyear Signature of Person Doing Work Frank Maenner Date Signed June 4, 2003 Street or Route 3433 Oakwood Hills Parkway Telephone Number (715) 834-3161 City, State, Zip Code Eau Claire, WI 54702	(10) FOR DNR OR COUNTY USE ONLY Date Received/Inspected _____ District/County _____ Reviewer/Inspector _____ <input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work Follow-up Necessary _____
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-80	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller		Date Drilling Started 11/18/2002		Date Drilling Completed 11/18/2002	
WI Unique Well No.		DNR Well ID No.		Common Well Name TB-80	
Final Static Water Level 887.3 Feet MSL		Surface Elevation 926.3 Feet MSL		Borehole Diameter 8.0 Inches	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N				Local Grid Location (If applicable)	
SW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W				Lat. <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E Long. <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village Town of Seymour	

Sample Number and Type	Length Att & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GS	24 24		0	Topsoil Yellow brown silt with fine sand 10YR5/4	SM					M				Alluvium
2 SS	24 20	3 4 5 5	4 5 6	Dark yellow brown fine sand with silt 10YR4/4	SM					M				Alluvium
3 SS	24 18	4 6 12 15	10 12	Brownish yellow fine sand, some silt 10YR6/6	SP-SM					M				Alluvium
4 SS	24 16	8 15 16 16	14 16	Brownish yellow fine sand, some silt 10YR6/6	SP-SM					M				Alluvium
5 SS	24 17	9 17 26 27	20 22	Pale brown fine sand, some silt 10YR6/3	SP-SM					M				Alluvium

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Frank Maenner* Firm **Ayres Associates**

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Onyx-Superior Seven Mile Creek Landfill	
Well/Drillhole/Borehole Location	County Eau Claire	Original Well Owner (If Known)	
SW 1/4 of SW 1/4 of Sec. 9 ; T. 27 N.; R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Onyx - Seven Mile Creek Landfill	
Gov't Lot	Grid Number	Street or Route 8001 Olson Drive	
Grid Location 2409.269 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., 2714.936 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, WI 54703	
Civil Town Name Seymour		Facility Well No. and/or Name (If Applicable) TB-80	WI Unique Well No.
Street Address of Well		Reason For Abandonment Test Boring	
City, Village Town of Seymour		Date of Abandonment 11/18/02	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) 39.0	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date)	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole	Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify)	Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Lower Drillhole Diameter (in.) _____	Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
		(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)	
		(6) Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	56.0	22 Bags

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Ayres Associates W/Boart Longyear

Signature of Person Doing Work: *Frank Maenner* Date Signed: *June 4, 2003*

Street or Route: *3433 Oakwood Hills Parkway* Telephone Number: *(715) 834-3161*

City, State, Zip Code: *Eau Claire, WI 54902*

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

April 2011 Soil Boring Information
(From 2014 FR)

Route To: Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-64	
Boring Drilled By (Firm name and name of crew chief) Bourt Longyear - P. Dickinson		Date Drilling Started 11/6/2002	Date Drilling Completed 11/6/2002	Drilling Method 4 1/4" HSA	
WI Unique Well No.	DNR Well ID No.	Common Well Name TB-64	Final Static Water Level 878.2 Feet MSL	Surface Elevation 919.2 Feet MSL	Borehole Diameter 8.0 Inches
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W			Local Grid Location (If applicable) Lat. _____ " <input checked="" type="checkbox"/> N <input type="checkbox"/> E Long. _____ " <input type="checkbox"/> S <input type="checkbox"/> W 3000.711 Feet <input type="checkbox"/> S 1847.676 Feet <input type="checkbox"/> W		
Facility ID 618045450	County Eau Claire	County Code 18	Civil Town/City/ or Village Town of Seymour		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 SS	24 20	13 11 12 16	2	Yellow brown fine sand, some silt 10YR5/6	SP-SM					M				Alluvium
2 SS	24 17	6 8 7 7	6	Yellow brown fine sand, some silt 10YR5/6	SP-SM					M				Alluvium
3 SS	24 18	7 9 12 12	10	Yellow brown fine sand, some silt 10YR5/6	SP-SM					M				Alluvium
			12	Brown silt lense at 11.8' Yellow brown fine sand, some silt 10YR5/6	ML SP-SM									
4 SS	24 20	12 12 13 16	16	Yellow brown fine sand, some silt 10YR5/6	SP-SM					M				Alluvium
5 SS	24 19	15 12 22 31	20	Pale brown fine sand, some silt 10YR6/3	SP-SM					M				Alluvium

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Frank Manner Firm Ayres Associates

Boring Number TB-64

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD Comments
Number and Type	Length Att & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
6 SS	24 16	20 19 36 47	26	Light yellow brown fine sand, some silt 10YR6/4	SP-SM				M				Alluvium	
7 SS	6 2	50/3	30	White friable sandstone with poorly cemented sandstone fragments 10YR8/1					M				Residual	
8 SS	12 6	47 50/4	36	Light gray friable sandstone, few poorly cemented sandstone chips 10YR7/2					M				Residual	
9 SS	6 8	50/4	40	Light gray friable sandstone, trace poorly cemented sandstone chips 10YR7/2					W				Residual	
10 SS	24 11	7 5 7 24	46	Very pale brown friable sandstone 10YR7/3					W				Residual	
11 SS	6 4	50/4	50	Very pale brown friable sandstone, few poorly cemented sandstone chips 10YR7/3					W				Residual	
12 SS	6 3	50/3	54	White friable sandstone 10YR8/2					W				Residual	
				End of Boring at 55.4' (elevation = 863.8); Boring backfilled with 350 gallons of Bentonite-Cement Grout										



midwest engineering services, inc.

SOIL BORING LOG: TB - 64

Page 1 of 2

Project: 7-Mile Creek Landfill
 Location: Eau Claire, Wisconsin

Project No.: 4-13213
 Drill Date: March 2, 2011
 Drilled by: JB

DEPTH/EL. (feet)	VISUAL SOIL CLASSIFICATION GROUND SURFACE ELEVATION: 919.2	SAMPLE NO.	N (bpf)	Qp (tsf)	Qu (tsf)	MC (%)	REMARKS
1	918.2						
2	917.2						
3	916.2						
4	915.2						
5	914.2						
6	913.2						
7	912.2						
8	911.2						
9	910.2						
10	909.2						
11	908.2						
12	907.2						
13	906.2						
14	905.2						
15	904.2						
16	903.2						
17	902.2						
18	901.2						
19	900.2						
20	899.2						
21	898.2						
22	897.2						
23	896.2						
24	895.2						
25	894.2						
26	893.2						
27	892.2						
28	891.2						
29	890.2						
30	889.2						
31	888.2						
32	887.2						
33	886.2						
34	885.2						
35	884.2						
36	883						
37	882.2						
38	881						
39	880						
40	879						
41	878						
42	877						

Drilled without sampling

▼

WATER LEVEL OBSERVATIONS: During drilling: 50± feet (EL 869.2±) (▼) Upon completion: 39.2± feet (EL 880.0±) (▼) Depth/Delay: N/A Caved at: 62± feet (EL 857.2±)	ADDITIONAL COMMENTS:
--	-----------------------------

Note: Lines of stratification represent an approximate boundary between soil types. Variations may occur between sampling intervals and/or boring locations. Transitions may also be gradual. Dashed lines are indicative of potentially erratic or unknown transitions, such as fill-to-natural soil zone transitions.



midwest engineering services, inc.

SOIL BORING LOG: TB - 64

Page 2 of 2

Project: 7-Mile Creek Landfill
 Location: Eau Claire, Wisconsin

Project No.: 4-13213
 Drill Date: March 2, 2011
 Drilled by: JB

DEPTH/EL. (feet)	VISUAL SOIL CLASSIFICATION	SAMPLE NO.	N (bpf)	Qp (tsf)	Qu (tsf)	MC (%)	REMARKS
GROUND SURFACE ELEVATION: 919.2							
43 876.2	Drilled without sampling						
44 875.2							
45 874.2							
46 873.2							
47 872.2							
48 871.2	Light brown SAND, little sandstone fragments, trace silt, wet (Possible weathered sandstone) (SP-SM)	1-SS	1			21	
49 870.2							
50 869.2							
51 868.2							
52 867.2							
53 866.2	Light brown to light gray weathered SANDSTONE (SP-SM)	2-SS	50/4"			14	
54 865.2							
55 864.2							
56 863.2							
57 862.2							
58 861.2							
59 860.2							
60 859.2							
61 858.2							
62 857.2							
63 856.2	Light brown to light gray weathered SANDSTONE (SP-SM)	3-SS	50/2.5"			17	
64 855.2							
65 854.2							
66 853.2							
67 852.2							
68 851.2							
69 850.2							
70 849.2							
71 848.2							
72 847.2							
73 846.2	END OF BORING @ 77± FEET	4-SS	50/5.5"			15	
74 845.2							
75 844.2							
76 843.2							
77 842.2							
78 841.2	END OF BORING @ 77± FEET	5-SS	50/3.5"			14	
79 840.2							
80 839.2							
81 838							
82 837							
		6-SS	100/4"			11	

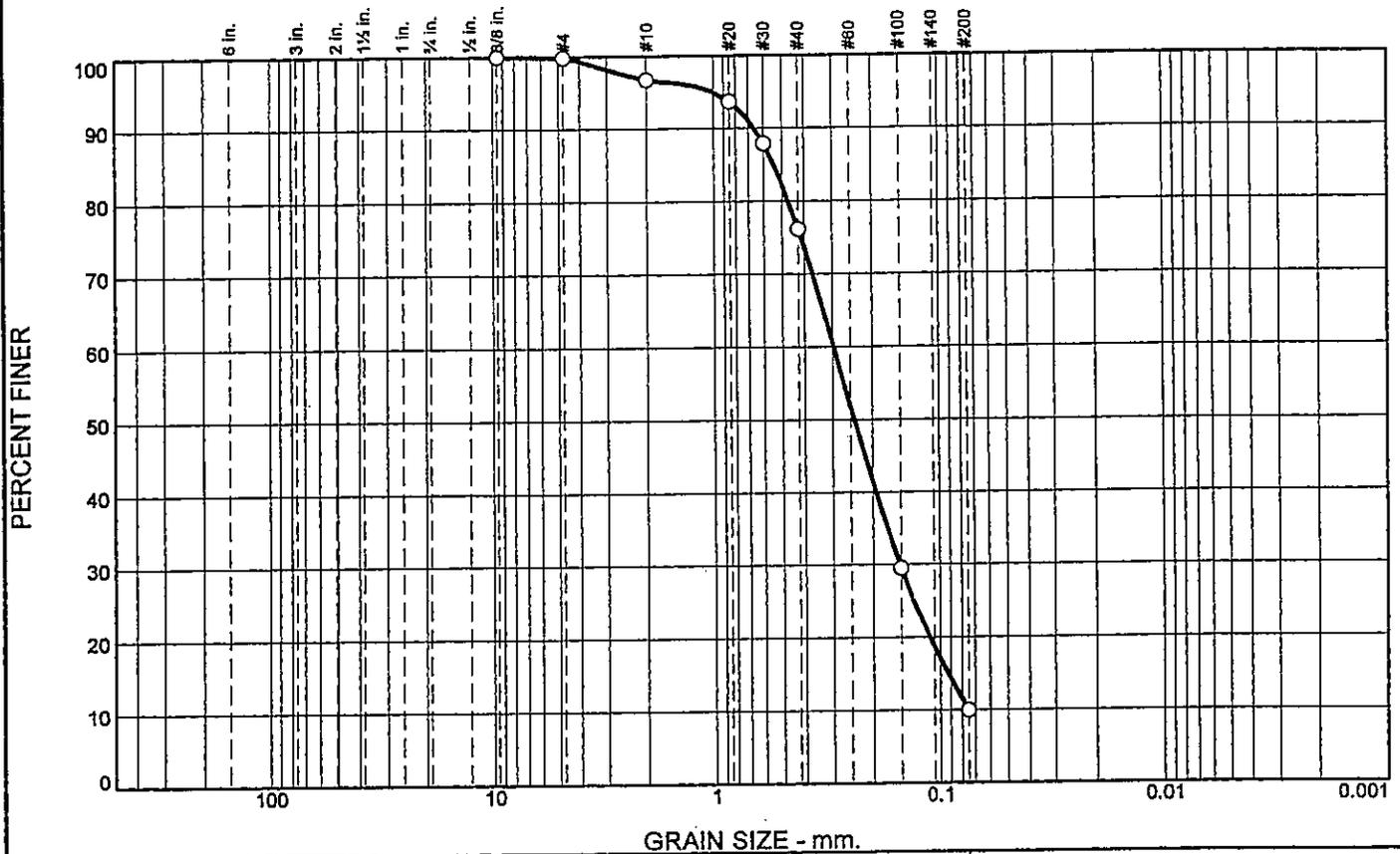
WATER LEVEL OBSERVATIONS:

During drilling: 50± feet (EL 869.2±) (▼)
 Upon completion: 39.2± feet (EL 880.0±) (▼)
 Depth/Delay: N/A
 Caved at: 62± feet (EL 857.2±)

ADDITIONAL COMMENTS:

Note: Lines of stratification represent an approximate boundary between soil types. Variations may occur between sampling intervals and/or boring locations. Transitions may also be gradual. Dashed lines are indicative of potentially erratic or unknown transitions, such as fill-to-natural soil zone transitions.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.2	3.1	20.6	66.1	10.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8"	100.0		
#4	99.8		
#10	96.7		
#20	93.7		
#30	87.9		
#40	76.1		
#100	29.5		
#200	10.0		

Material Description

Light brown sand, little sandstone fragments, trace silt
(Possible weathered sandstone)

Atterberg Limits

PL= LL= PI=

Coefficients

D₈₅= 0.5411 D₆₀= 0.2969 D₅₀= 0.2407
D₃₀= 0.1520 D₁₅= 0.0923 D₁₀= 0.0751
C_u= 3.95 C_c= 1.04

Classification

USCS= SP-SM AASHTO= A-3

Remarks

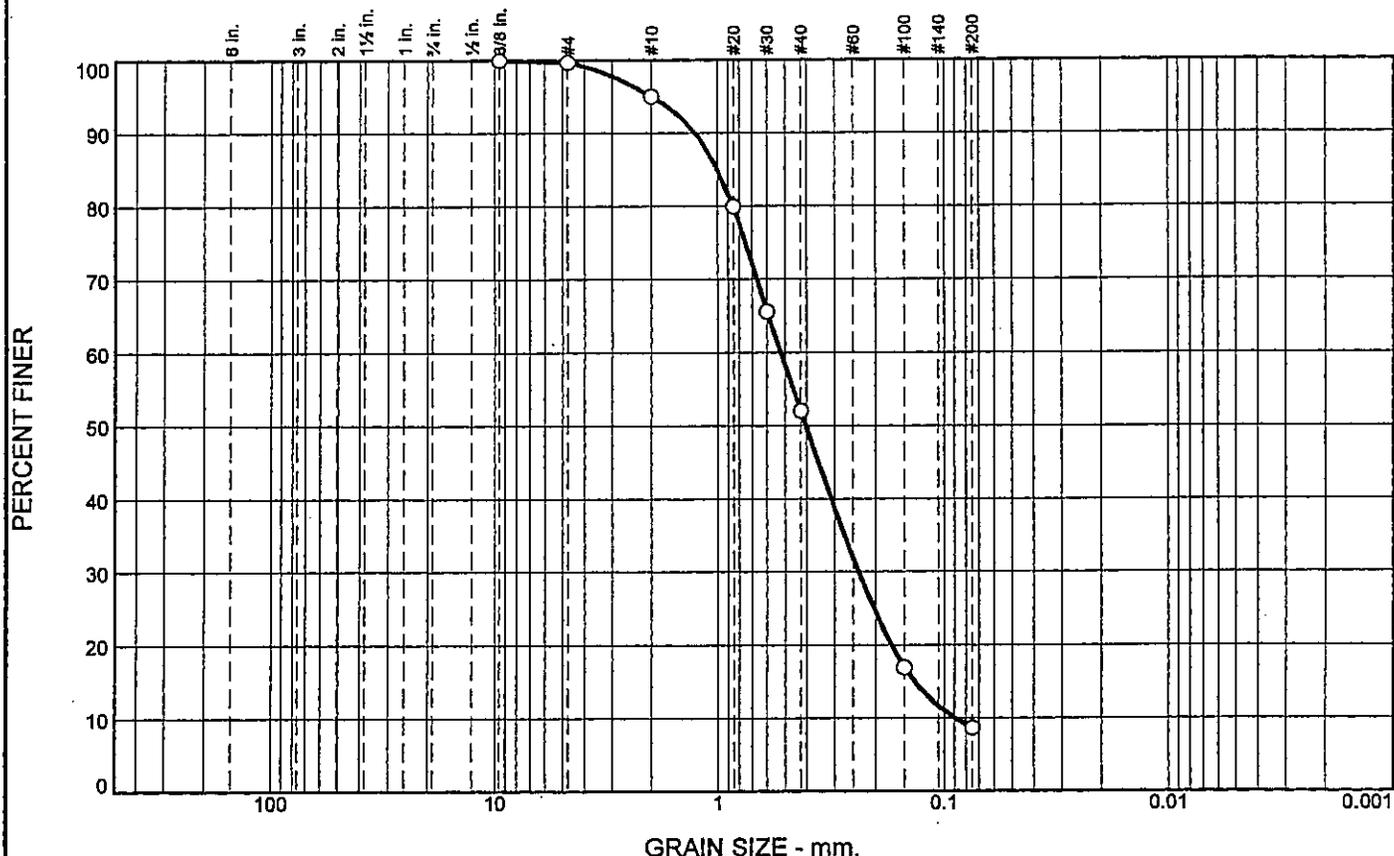
Non-Plastic

* (no specification provided)

Sample Number: TB-64 Depth: 50 to 55' Date: 4-7-11
Source of Sample: Soil Borings

<p>Midwest Engineering Services</p> <p style="text-align: center;">Waukesha, Wisconsin</p>	<p>Client: Ayres Associates Project: 7-Mile Creek Landfill Eau Claire, Wisconsin Project No: 4-13213</p>
<p>Figure 1</p>	

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.4	4.6	43.0	43.4	8.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8"	100.0		
#4	99.6		
#10	95.0		
#20	80.0		
#30	65.6		
#40	52.0		
#100	16.9		
#200	8.6		

Material Description

Light brown to light gray weathered sandstone

Atterberg Limits

PL= LL= PI=

Coefficients

D₈₅= 1.0008 D₆₀= 0.5223 D₅₀= 0.4032
 D₃₀= 0.2371 D₁₅= 0.1355 D₁₀= 0.0893
 C_u= 5.85 C_c= 1.20

Classification

USCS= SP-SM AASHTO= A-3

Remarks

Non-Plastic

* (no specification provided)

Sample Number: TB-64 Source of Sample: Soil Borings Depth: 55 to 77' Date: 4-7-11

Midwest Engineering Services Waukesha, Wisconsin	Client: Ayres Associates Project: 7-Mile Creek Landfill Eau Claire, Wisconsin Project No: 4-13213
Figure 2	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location 7-Mile Creek Landfill - Eau Claire	County Eau Claire	Original Well Owner (If Known)	
<input type="checkbox"/> E NE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8 <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Veolia Environmental Services	
Gov't Lot	Grid Number	Street or Route 8001 Olson Drive	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S. ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, Wisconsin 54703	
Civil Town Name Eau Claire	Facility Well No. and/or Name (If Applicable) TB-64		WI Unique Well No.
Street Address of Well		Reason for Abandonment Exploratory Borehole	
City, Village Town of Seymour, WI		Date of Abandonment 3-2-11	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 3/2/11 <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Other (Specify) _____ Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) 77.0 Casing Diameter (in.) 8.25" (From Groundsurface) Casing Depth (ft.) 77.0 Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		(4) Depth to Water (Feet) 50.0 Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If No, Explain Auger Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
		(6) Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand - Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay - Sand Slurry <input type="checkbox"/> Bentonite - Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Number of			Mix Ratio or Mud Weight
			<input type="checkbox"/> Yards	<input checked="" type="checkbox"/> Sacks	<input type="checkbox"/> Vol.	
Native Soil Patch	Surface	0.5				
3/8 inch Bentonite Chips	0.5	77.0		38		

(8) Comments:

Name of Person or Firm Doing Sealing Work Midwest Engineering Services, Inc.	
Signature of Person Doing Work 	Date Signed 3-10-11
Street or Route 12839 30 th Avenue, Suite A	Telephone Number (715) 738-2770
City, State, Zip Code Chippewa Falls, WI 54729	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx - Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-66	
Boring Drilled By (Firm name and name of crew chief) Bourl Longyear - M. Mueller		Date Drilling Started 11/13/2002		Date Drilling Completed 11/13/2002	
Drilling Method 4 1/4" BSA		Final Static Water Level 871.3 Feet MSL		Surface Elevation 910.3 Feet MSL	
Well Unique Well No.	DNR Well ID No.	Common Well Name TB-66		Borehole Diameter 8.0 Inches	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W			Local Grid Location (If applicable) Lat. _____ N <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> Long. _____ S <input type="checkbox"/> W <input type="checkbox"/>		
Facility ID 618045450		County Eau Claire	County Code 18	Civil Town/City/ or Village Town of Seymour	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GS	24		0	Topsoil										Alluvium
			2	Very dark brown silt with fine sand 10YR2/2	SM									
2 SS	24 19	8 9 6 8	4	Pale brown fine sand, some silt 10YR6/3	SP-SM					M				Alluvium
3 SS	24 18	7 11 12 15	8	Very pale brown fine sand, some silt 10YR7/4	SP-SM					M				Alluvium
4 SS	24 16	6 17 18 22	14	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium
5 SS	24 17	6 14 20 23	20	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Frank Maenner* Firm Ayres Associates



midwest engineering services, inc.

SOIL BORING LOG: TB - 66

Page 1 of 2

Project: 7-Mile Creek Landfill
 Location: Eau Claire, Wisconsin

Project No.: 4-13213
 Drill Date: March 3, 2011
 Drilled by: JB

DEPTH/EL. (feet)	VISUAL SOIL CLASSIFICATION GROUND SURFACE ELEVATION: 911.0	SAMPLE NO.	N (bpf)	Qp (tsf)	Qu (tsf)	MC (%)	REMARKS
1	910						
2	909						
3	908						
4	907						
5	906						
6	905						
7	904						
8	903						
9	902						
10	901						
11	900						
12	899						
13	898						
14	897						
15	896						
16	895						
17	894						
18	893						
19	892						
20	891						
21	890						
22	889						
23	888						
24	887						
25	886						
26	885						
27	884						
28	883						
29	882						
30	881						
31	880						
32	879						
33	878						
34	877						
35	876						
36	875						
37	874						
38	873						
39	872						
40	871						
41	870						
42	869						

Drilled without sampling

▼

WATER LEVEL OBSERVATIONS: During drilling: 48± feet (EL 863.0±) (▼) Upon completion: 38.3± feet (EL 872.7±) (▼) Depth/Delay: N/A Caved at: 40± feet (EL 871.0±)	ADDITIONAL COMMENTS:
--	-----------------------------

Note: Lines of stratification represent an approximate boundary between soil types. Variations may occur between sampling intervals and/or boring locations. Transitions may also be gradual. Dashed lines are indicative of potentially erratic or unknown transitions, such as fill-to-natural soil zone transitions.



midwest engineering services, inc.

SOIL BORING LOG: TB - 66

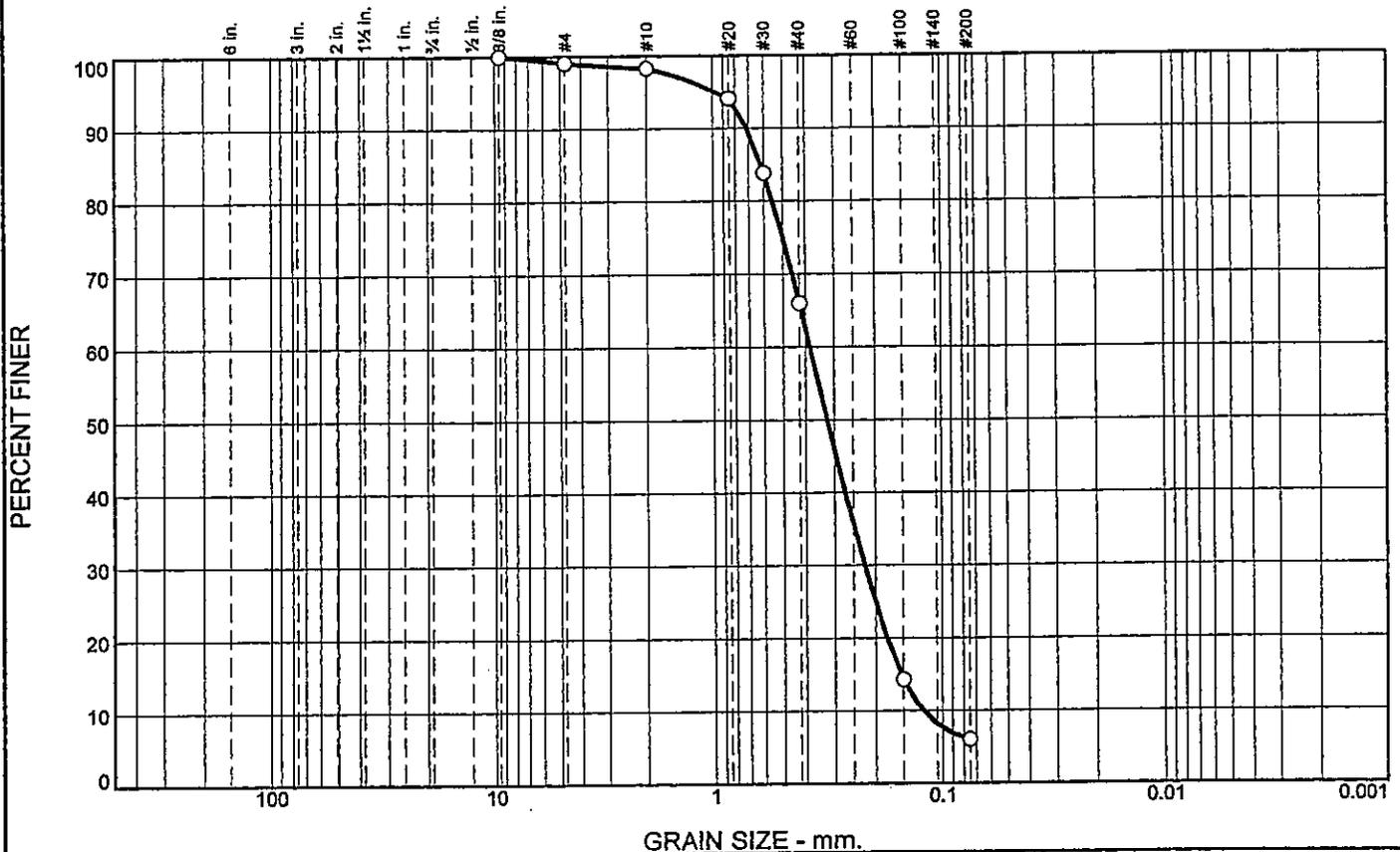
Project: 7-Mile Creek Landfill
 Location: Eau Claire, Wisconsin

Project No.: 4-13213
 Drill Date: March 3, 2011
 Drilled by: JB

DEPTH/EL. (feet)	VISUAL SOIL CLASSIFICATION GROUND SURFACE ELEVATION: 911.0	SAMPLE NO.	N (bpf)	Qp (tsf)	Qu (tsf)	MC (%)	REMARKS
43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82	868 867 866 865 864 863 862 861 860 859 858 857 856 855 854 853 852 851 850 849 848 847 846 845 844 843 842 841 840 839 838 837 836 835 834 833 832 831 830 829						
	Drilled without sampling						
		1-SS	1			20	▼
		2-SS	6			16	
		3-SS	34			17	
	Light brown SAND, occasional sandstone fragments, trace silt, wet (Possible weathered sandstone) (SP-SM)	4-SS	18			18	
		5-SS	21			18	
		6-SS	53			15	
	END OF BORING @ 72± FEET						
WATER LEVEL OBSERVATIONS: During drilling: 48± feet (EL 863.0±) (▼) Upon completion: 38.3± feet (EL 872.7±) (▼) Depth/Delay: N/A Caved at: 40± feet (EL 871.0±)		ADDITIONAL COMMENTS:					

Note: Lines of stratification represent an approximate boundary between soil types. Variations may occur between sampling intervals and/or boring locations. Transitions may also be gradual. Dashed lines are indicative of potentially erratic or unknown transitions, such as fill-to-natural soil zone transitions.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.9	0.8	32.3	60.0	6.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/8"	100.0		
#4	99.1		
#10	98.3		
#20	94.1		
#30	83.8		
#40	66.0		
#100	14.3		
#200	6.0		

Material Description

Light brown sand, occasional sandstone fragments, trace silt (Possible weathered sandstone)

Atterberg Limits

PL= LL= PI=

Coefficients

D₈₅= 0.6177 D₆₀= 0.3831 D₅₀= 0.3226
 D₃₀= 0.2231 D₁₅= 0.1535 D₁₀= 0.1227
 C_u= 3.12 C_c= 1.06

Classification

USCS= SP-SM AASHTO= A-3

Remarks

Non-Plastic

* (no specification provided)

Sample Number: TB-66 Source of Sample: Soil Borings Depth: 48 to 72' Date: 4-7-11

Midwest Engineering Services	Client: Ayres Associates
	Project: 7-Mile Creek Landfill Eau Claire, Wisconsin
Waukesha, Wisconsin	Project No: 4-13213 Figure 3

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location 7-Mile Creek Landfill - Eau Claire	County Eau Claire	Original Well Owner (If Known)	
NE 1/4 of SE 1/4 of Sec. 8 ; T. 27 N; R. 8 <input type="checkbox"/> E (If Applicable) <input checked="" type="checkbox"/> W		Present Well Owner Veolia Environmental Services	
Gov't Lot	Grid Number	Street or Route 8001 Olson Drive	
Grid Location R. <input type="checkbox"/> N. <input type="checkbox"/> S. R. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, Wisconsin 54703	
Civil Town Name Eau Claire		Facility Well No. and/ or Name (If Applicable) TB-66	WI Unique Well No.
Street Address of Well		Reason for Abandonment Exploratory Borehole	
City, Village Town of Seymour, WI		Date of Abandonment 3-3-11	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 3/3/11		(4) Depth to Water (Feet) 48.0	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If No, Explain	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Other (Specify)	<input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug	Auger Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)		
Total Well Depth (ft.) 72.0 Casing Diameter (in.) 8.25" (From Groundsurface)	(6) Sealing Materials For monitoring wells and monitoring well boreholes only		
Casing Depth (ft.) 72.0	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand - Cement (Concrete) Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Concrete <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Clay - Sand Slurry <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Bentonite - Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite		
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Number of			Mix Ratio or Mud Weight
			<input type="checkbox"/> Yards	<input checked="" type="checkbox"/> Sacks	<input type="checkbox"/> Vol.	
Native Soil Patch	Surface	0.5				
3/8 inch Bentonite Chips	0.5	72.0		36		

(8) Comments:

Name of Person or Firm Doing Sealing Work Midwest Engineering Services, Inc.	
Signature of Person Doing Work 	Date Signed 3-10-11
Street or Route 12839 30 th Avenue, Suite A	Telephone Number (715) 738-2770
City, State, Zip Code Chippewa Falls, WI 54729	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-67	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller			Date Drilling Started 11/12/2002	Date Drilling Completed 11/12/2002	Drilling Method 4 1/4" HSA
WI Unique Well No.	DNR Well ID No.	Common Well Name TB-67	Final Static Water Level 875.2 Feet MSL	Surface Elevation 910.2 Feet MSL	Borehole Diameter 8.0 Inches
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W			Local Grid Location (If applicable) Lat. _____ ° _____ ' _____ " <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E Long. _____ ° _____ ' _____ " <input type="checkbox"/> S 3305.36 Feet <input type="checkbox"/> S 1399.787 Feet <input type="checkbox"/> W		
Facility ID 618045450	County Eau Claire	County Code 18	Civil Town/City/ or Village Town of Seymour		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GS	24		0-2	Topsoil										Alluvium
				Yellow brown fine sand, some silt 10YR5/4	SP-SM									
2 SS	24 19	3 5 7 13	4-6	Light yellow brown silt with fine sand 10YR6/4	SM					M			Alluvium	
				6" Brown silt with clay lense at 5'	ML									
				Light yellow brown silt with fine sand 10YR6/4	SM									
3 SS	24 20	4 9 9 10	10-12	Yellow brown silt with fine sand 10YR5/4	SM					M			Alluvium	
				2" brown silt with clay lense at 10'	ML									
				Yellow brown silt with fine sand 10YR5/4	SM									
4 SS	24 20	5 14 26 27	14-16	Pale brown silt with fine sand 10YR6/3	SM					M			Alluvium	
5 SS	24 18	9 12 30 38	20-22	Pale brown fine sand, some silt 10YR6/3						M			Alluvium	
					SP-SM									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Frank Mueller* Firm Ayres Associates Te
Fax

Boring Number **TB-67** Use only as an attachment to Form 4400-122. Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
6 SS	24 16	8	26	Pale brown fine sand, some silt 10YR6/3	SP-SM								Alluvium	
		17												30
7 SS	24 16	9	30	Very pale brown fine sand, some silt 10YR7/3	SP-SM								Alluvium	
		16												23
8 SS	24 15	13	36	Pale brown fine sand, some silt 10YR6/3	SP-SM								Alluvium	
		16												30
9 SS	24 13	3	40	Light yellow brown fine sand, some silt, little medium sand 10YR6/4	SP-SM								Alluvium	
		7												12
10 SS	24 14	9	46	Light yellow brown fine sand, some silt, trace friable sandstone chips 10YR6/4									Residual	
		7												7
11 SS	24 16	3	50	Pale brown fine sand, some silt, trace poorly cemented sandstone chips 10YR6/3									Residual	
		6												9
12 SS	24 12	4	56	Pale brown fine sand, some silt, trace coarse sand 10YR6/3									Residual	
		7												9
				End of Boring at 56' (elevation = 854.2); Boring backfilled with 3/8" bentonite chips										



midwest engineering services, inc.

SOIL BORING LOG: TB - 67

Page 1 of 2

Project: 7-Mile Creek Landfill
 Location: Eau Claire, Wisconsin

Project No.: 4-13213
 Drill Date: March 3, 2011
 Drilled by: JB

DEPTH/EL. (feet)		VISUAL SOIL CLASSIFICATION GROUND SURFACE ELEVATION: 910.4	SAMPLE NO.	N (bpf)	Qp (tsf)	Qu (tsf)	MC (%)	REMARKS	
1	909.4								
2	908.4								
3	907.4								
4	906.4								
5	905.4								
6	904.4								
7	903.4								
8	902.4								
9	901.4	Drilled without sampling							
10	900.4								
11	899.4								
12	898.4								
13	897.4								
14	896.4								
15	895.4								
16	894.4								
17	893.4								
18	892.4								
19	891.4								
20	890.4								
21	889.4								
22	888.4								
23	887.4								
24	886.4								
25	885.4								
26	884.4								
27	883.4								
28	882.4								
29	881.4								
30	880.4								
31	879.4								
32	878.4								
33	877.4								
34	876.4								
35	875.4								
36	874								
37	873.4								
38	872								
39	871								
40	870								
41	869								
42	868								
WATER LEVEL OBSERVATIONS: During drilling: 51± feet (EL 859.4±) (▼) Upon completion: None Observed Depth/Delay: N/A Caved at: 36.5± feet (EL 873.9±)			ADDITIONAL COMMENTS: -No groundwater observed in borehole upon completion.						

Note: Lines of stratification represent an approximate boundary between soil types. Variations may occur between sampling intervals and/or boring locations. Transitions may also be gradual. Dashed lines are indicative of potentially erratic or unknown transitions, such as fill-to-natural soil zone transitions.



midwest engineering services, inc.

SOIL BORING LOG: TB - 67

Page 2 of 2

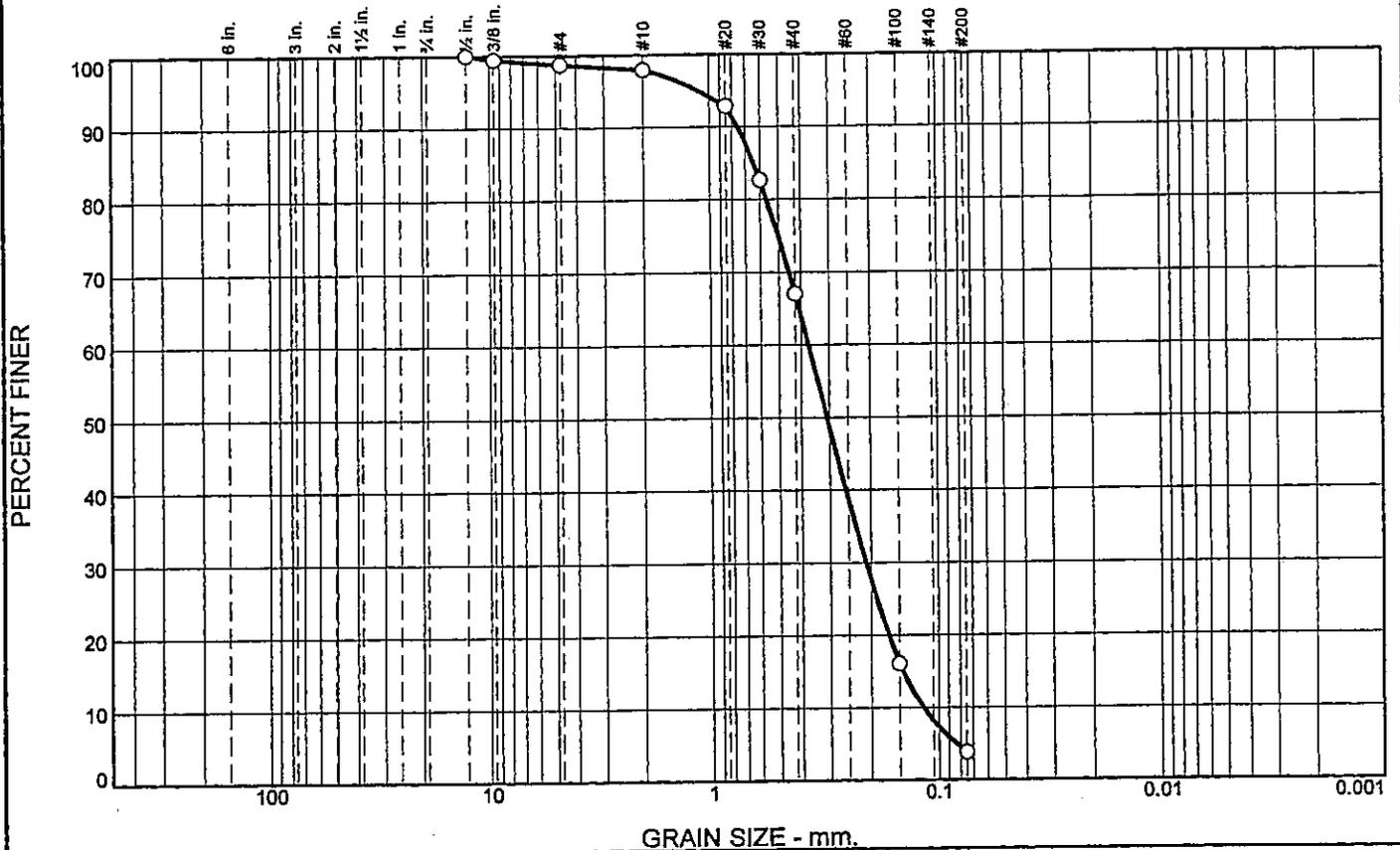
Project: 7-Mile Creek Landfill
 Location: Eau Claire, Wisconsin

Project No.: 4-13213
 Drill Date: March 3, 2011
 Drilled by: JB

DEPTH/EL. (feet)	VISUAL SOIL CLASSIFICATION	SAMPLE NO.	N (bpf)	Qp (tsf)	Qu (tsf)	MC (%)	REMARKS
GROUND SURFACE ELEVATION: 810.4							
43	867.4						
44	866.4						
45	865.4						
46	864.4						
47	863.4						
48	862.4						
49	861.4						
50	860.4						
51	859.4						
52	858.4	1-SS	30			15	
53	857.4						
54	856.4						
55	855.4						
56	854.4	2-SS	23			16	
57	853.4						
58	852.4						
59	851.4						
60	850.4						
61	849.4	3-SS	22			16	
62	848.4						
63	847.4						
64	846.4						
65	845.4						
66	844.4	4-SS	29			17	
67	843.4						
68	842.4						
69	841.4						
70	840.4						
71	839.4	5-SS	38			20	
72	838.4						
END OF BORING @ 72± FEET							
73	837.4						
74	836.4						
75	835.4						
76	834.4						
77	833.4						
78	832.4						
79	831.4						
80	830.4						
81	829						
82	828						
WATER LEVEL OBSERVATIONS:		ADDITIONAL COMMENTS:					
During drilling: 51± feet (EL 859.4±) (▼)		-No groundwater observed in borehole upon completion.					
Upon completion: None Observed							
Depth/Delay: N/A							
Caved at: 36.5± feet (EL 873.9±)							

Note: Lines of stratification represent an approximate boundary between soil types. Variations may occur between sampling intervals and/or boring locations. Transitions may also be gradual. Dashed lines are indicative of potentially erratic or unknown transitions, such as fill-to-natural soil zone transitions.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	1.3	0.7	30.9	63.3	3.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1/2"	100.0		
3/8"	99.5		
#4	98.7		
#10	98.0		
#20	92.9		
#30	82.6		
#40	67.1		
#100	16.1		
#200	3.8		

* (no specification provided)

Material Description

Light brown sand, occasional sandstone fragments, trace silt
(Possible weathered sandstone)

Atterberg Limits

PL= LL= PI=

Coefficients

D₈₅= 0.6399 D₆₀= 0.3711 D₅₀= 0.3087
D₃₀= 0.2108 D₁₅= 0.1448 D₁₀= 0.1180
C_u= 3.15 C_c= 1.02

Classification

USCS= SP AASHTO= A-3

Remarks

Non-Plastic

Sample Number: TB-67
Source of Sample: Soil Borings

Depth: 51 to 72'

Date: 4-7-11

Midwest Engineering Services

Client: Ayres Associates
Project: 7-Mile Creek Landfill
Eau Claire, Wisconsin

Waukesha, Wisconsin

Project No: 4-13213

Figure 4

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location 7-Mile Creek Landfill - Eau Claire	County Eau Claire	Original Well Owner (If Known)	
NE <u> </u> 1/4 of SE <u> </u> 1/4 of Sec. <u> 8 </u> ; T. <u> 27 </u> N; R. <u> 8 </u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W (If Applicable)		Present Well Owner Veolia Environmental Services	
Gov't Lot _____ Grid Number _____		Street or Route 8001 Olson Drive	
Grid Location r. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ r. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Eau Claire, Wisconsin 54703	
Civil Town Name Eau Claire		Facility Well No. and/ or Name (If Applicable) TB-67	WI Unique Well No.
Street Address of Well _____		Reason for Abandonment Exploratory Borehole	
City, Village Town of Seymour, WI		Date of Abandonment 3-3-11	

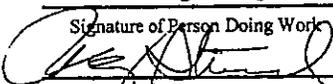
WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u> 3/3/11 </u>		(4) Depth to Water (Feet) <u> 51.0 </u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If No, Explain _____	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Other (Specify) _____	<input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug	Auger Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(5) Required Method of Placing Sealing Material	
Total Well Depth (ft.) <u> 72.0 </u> Casing Diameter (in.) <u> 8.25" </u> (From Groundsurface)		<input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
Casing Depth (ft.) <u> 72.0 </u> Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand - Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay - Sand Slurry <input type="checkbox"/> Bentonite - Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Number of		Mix Ratio or Mud Weight
			Yards	Sacks	
Native Soil Patch	Surface	0.5			
3/8 inch Bentonite Chips	0.5	72.0		36	

(8) Comments:

Name of Person or Firm Doing Sealing Work
Midwest Engineering Services, Inc.

Signature of Person Doing Work  Date Signed 3-10-11

Street or Route
12839 30th Avenue, Suite A Telephone Number
(715) 738-2770

City, State, Zip Code
Chippewa Falls, WI 54729

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

Additional Soil Boring Information
(From 2014 FR)

Department of Natural Resources
Route to:
 Solid Waste
 Emergency Response
 Waste Water

Haz. Waste
 Underground Tanks
 Water Resources
 Other

Facility/Project Name Superior Seven Mile Creek Landfill		License/Permit/Monitoring Num		Boring Number DH-4R	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear Mike Miller		Date Drilling Started 03/07/2002 M/D/Y	Date Drilling Completed 03/07/2002 M/D/Y	Drilling Method 4.25" I.D. HSA	
DNR Facility Well No.	WI Unique Well No. RB404	Common Well Nam	Final Static Water Level 855.5	Surface Elevation 904	Borehole Dia. 8.1 inches
Boring Location State Plane SW1/4, SE1/4, Sec 8 T 27N, R 8W		Lat.	Local Grid Location (If applicable)		
County Eau Claire		Long.	Feet <input type="checkbox"/> N <input type="checkbox"/> S	Feet <input type="checkbox"/> E <input type="checkbox"/> W	
		DNR County Code	Civil Town/City/or Village Town of Seymour		

SAMPLE NUMBER	LENGTH RECOVERED	BLOW COUNTS	DEPTH IN FEET	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	GRAPHIC LOG	WELL DIAGRAM	FID (field)	SOIL PROPERTIES					RDO/ COMMENT	
									STANDARD PENETRATION	MOISTURE CONTENT	LIQUID LIMIT	PLASTIC LIMIT	P-200		
1	24"	7 1 1 1	-0 -1	Black Topsoil with some root mater Fill Material											
2	24	25 total	-5 -6	Black Topsoil with trace sand Small piece of bark											
3	24"	2 4 4 5	-10 -11	Light medium brown sand	SP						Moist				
4	24"	2 5 5 6	-15 -16	Light medium brown sand, tr silt	SP						Moist				
5	20"	4 8 9 9	-20 -21	Light medium brown sand w/ yellow sand laminations	SP						Moist				
6	18"	3 7 8 9	-25 -26	Light medium brown sand	SP						Moist				

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature *[Handwritten Signature]* Firm **AYRES ASSOCIATES**

This form is authorized by Chapters 144.147 and 162, Wis.Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 or nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

SOIL BORING LOG INFORMATION (CONTINUED)
Form 4400-122 7-91

cont.

SAMPLE			DEPTH IN FEET	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	FIELD OBSERVATIONS				SOIL PROPERTIES					RDO/ comment
NUMBER	LENGTH RECOVERED (IN)	BLOW COUNT			USCS	GRAPHIC LOG	WELL DIAGRAM	FID (field)	STANDARD PENETRATION	MOISTURE CONTENT	LIQUID LIMIT	PLASTIC LIMIT	P-200	
7	24"	4 8 11 11	-27	Light medium brown sand	SP				Moist					
			-28											
			-29											
			-30											
			-31											
8	24"	5 7 3 15	-32	Light medium brown sand, tr sandstone fragments	SP				Moist					
			-33											
			-34											
			-35											
			-36											
9	24"	5 10 13 13	-37	As Above (A. A.)	SP				Moist					
			-38											
			-39											
			-40											
			-41											
10	24"	5 10 18 16	-42	A. A.	SP				Moist					
			-43											
			-44											
			-45											
			-46											
11	24"	4 6 8 14	-47	A. A.	SP				Wet					
			-48											
			-49											
			-50											
			-51											
-52														
-53														
-54														
-55														
-56														
-57														
-58														
-59														
-60														

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm
AYRES ASSOCIATES

This form is authorized by Chapters 144.147 and 162, Wis.Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 or nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx/Superior Seven Mile Creek Landfill LLC			License/Permit/Monitoring Number 000		Boring Number DH-11R	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Radke Boart Longyear			Date Drilling Started 8/16/2002		Date Drilling Completed 8/16/2002	Drilling Method hollow stem auger
WI Unique Well No. PE-151	DNR Well ID No.	Common Well Name DH-11R	Final Static Water Level Feet MSL		Surface Elevation Feet MSL	Borehole Diameter 8.0 inches
Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W			Lat _____ ' _____ "			<input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E
			Long _____ ' _____ "			<input type="checkbox"/> S <input type="checkbox"/> W

Facility ID		County Eau Claire	County Code 18	Civil Town/City/ or Village		
-------------	--	-----------------------------	--------------------------	-----------------------------	--	--

Number and Type	Length Att & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			3 6 9 12 15 18 21 24 27 30 33 36	Boring/well offset 12 feet south of DH-11; Blind drill to 48'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Frank Maenner</i>		Firm Ayres Associates		Tel: Fax:	
-----------------------------------	--	------------------------------	--	--------------	--

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx/Superior Seven Mile Creek Landfill LLC			License/Permit/Monitoring Number 000		Boring Number DH-42		
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Radke Boart Longyear			Date Drilling Started 9/24/2002		Date Drilling Completed 9/24/2002		
WI Unique Well No. PE-153		DNR Well ID No.	Common Well Name DH-42		Borehole Diameter 8.0 inches		
Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Final Static Water Level Feet MSL		Surface Elevation Feet MSL		
State Plane NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W			Lat _____° _____'		Local Grid Location <input type="checkbox"/> N <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> S <input type="checkbox"/> W		
Facility ID		County Eau Claire		County Code 18		Civil Town/City/ or Village	

Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			3	Boring/well offset 4' west of DH-42A; Blind drill to 50'; See DH-42A boring log for soil descriptions to 50'										
			6											
			9											
			12											
			15											
			18											
			21											
			24											
			27											
			30											
			33											
			36											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Frank Maermer</i>	Firm Ayres Associates	Tel: Fax:
-----------------------------------	---------------------------------	--------------

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 used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Onyx/Superior Seven Mile Creek Landfill LLC			License/Permit/Monitoring Number 000		Boring Number DH-42A	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Radke Boart Longyear			Date Drilling Started 9/23/2002		Date Drilling Completed 9/24/2002	
WI Unique Well No. PE 152		DNR Well ID No.	Common Well Name DH-42A		Final Static Water Level Feet MSL	
				Surface Elevation Feet MSL		Borehole Diameter 6.0 inches
Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W			Lat _____ ' _____ "			<input type="checkbox"/> N <input checked="" type="checkbox"/> E
			Long _____ ' _____ "			246.67 Feet <input checked="" type="checkbox"/> S 32.78 Feet <input type="checkbox"/> W
Facility ID		County Eau Claire		County Code 18		Civil Town/City/ or Village

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 SS	24 18	8 10 13 24	3 6	Yellow fine sand, little silt (10YR7/6)	SP									
2 SS	24 20	8 8 9 12	9 12	Strong brown fine sand, some silt (7.5YR5/6)	SP-SM									
3 SS	24 22	10 12 12 14	15 18	Pale brown fine sand w/ silt (10YR6/3)	SM									
4 SS	24 18	12 14 16 24	21 24	Light brown gray fine sand w/ silt (10YR6/2)	SM									
5 SS	24 20	10 10 14 14	27	Yellow brown fine sand w/ Silt (10YR5/4)	SM									
6 SS	24 21	20 28 32 36	30 33	Dark yellow brown silt, some clay, little fine sand (10YR4/4) Yellow brown fine sand w/ silt (10YR5/4)	ML SM									
			36		ML									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Frank M...</i>	Firm Ayres Associates	Tel: Fax:
--------------------------------	---------------------------------	--------------

Boring Number **DH-42A** Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
7	SS	24	8	Dark yellow brown silt, some clay, some fine sand (10YR4/4)	SM									
		22	10											
8	SS	24	12	Light yellow brown very fine sand w/ silt (10YR6/4)	SM									
		23	14											
9	SS	24	10	Very pale brown fine sand, some silt	SP-SM									
		20	28											
			36											
			42											
			48											
			16	Light brown gray very fine sand, some silt (10YR 6/2)	SM									
10	SS	24	20											
		22	45											
			24											
			48											
			32	Yellow brown fine sand, some silt (10YR5/4)	SP-SM									
11	SS	24	36											
		18	51											
			10											
			10											
			14											
			18											
			54	Yellow brown fine sand, e silt, trace m - c sand (10YR5/4)	SP-SM									
12	SS	24	6											
		20	8											
			10											
			12											
			57											
			60	Dark yellow brown fine sand, some m - c sand (10YR3/6)	SP									
13	SS	24	8											
		20	12											
			14											
			16											
			63											
			66	Gray brown fine sand, some silt (10YR5/2)	SP-SM									
14	SS	24	14											
		16	14											
			20											
			22											
			69	Dark gray fine sand w/ silt (10YR4/1)	SM									
15	SS	24	12											
		16	14											
			17											
			72											
			24											
			75	Gray fine sand some silt (10YR6/1)	SP-SM									
16	SS	24	10.13											
		16	20											
			20											
			78	Dark yellow brown silt w/ fine sand (10YR4/4)	ML									
17	SS	24	12											
		15	15											
			21											
			19											
				Boring Terminated at 83' : Well set at 82' w/ 5' screened interval										

Additional Soil Boring Logs

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

SES Project Number **507.24**

Facility/Project Name Seven Mile Creek Landfill, 8001 Olson Drive		License/Permit/Monitoring Number		Boring Number GP 10	
Boring Drilled By: Name of crew chief (first, last) and Firm Kevin Z. Hargis Soils & Engineering Services, Inc.		Date Drilling Started April 27, 2016		Date Drilling Completed April 27, 2016	
WI Unique Well No.		DNR Well ID No.		Common Well Name GP 10	
Final Static Water Level 884.6 Feet		Surface Elevation 925.6 Feet		Borehole Diameter 7.6 in	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane _____ ft. N, _____ ft. E. S / C / N			Lat _____		
_____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ E / W			Long _____		
Facility ID		County Dane		County Code 13	
Civil Town/City/ or Village City of Eau Claire in the Civil Township of Seymour					

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Readings	Soil Properties						RQD/ Comments
									Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200		
Total Depth = 47'-0"															
			1	SAND WITH SILT — dark brown, TOPSOIL-[23" thick]											
			2	POORLY-GRADED SAND (SP) — fine grained, light brown, little silt											
			3												
1	18	5	4		SP										
		6	5	POORLY-GRADED SAND (SP) — fine grained, brown, clayey											
		4	6												
			7		SP										
			8												
			9	CLAYEY SAND (SC) — fine grained, medium plasticity fines, gray											
2	12	6	10		SC										
		8	11												
		9	12	SANDSTONE — slightly to moderately weathered, white											
			13												
			14	SANDSTONE — slightly to moderately weathered, white											
3	11	30	15	Firmer drilling, 13'-6" to 17'-0"											
	10	70/5"													

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Craig M. Bower Firm **Soils & Engineering Services, Inc.** Tel: 608-274-7600
1102 Stewart Street Madison, Wisconsin 53713 Fax: 608-274-7511

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 used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Facility/Project Name **Seven Mile Creek Landfill, 8001 Olson Drive**

SES Project Number **507.24**

Boring Number **GP 10**

Use only as an attachment to Form 4400-122.

Page **2** of **3**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Readings	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			16	SANDSTONE — <i>slightly to moderately weathered, white</i> (continued)										
			17	SANDSTONE — <i>slightly to moderately weathered, reddish-brown, silty</i>										
			18	Firmer drilling, 17'-0" to 18'-0"										
4	12 10	60 40	19	SANDSTONE — <i>slightly to moderately weathered, white</i>										
			20											
			21											
			22											
			23											
5	12 2	19 1/4" 8 1/2"	24											
			25											
			26											
			27											
			28											
6	3 2	100/3"	29											
			30	Very hard drilling, 30'-0" to 30'-2"										
			31											
			32											
			33	Very hard drilling, 33'-0" to 33'-2"										
7	2 1	100/1.5" 00/1.5"	34											
			35											
			36											
			37											
			38	Hard drilling, 38'-0" to 47'-0"										
8	2 1	100/1.5" 00/1.5"	39											

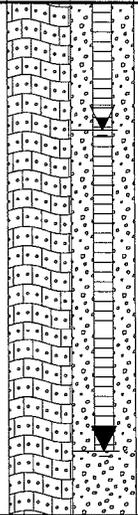
Facility/Project Name **Seven Mile Creek Landfill, 8001 Olson Drive**

SES Project Number **507.24**

Boring Number **GP 10**

Use only as an attachment to Form 4400-122.

Page **3** of **3**

Sample				Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Readings	Soil Properties						RQD/ Comments
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet						Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			40 41 42 43 44 45 46 47	SANDSTONE — <i>slightly to moderately weathered, white</i> (continued)											
			48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	NOTES 1. The Legend Record is considered a part of the WDNR Soil Boring Log Information form(s) for Boring GP 10.											

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

SES Project Number **507.24**

Facility/Project Name Seven Mile Creek Landfill, 8001 Olson Drive		License/Permit/Monitoring Number		Boring Number GP 11	
Boring Drilled By: Name of crew chief (first, last) and Firm Kevin E. Frome Soils & Engineering Services, Inc.		Date Drilling Started April 27, 2016		Date Drilling Completed April 28, 2016	
WI Unique Well No.		DNR Well ID No.		Common Well Name GP 11	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Final Static Water Level		Surface Elevation 927.1 Feet	
State Plane _____ ft. N, _____ ft. E. S / C / N		I. at _____		Borehole Diameter 7.6 in	
_____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ E / W		Long _____		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane		County Code 13	
				Civil Town/City/ or Village City of Eau Claire in the Civil Township of Seymour	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID Readings	Soil Properties					RQD/ Comments
									Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	SILTY SAND — fine grained, dark brown, TOPSOIL -[18" thick]										
			2	brown, FILL TOPSOIL , with tan fine sand-[30" thick]										
1	18 16	4 2 3	4	POORLY-GRADED SAND (SP) — fine grained, brown										
			5		SP									
			6											
			7											
			8	LEAN CLAY (CL) — medium plasticity, brown										
2	18 16	2 3 5	9		CL				1.2 3.2					
			10											
			11	POORLY-GRADED SAND (SP) — fine grained, brown										
			12		SP									
			13											
			14											
3	18 16	6 6 8	15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Craig M. Bower Firm **Soils & Engineering Services, Inc.** Tel: 608-274-7600
1102 Stewart Street Madison, Wisconsin 53713 Fax: 608-274-7511

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Facility/Project Name Seven Mile Creek Landfill, 8001 Olson Drive

SES Project Number **507.24**

Boring Number **GP 11**

Use only as an attachment to Form 4400-122.

Page 2 of 3

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Readings	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			16	POORLY-GRADED SAND (SP) — fine grained, brown (continued)	SP									
			17	SILTY SAND (SM) — fine grained, non-plastic to low plasticity fines, brown	SM									
			18											
4	18 14	6 6 9	19											
			20											
			21											
			22	POORLY-GRADED SAND (SP) — fine grained, brown, with some clay seams	SP									
			23											
5	18 12	5 9 13	24											
			25											
			26	POORLY-GRADED SAND (SP) — fine grained, brown	SP									
			27											
			28											
			29											
6	18 16	12 25 32	30											
			31											
			32	SANDSTONE — slightly to moderately weathered, light brown, with some green shaley seams										
			33											
			34											
7	18 12	5 10 21	35											
			36											
			37	SANDSTONE — slightly to moderately weathered, white Firm drilling, 38'-0" to 49'-0"										
			38											
8	3 100/3"		39											

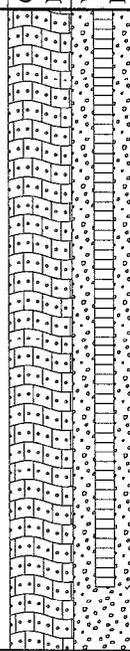
Facility/Project Name **Seven Mile Creek Landfill, 8001 Olson Drive**

SES Project Number **507.24**

Boring Number **GP 11**

Use only as an attachment to Form 4400-122.

Page **3** of **3**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Readings	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Pocket Penetrometer	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			40	SANDSTONE — <i>slightly to moderately weathered, white</i> (continued)										
			41											
			42											
			43											
			44											
			45											
			46											
			47											
			48											
			49											
			50	NOTES 1. The Legend Record is considered a part of the WDNR Soil Boring Log Information form(s) for Boring GP 11.										
			51											
			52											
			53											
			54											
			55											
			56											
			57											
			58											
			59											
			60											
			61											
			62											
			63											

December 2018 Soil Boring Logs and Abandonment Forms

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number DH-60A	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Radke & Todd Schmalfeldt Cascade		Date Drilling Started 12/12/2018		Date Drilling Completed 12/13/2018	
WI Unique Well No. VU616		DNR Well ID No. 242		Common Well Name DH-60A	
Final Static Water Level 887.9 Feet MSL		Surface Elevation 934.4 Feet MSL		Borehole Diameter 6.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 368,641 N, 1,645,799 E S/C/N		Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W		Long _____ ° _____ ' _____ "		Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village City of Eau Claire and Town of Seymour	

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1	CS	60 60		1	ROAD FILL, gravely sand, some clay										
2	CS	60 60		5	POORLY GRADED SAND (SP), yellowish brown (10YR 5/6), medium grained sand, dry, loose (alluvium)										
				8	color changed to very pale brown (10YR 7/4) @ 8'	SP									
3	CS	60 60		14	SANDY SILT (ML), gray/red mottling, dry, hard, iron staining (alluvium)	ML				4.25					

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm Cornerstone Environmental Group 8413 Excelsior Dr. Suite 160 Madison, WI 53717	Tel: Fax:
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Boring Number **DH-60A** Use only as an attachment to Form 4400-122. Page **2** of **4**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
4 CS	60		16	SANDY SILT (ML), gray/red mottling, dry, hard, iron staining (alluvium) <i>(continued)</i>	ML									
	60		17											
5 CS	60		18	POORLY GRADED SAND (SP), yellowish brown (10YR 5/4), fine to medium grained sand with trace silt, dry, loose (alluvium)	SP									
			19											
			20											
			21											
6 CS	60		22	SILTY SAND (SM), dark yellowish brown (10YR 4/6), fine to medium grained sand, dry, dense, iron staining (alluvium)	SM									
			23											
			24											
			25											
7 CS	60		26	POORLY GRADED SAND (SP), yellowish brown (10YR 5/4), fine grained sand, dry, loose (alluvium)	SP									
			27											
			28											
			29											
8 CS	60		30	SILT (ML), dark yellowish brown (10YR 4/4), dense, iron staining (alluvium)	ML									
			31											
8 CS	60		32	POORLY GRADED SAND (SP), light yellowish brown (10YR 6/4), fine grained sand, dry, loose, iron staining from 30 to 31' (alluvium)	SP									
			33											
			34											
			35											
			36											
			37											
			38											
			39											
			40											

Boring Number **DH-60A** Use only as an attachment to Form 4400-122. Page **3** of **4**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
9 CS	60 60		41 42 43 44	POORLY GRADED SAND (SP), light yellowish brown (10YR 6/4), fine grained sand, dry, loose, iron staining from 30 to 31' (alluvium) (continued) increasing silt nodules @ 40'	SP									
10 NR	60 0		45 46 47 48 49	HIGHLY WEATHERED SANDSTONE, light yellowish brown (10YR 6/4), dry, loose, fractured rock @ 44' (residual) wet @ 46.5'										
11 NR	60 0		50 51 52 53 54	no recovery 45' to 60' due to very poor rock quality and sample washing out during coring process										
12 NR	60 0		55 56 57 58 59											
1 RC	60 27		60 61 62 63 64 65	HQ drilling started 12/13/18 @ 60' SANDSTONE, light brownish gray (10YR 6/2) to light yellowish brown (10YR 6/4), fine to coarse grained sand, well graded, rounded grains, some quartz pebbles, silica cementation, very thinly bedded, crossbedding, wet (bedrock) no recovery 61' 6" to 63' 3" due to very poor rock quality and sample washing out during coring process										RQD = 0% - very poor FF = 3.11

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number DH-61	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Radke & Todd Schmalfeldt Cascade		Date Drilling Started 12/13/2018		Date Drilling Completed 12/14/2018	
WI Unique Well No. VU618		DNR Well ID No. 244		Common Well Name DH-61	
Final Static Water Level 889.3 Feet MSL		Surface Elevation 935.3 Feet MSL		Borehole Diameter 6.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 368,230 N, 1,645,809 E S/C/N		Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W		Long _____ ° _____ ' _____ "		Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village City of Eau Claire and Town of Seymour	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 CS	60 60		1	POORLY GRADED SAND (SP), dark yellowish brown (10YR 3/6) to brownish yellow (10YR 6/6), medium grained sand, dry, loose (alluvium)	SP									
2 CS	60 60		5	SANDY SILT (ML), dark yellowish brown (10YR 4/6), fine grained sand, moist, very stiff (alluvium)	ML				3.0					
3 CS	60 60		10	POORLY GRADED SAND (SP), yellowish brown (10YR 5/6), fine to medium grained sand with trace silt, dry, loose (alluvium)	SP									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Seri Oajir</i>	Firm Cornerstone Environmental Group 8413 Excelsior Dr. Suite 160 Madison, WI 53717	Tel: Fax:
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Boring Number		DH-61		Use only as an attachment to Form 4400-122.							Page 3 of 3			
Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
9 CS	60 60		38 39 40 41 42 43 44	fractured rock @ 44' (residual)										
10 CS	60 60		45 46 47 48 49	heavy iron staining 45' to 46' Wet @ 46', gray and dark yellowish brown mottling, moist, increased silt, 46' to 49'					13.7	NV	NP	16.6	Lab classified the residual as SM - silty sand with less than 15% gravel RQD = 0% - very poor FF = 1	
1 RC	12 2		50	SANDSTONE, light brownish grey (10YR 6/2) to very pale brown (10YR 8/2), fine to coarse grained sand, rounded grains, wet, very thinly bedded, silica cementation (bedrock)										
2 RC	60 24		51 52 53 54	HQ drilling started 12/14/18 @ 50', no recovery 50' to 50' 10" 1" thick layer of olive and red clayey shale @ 51' no recovery 51' 9" to 54' 9" due to very poor rock quality and sample washing out during coring process									RQD = 0% - very poor FF = 8.8	
3 RC	48 36		55 56 57 58 59 60	crossbedded @ 55' olive green clayey SHALE, 55' 6" to 56' (residual) SANDSTONE, very pale brown (10YR 7/4) to white (10YR 8/1), fine to medium grained sand, rounded grains, wet, silica cementation (bedrock) interbedded green clayey shale with iron staining 56' to 58' Bottom of 6" borehole @ 59 feet bgs crossbedding 59' to 60' Bottom of 2" rock core @ 60 feet bgs									RQD = 0% - very poor FF = 6	

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number DH-62	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Radke Cascade		Date Drilling Started 12/12/2018		Date Drilling Completed 12/12/2018	
WI Unique Well No. VU617		DNR Well ID No. 246		Common Well Name DH-62	
Final Static Water Level 883.9 Feet MSL		Surface Elevation 930.4 Feet MSL		Borehole Diameter 6.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 368,255 N, 1,645,485 E S/C/N		Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W		Long _____ ° _____ ' _____ "		Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village City of Eau Claire and Town of Seymour	

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			5 10 15 20 25 30 35 40 45 50 55	See boring log DH-62A for soil descriptions	OL SP ML SP CH									
				Bottom of boring @ 57 feet bgs										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm Cornerstone Environmental Group 8413 Excelsior Dr. Suite 160 Madison, WI 53717	Tel: Fax:
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number DH-62A	
Boring Drilled By: Name of crew chief (first, last) and Firm Todd Schmalfeldt Cascade		Date Drilling Started 12/17/2018		Date Drilling Completed 12/20/2018	
WI Unique Well No. WA400		DNR Well ID No. 248		Common Well Name DH-62A	
Final Static Water Level 884.3 Feet MSL		Surface Elevation 930.8 Feet MSL		Borehole Diameter 8.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 368,250 N, 1,645,484 E S/C/N		Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W		Long _____ ° _____ ' _____ "		Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village City of Eau Claire and Town of Seymour	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 CS	60 60		1	SILTY LOESS (OL), dark brown (10YR 3/3), dry, loose (loess)	OL									
			2	POORLY GRADED SAND (SP), fine grained sand, yellowish-brown (10YR 4/6), dry, loose (alluvium)	SP									
2 CS	60 60		3	fine to medium grained sand, trace silt @ 3'	SP									
			4											
3 CS	60 60		5	SANDY SILT (ML), some sand (30%), low plasticity, dark yellowish-brown (10YR 4/6), moist, very soft (alluvium)	ML									
			6											
			7	POORLY GRADED SAND (SP), fine to medium grained sand, trace silt, yellowish-brown (10YR 4/6), dry, loose (alluvium)	SP									
			8											
			9	HIGHLY WEATHERED SANDSTONE, greenish gray (GLEY1 5/1), dry, iron staining (residual)										
			10											
			11											
			12											
			13											
			14											
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm Cornerstone Environmental Group 8413 Excelsior Dr. Suite 160 Madison, WI 53717	Tel: Fax:
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Boring Number **DH-62A** Use only as an attachment to Form 4400-122. Page 2 of 4

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
4	CS	60 60		16	WEATHERED CLAYEY SHALE, greenish gray (GLEY1 5/1), dry, friable (residual)											
				17												
				18	HIGHLY WEATHERED SANDSTONE, medium grained sand, very pale brown (7.5YR 8/1), dry, 1" rock fragments (residual)											
				19												
				20												
5	CS	60 60		20	greenish gray (GLEY1 5/1), iron staining, black staining from 26' to 29'											
				21												
				22												
				23												
				24												
				25	CLAY, light olive gray (5Y 6/2), high plasticity											
6	CS	60 60		25												
				26												
				27												
				28	HIGHLY WEATHERED SANDSTONE, very pale brown (7.5YR 8/1) to pale brown (10YR 8/4), medium grained sand, 1" rock fragments @ 30' 6"											
1	ST	6		30												
7	CS	54 54		31	2-3" rock fragments, rock competency increasing with depth starting @ 33'	CH										
				32												
				33												
				34												
				35												
8	CS	60 60		35												
				36												
				37												
				38												
				39												
				40												

Shelby tube pushed 6 inches at 30 feet. Lab classified residual as CH

Boring Number **DH-62A** Use only as an attachment to Form 4400-122. Page 3 of 4

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments			
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200				
9 CS	60 60		41 42 43 44														
1 RC	60 60		45 46 47 48 49	SANDSTONE, alternating beds of light gray (10YR7/1) and iron stained rock, fine to medium grained sand, rounded grains, very thinly bedded (bedrock) wet @ 46' 6"													RQD = 0% - very poor FF = 4.8
2 RC	60 34		50 51 52	quartz pebbles @ 49' 6" WEATHERED CLAYEY SHALE, greenish gray (GLE Y1 5/1) (residual)													RQD = 0% - very poor FF = 4.9
			53 54	no recovery from 52' 10" to 56' 4" due to very poor rock quality and sample washing out during coring process													
3 RC	60 32		55 56 57 58	SANDSTONE, light gray (10YR7/1), fine grained sand, rounded grains, very thinly bedded, crossbedding (bedrock)													RQD = 13% - very poor FF = 6.4
			59	WEATHERED CLAYEY SHALE, greenish gray (GLE Y1 5/1) (residual)													
			60	no recovery 59' to 60' due to very poor rock quality and sample washing out during coring process													
4 RC	60 45		61 62 63 64 65	SANDSTONE, light gray (10YR7/1) to brownish yellow (10YR 6/6), fine to medium grained sand with quartz pebbles, rounded grains, very thinly bedded, crossbedding (bedrock) iron staining, greenish gray (GLE Y1 5/1) shale laminations, 60' to 63' no recovery 63' to 64' 3" due to very poor rock quality and sample washing out during coring process													RQD = 11% - very poor FF = 4.3

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number DH-63	
Boring Drilled By: Name of crew chief (first, last) and Firm Todd Schmalfeldt Cascade		Date Drilling Started 12/19/2018		Date Drilling Completed 12/19/2018	
WI Unique Well No. VU619		DNR Well ID No. 250		Common Well Name DH-63	
Final Static Water Level 884.3 Feet MSL		Surface Elevation 930.8 Feet MSL		Borehole Diameter 6.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 367,909 N, 1,645,549 E S/C/N		Lat _____ ° _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W		Long _____ ° _____ ' _____ "		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village City of Eau Claire and Town of Seymour	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 CS	60 60		0.5	LOESS, silty with trace sand, dark yellowish brown (10YR 4/4), moist, loose										
			1.0	POORLY GRADED SAND (SP), fine grained sand, dark yellowish brown (10YR 4/6), dry, loose (alluvium)	SP									
2 CS	60 60		5.0	SANDY SILT (ML), some (30%) sand, low plasticity, dark yellowish brown (10YR 4/6), moist, very soft (alluvium)	ML				0.2					
			8.0	POORLY GRADED SAND (SP), fine grained sand, dark yellowish brown (10YR 4/6), dry, loose (alluvium)	SP									
			9.0	HIGHLY WEATHERED SHALE, olive green clayey shale interbedded with dark red clay (residual)										
			10.0											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm Cornerstone Environmental Group 8413 Excelsior Dr. Suite 160 Madison, WI 53717	Tel: Fax:
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-81	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Radke Cascade		Date Drilling Started 12/11/2018		Date Drilling Completed 12/11/2018	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level 886.0 Feet MSL		Surface Elevation 931.0 Feet MSL		Borehole Diameter 6.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 368,524 N, 1,645,550 E S/C/N		Lat _____ " _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 9 , T 27 N, R 8 W		Long _____ " _____ "		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
Facility ID 618045450		County Eau Claire		County Code 18	
Civil Town/City/ or Village City of Eau Claire and Town of Seymour					

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1	CS	60 60		1	TOPSOIL, sand and gravel mix										
2	CS	60 60		2-5	POORLY GRADED SAND (SP), brownish yellow (10YR 6/6), dry, loose (alluvium) color changed to yellow (10YR 7/4) @ 6'	SP									
3	CS	60 60		9-10	LEAN CLAY WITH SAND (CL), gray to red brown mottling, dry, iron staining (alluvium)	CL									
				10-11	POORLY GRADED SAND (SP), dark yellowish brown (10YR 4/6) to yellowish brown (10YR 5/6), fine to medium grained sand with trace silt, dry, loose (alluvium)	SP									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm Cornerstone Environmental Group 8413 Excelsior Dr. Suite 160 Madison, WI 53717	Tel: Fax:
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Boring Number **TB-81**

Use only as an attachment to Form 4400-122.

Page 2 of 3

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
4 CS	60 60		13											
			14											
5 CS	60 60		15											
			16	SP										
			17											
			18											
			19											
			20	SILTY SAND (SM), 20% silt, dark brown (10YR 3/3), fine grained sand, dry, dense (alluvium)	SM									
			21											
			22	POORLY GRADED SAND (SP), yellowish brown (10YR 5/6), fine grained sand, dry, loose (alluvium)	SP									
			23											
			24	POORLY GRADED SAND WITH SILT (SP-SM), dark yellowish brown (10YR 4/6), medium grained sand, dry, loose, iron staining at 23' (alluvium)	SP-SM									
6 CS	60 36		25											
			26	POORLY GRADED SAND (SP), yellow (10YR 7/4), fine grained sand, dry, loose (alluvium)										
			27											
			28		SP									
			29											
			30											
7 CS	60 30		31											
			32	WEATHERED SANDSTONE, yellow (10YR 7/4) to dark yellow brown (10YR										

Boring Number **TB-81**

Use only as an attachment to Form 4400-122.

Page **3** of **3**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
8 CS	60 60		33	7/4), fine grained sand, poorly graded, dry, loose with rock fragments 0.25" to 1" (residual)										
			35	trace silt, increasing rock fragments @ 35'										
9 CS	60 12		40	trace gravel starting @ 40'										
			45											
10 CS	60 60		45	SANDSTONE, light gray (10YR 7/2), fine to medium grained sand with trace silt, moist to wet, increasing rock fragments 0.5" to 2" (bedrock) wet @ 45'										
			48	iron staining @ 48'										
1 ST	24 6		50	Bottom of boring @ 50 feet bgs						13.1	NV	NP	7.6	Shelby tube pushed 6 inches at 50 feet.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-82	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Radke Cascade		Date Drilling Started 12/10/2018		Date Drilling Completed 12/10/2018	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation 928.1 Feet MSL		Borehole Diameter 6.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		State Plane 367,673 N, 1,645,363 E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W		Lat _____ ' _____ "		Long _____ ' _____ "	
Facility ID 618045450		County Eau Claire		County Code 18	
Civil Town/City/ or Village City of Eau Claire and Town of Seymour					

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1	CS	60 60		1	POORLY GRADED SAND (SP), yellowish brown (10YR 5/6), dry, loose (alluvium)	SP									
2	CS	60 60		5	10% silt @ 5'										
				6	POOLY GRADED SAND WITH SILT (SP-SM), black (10YR 2/1), fine to medium grained sand, dry (alluvium)	SP-SM									
3	CS	60 60		10	POORLY GRADED SAND (SP), yellowish brown (10YR 5/6), dry, loose (alluvium)	SP									
				11	dark yellowish brown (10YR 4/6), moist, loose										
				11	2" silt lense @ 11'										
				13	iron staining @ 13'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Seri Oajh</i>	Firm Cornerstone Environmental Group 8413 Excelsior Dr. Suite 160 Madison, WI 53717	Tel: Fax:
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Boring Number **TB-82**

Use only as an attachment to Form 4400-122.

Page **2** of **3**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
4 CS	60		16	POORLY GRADED SAND (SP), yellowish brown (10YR 5/6), dry, loose (alluvium) <i>(continued)</i>	SP									
	60		17											
5 CS	60		18	HIGHLY WEATHERED SANDSTONE, brownish yellow (10YR 6/6), fine grained sand, poorly graded (residual)										
	60		19											
6 CS	60		20	no recovery 28' to 32' 6"										
	36		21											
7 CS	60		22	dark yellowish brown (10YR 4/4), increasing silt, 32' 6" to 37' wet @ 33' 1" rock fragments, silt @ 34'										
	30		23											
8 CS	60		24	interbedded clay, red and gray mottling, heavy iron staining 37' to 39' 6"										
	60		25											

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-83	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Radke Cascade		Date Drilling Started 12/10/2018		Date Drilling Completed 12/10/2018	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation 924.3 Feet MSL		Borehole Diameter 6.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		State Plane 367,771 N, 1,645,267 E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W		Lat _____ ' _____ "		Long _____ ' _____ "	
Facility ID 618045450		County Eau Claire		County Code 18	
Civil Town/City/ or Village City of Eau Claire and Town of Seymour					

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 CS	60 60		1	SILTY SAND (SM), dark yellowish-brown (10YR 4/4), dry, loose (alluvium)	SM									
			2											
2 CS	60 60		3	POORLY GRADED SAND (SP), yellowish-brown (10YR 5/6), fine grained sand, dry, loose (alluvium)	SP									
			4											
3 CS	60 60		5	SANDY SILT (ML), yellowish-brown (10YR 5/6), dry, very stiff (alluvium)	ML									
			6											
			7	POORLY GRADED SAND (SP), yellowish-brown (10YR 5/6), dry, loose (alluvium)	SP									
			8											
			9	SILTY SAND (SM), brownish yellow (10YR 5/6), dry, medium dense (alluvium)	SM									
			10											
			11	POORLY GRADED SAND (SP), brownish yellow (10YR 6/6), dry, loose (alluvium)	SP									
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Seri Oajir</i>	Firm Cornerstone Environmental Group 8413 Excelsior Dr. Suite 160 Madison, WI 53717	Tel: Fax:
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Seven Mile Creek Landfill		License/Permit/Monitoring Number 3097		Boring Number TB-83B	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Radke Cascade		Date Drilling Started 12/12/2018		Date Drilling Completed 12/12/2018	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation 924.2 Feet MSL		Borehole Diameter 6.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 367,771 N, 1,645,262 E S/C/N		Lat _____ " _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W		Long _____ " _____ "		Feet _____ Feet _____	
Facility ID 618045450		County Eau Claire		County Code 18	
				Civil Town/City/ or Village City of Eau Claire and Town of Seymour	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
See boring log TB-83 for soil descriptions														
			2		SM									
			4		SP									
			6		ML									
			8		SP									
			10		SM									
			12											
			14		SP									
			16											
			18											
			20								14.7		9.5	Shelby tube pushed 11 inches at 19 feet
1	24		22								16.7	34.9	17.4	48.3
2	8													
Bottom of boring @ 23 feet bgs														

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Seri Oajir</i>	Firm Cornerstone Environmental Group 8413 Excelsior Dr. Suite 160 Madison, WI 53717	Tel: Fax:
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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 chs. NR 141 and 812, 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 form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County Eau Claire		WI Unique Well # of Removed Well N/A		Hicap # N/A		Facility Name Seven Mile Creek Landfill	
Latitude / Longitude (see instructions) 44.83395385140 N 91.36748185960 W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) 618045450	
¼ / ¼ NW ¼ SW or Gov't Lot #		Section 9		Township 27 N		Range 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W	
Well Street Address 8001 Olson Drive				Original Well Owner Advanced Disposal Services Seven Mile Creek Landfill			
Well City, Village or Town Eau Claire				Present Well Owner Advanced Disposal Services Seven Mile Creek Landfill			
Subdivision Name				Well ZIP Code 54703		Mailing Address of Present Owner 8001 Olson Drive	
Reason for Removal from Service test boring				WI Unique Well # of Replacement Well N/A		City of Present Owner Eau Claire	
3. Filled & Sealed Well / Drillhole / Borehole Information <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole				Original Construction Date (mm/dd/yyyy) 12/12/2018		State WI	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____				If a Well Construction Report is available, please attach.		ZIP Code 54703	
Formation Type: <input type="checkbox"/> Unconsolidated Formation <input checked="" type="checkbox"/> Bedrock				4. Pump, Liner, Screen, Casing & Sealing Material Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Total Well Depth From Ground Surface (ft.) 23		Casing Diameter (in.) N/A		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Lower Drillhole Diameter (in.) 4		Casing Depth (ft.) N/A		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
If yes, to what depth (feet)?				Depth to Water (feet)			
5. Material Used to Fill Well / Drillhole							
Bentonite chips (3/8")		From (ft.) Surface	To (ft.) 23	No. Yards, Sacks Sealant or Volume (circle one) 5 - 50 lb. bags		Mix Ratio or Mud Weight	
6. Comments							
TB-83B							
7. Supervision of Work						DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Cornerstone/Tetra Tech		License #		Date of Filling & Sealing or Verification (mm/dd/yyyy) 12/12/2018		Date Received	
Street or Route 8413 Excelsior Drive, Suite 160		City Madison		State WI		ZIP Code 53717	
Telephone Number (630) 410-7231				Signature of Person Doing Work <i>Sevi Oajir</i>		Date Signed 12/12/2018	
						Comments	