

BORING NO. DH 23 B
 SURFACE ELEV. 912.2 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								
									70	Tricone & H ₂ O
				"NXM Core Run" 95.0' - 100.0' Weathered Granite @ 96.0'					80	
				Note: Drilled very slowly 96.0' - 120.5' Water Loss: 100gal/5' Run					90	
				Note: Cored like granite @ 120.5' - 122.5' Rec. 8"-10" / 24"					100	
				"NXM Core Run 120.0 - 122.5"					110	
				E.O.B. @ 122.5' Set well @ 94.5'					120	
				Hole Backfilled below 95' with Cement/bentonite grout					130	
									140	

— KEY —

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

PROJECT Seven Mile L.F
 DATE(S) DRILLED 5-2-85
 LOCATION 21+95 N, 15+32 E
 GROUNDWATER: 34.2 FT. BELOW GS. AT ELEV. OF 878.0
 DRILLERS: _____ JOB NO. _____
 _____ DATE _____

BORING NO. DH-23C
 SURFACE ELEV. 912.2 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 0.4'				Alluvium		Flight Auger
				Sand, yel-brn., C-F, w/some silt trc. gravel.					10	
				Sand, yel-brn., M-F, w/some silt, w/some sandstone chips Note: Drilled rougher 18.5'-30.0'					20	
				E.O.B. @ 30.0' Well set @ 20.0'					30	
									40	
									50	
									60	

— KEY —

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

PROJECT Seven Mile L.F.
 DATE(S) DRILLED 4-30-85
 LOCATION 23+94 N, 15+39 E
 GROUNDWATER: --- FT. BELOW GS. AT ELEV. OF ---
 DRILLERS: m.p. JOB NO. 4731.00
for W.T.O. DATE ---

BORING NO. DH-24
 SURFACE ELEV. 920.6 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 (T.S.F.)	GEOLOGY	DEPTH	ELEV.	
	6"	6"	per ft.									
					Topsoil 0.4'							
1	6 8	8	16 R 1.1	X	Sand, yel-brn., M-F, w/so silt trc gravel	D	SM		Alluvium		Hollow STEM Auger	
2	7 17	11	28 R 1.1	X	Sand, Brn., F, w/so Coarse Silt	D	SM					
3	10 8	6	19 R 0.2	X		D	SM					
4	100/1.0		100 R 1.0	X	Clay, Rd-green, w/Lense cont. fine S.S. frags 6"	D	CL			20		
5	100/2		100 R 0.2	X	Sand, yel-white, C-F, w/trc silt single grained to platy weather sandstone	D	SP		Residual			
6	100/2		100 R 0.2	X		D						
7	100/3		100 R 0.3	X		D						
8	100/5		100 R 0.5	X	"Tip of spoon wet"	W						
9	100/4		100 R 0.4	X	"Mottled"	W						
10	100/3		100 R 0.3	X		W						
11	100/3				E.O.B. 53.3' Well set @ 53.0'							

— KEY —

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

PROJECT Seven Mile L.F
 DATE(S) DRILLED 4-16-85
 LOCATION 26+50 N, 21+80 E
 GROUNDWATER: 38.0 FT. BELOW GS. AT ELEV. OF 882.63
 DRILLERS: M.P. JOB NO. 473100
for W.T.O. DATE _____

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>Seven Mile Landfill</u>	
Well/Drillhole/Borehole Location <u>MW-24</u>	County <u>Eau Claire</u>	Original Well Owner (If Known)	
_____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N.; R. _____ (If Applicable)		Present Well Owner <u>Seven Mile Landfill</u>	
_____ Gov't Lot _____ Grid Number _____		Street or Route	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Eau Claire, WI</u>	
Civil Town Name		Facility Well No. and/or Name (If Applicable) <u>MW-24</u>	WI Unique Well No
Street Address of Well		Reason For Abandonment <u>Landfill Expansion</u>	
City, Village <u>Eau Claire</u>		Date of Abandonment <u>04/06/05</u>	

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 type="checkbox"/> Drillhole <input type="checkbox"/> Borehole </p> <p>Construction Report Available? <input type="checkbox"/> Yes <input type="checkbox"/> No </p> <p>Construction Type: <input 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) <u>53.0</u> Casing Diameter (in) <u>2.00</u> (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) <u>43.0</u></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 checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____ </p> <p> Was Casing Cut Off Below Surface? <input checked="" 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 type="checkbox"/> Conductor Pipe - Gravity <input checked="" 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"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input checked="" type="checkbox"/> Bentonite-Cement Grout </p>
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(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite-Cement Grout	Surface	53.0	140 Gallons

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Boart Longyear Company

Signature of Person Doing Work 	Date Signed <u>04-23-05</u>
Street or Route <u>101 Alderson Street</u>	Telephone Number <u>715-359-7090</u>
City, State, Zip Code <u>Schofield, WI 54476</u>	

(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 DH-39		
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - D. Morris			Date Drilling Started 11/6/2002		Date Drilling Completed 11/6/2002		
Drilling Method 4 1/4" HSA		WI Unique Well No. PE 154		DNR Well ID No. DH-39		Common Well Name DH-39	
Final Static Water Level 884.7 Feet MSL		Surface Elevation 924.7 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"/> S Long. _____ ° _____ ' _____ " <input type="checkbox"/> E <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
				Very dark gray brown fine sand w/ silt 10YR3/2	SM									
2 SS	24	9	6-6	Dark yellow brown fine sand w/ silt 10YR4/4	SM					M			23.1	Alluvium
				2" silt lense at 6.75'	ML									
3 SS	24	18	8-12	Brown fine sand some silt 10YR5/3	SP-SM					M				Alluvium
					SP-SM									
4 SS	24	15	10-15	Light yellow brown fine sand some silt 10YR6/4	SP-SM					M				Alluvium
					SP-SM									
5 SS	24	18	3-16	Light yellow brown fine sand some silt 10YR6/4	SP-SM					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 Maenner Firm Ayres Associates

Boring Number **DH-39**

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	7	26	Brownish yellow fine sand some silt 10YR6/6	SP-SM								Alluvium	
		15												
7 SS	24 15	19	30	Very pale brown fine sand, some silt 10YR7/4	SP-SM								Alluvium	
		21												
8 SS	24 15	20	36	Brownish yellow fine sand, some silt 10YR6/8	SP-SM								Alluvium	
		16												
9 SS	24 12	15	40	Light yellow brown fine sand, little silt 10YR6/4	SP							1.8	Alluvium	
		23												
10 SS	24 15	12	46	Yellow brown fine sand, little silt 10YR5/6	SP							4.7	Alluvium	
		17												
11 SS	24 10	22	50	Yellow brown fine sand, little silt 10YR5/6	SP								Alluvium	
		21												
		26	52	End of Boring at 52' (elevation = 872.7); Well set at 49' (elevation = 875.7) Ground water elevation 1/28/03 = 881.66										
		30												

Route To:

Watershed/Wastewater
Remediation/Redevelopment

Waste Management
Other

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 6-97

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill	Local Grid Location of Well 3746.589 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S. 2160.532 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.	Well Name DH-39
Facility License, Permit or Monitoring No. 3097	Grid Origin Location (Check if estimated: <input type="checkbox"/>) Lat. _____ Long. _____ or _____	Wis. Unique Well No. PE 154 DNR Well Number
Facility ID 618045450	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 11/06/2002
Type of Well Well Code 11/mw	Section Location of Waste/Source NE 1/4 of SE 1/4 of Sec. 8, T. 27 N, R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W	Well Installed By: (Person's Name and Firm) D. Morris
Distance Well Is From Waste/Source Boundary 123 ft.	Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Boart Longyear

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation 927.31 ft. MSL	2. Protective cover pipe: a. Inside diameter: 4.0 in. b. Length: 7.0 ft. c. Material: Steel <input checked="" type="checkbox"/> 0.4 Other <input type="checkbox"/>
C. Land surface elevation 924.7 ft. MSL	d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: 3" Bumper Post
D. Surface seal, bottom 889.7 ft. MSL or 35.0 ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 3.0 Concrete <input type="checkbox"/> 0.1 Other <input type="checkbox"/>
12. USC classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3.0 Other <input checked="" type="checkbox"/> #40 Badger
13. Sieve analysis attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Annular space seal: a. Granular Bentonite <input checked="" type="checkbox"/> 3.3 b. _____ Lbs/gal mud weight . Bentonite-sand slurry <input type="checkbox"/> 3.5 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 3.1 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5.0 e. 11.14 Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0.1 Tremie pumped <input type="checkbox"/> 0.2 Gravity <input checked="" type="checkbox"/> 0.8
14. Drilling method used: Rotary <input type="checkbox"/> 5.0 Hollow Stem Auger <input checked="" type="checkbox"/> 4.1 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input checked="" type="checkbox"/> 3.3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 3.2 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 0.2 Air <input type="checkbox"/> 0.1 Drilling Mud <input type="checkbox"/> 0.3 None <input type="checkbox"/> 9.9	7. Fine sand material: Manufacturer, product name and mesh size a. #7 Badger b. Volume added 0.64 ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name and mesh size a. #40 Badger b. Volume added 4.87 ft ³
17. Source of water (attach analysis): _____	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 2.3 Flush threaded PVC schedule 80 <input checked="" type="checkbox"/> 2.4 Other <input type="checkbox"/>
E. Bentonite seal, top 924.5 ft. MSL or 0.2 ft.	10. Screen material: PVC a. Screen Type: Factory cut <input checked="" type="checkbox"/> 1.1 Continuous slot <input type="checkbox"/> 0.1 Other <input type="checkbox"/>
F. Fine sand, top 889.7 ft. MSL or 35.0 ft.	b. Manufacturer Boart Longyear c. Slot size: 0.010 in. d. Slotted length: 10.0 ft.
G. Filter pack, top 887.7 ft. MSL or 37.0 ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1.4 Other <input type="checkbox"/>
H. Screen joint, top 885.7 ft. MSL or 39.0 ft.	
I. Well bottom 875.7 ft. MSL or 49.0 ft.	
J. Filter pack, bottom 872.7 ft. MSL or 52.0 ft.	
K. Borehole, bottom 872.7 ft. MSL or 52.0 ft.	
L. Borehole, diameter 8.0 in.	
M. O.D. well casing 2.37 in.	
N. I.D. well casing 1.94 in.	

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: _____

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms 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 DH-39A			
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - D. Morris			Date Drilling Started 11/6/2002		Date Drilling Completed 11/6/2002			
Drilling Method 4 1/4" HSA		WI Unique Well No. PE 155		DNR Well ID No. DH-39A		Common Well Name DH-39A		
Final Static Water Level 884.7 Feet MSL		Surface Elevation 924.7 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)			
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W			Long. ° ' "		<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	
			3 6 9 12 15 18 21 24 27 30 33 36	Blind drill to 54'; See DH-39 boring logs for soil descriptions										

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**

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill	Local Grid Location of Well 3739.79 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S. 2159.398 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.	Well Name DH-39A
Facility License, Permit or Monitoring No. 3097	Grid Origin Location (Check if estimated: <input type="checkbox"/>) Lat. _____ Long. _____ or _____	Wis. Unique Well No. / DNR Well Number PE 155
Facility ID 618045450	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 11/07/2002
Type of Well Well Code 12/pz	Section Location of Waste/Source NE 1/4 of SE 1/4 of Sec. 8, T. 27 N, R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W	Well Installed By: (Person's Name and Firm) D. Morris
Distance Well Is From Waste/Source Boundary 118 ft.	Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Boart Longyear

- A. Protective pipe, top elevation _____ ft. MSL
- B. Well casing, top elevation 927.19 ft. MSL
- C. Land surface elevation 924.7 ft. MSL
- D. Surface seal, bottom 920.7 ft. MSL or 4.0 ft.

12. USC classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

13. Sieve analysis attached? Yes No

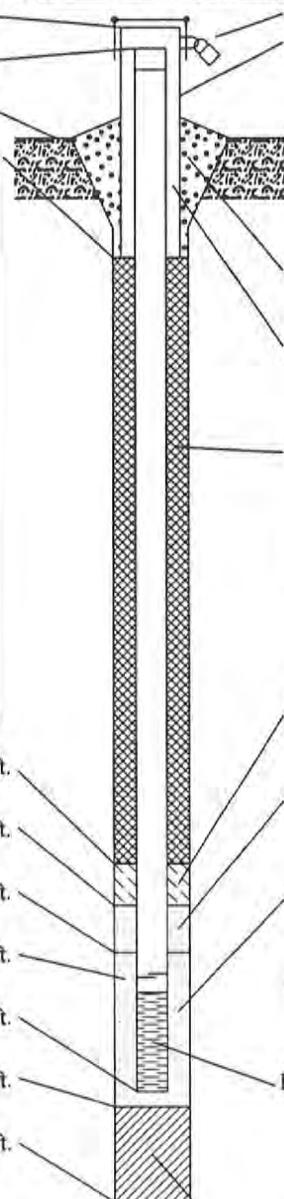
14. Drilling method used: Rotary 5 0
 Hollow Stem Auger 4 1
 Other

15. Drilling fluid used: Water 0 2 Air 0 1
 Drilling Mud 0 3 None 9 9

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis): _____



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: 4.0 in.
 - b. Length: 7.0 ft.
 - c. Material: Steel 0 4
Other
 - d. Additional protection? Yes No
If yes, describe: 3" Bumper Post
- 3. Surface seal:
 - Bentonite 3 0
 - Concrete 0 1
 - Other
- 4. Material between well casing and protective pipe:
 - Bentonite 3 0
 - #40 Badger Other
- 5. Annular space seal:
 - a. Granular Bentonite 3 3
 - b. _____ Lbs/gal mud weight . Bentonite-sand slurry 3 5
 - c. _____ Lbs/gal mud weight . . . Bentonite slurry 3 1
 - d. _____ % Bentonite . . . Bentonite-cement grout 5 0
 - e. 20.7 Ft³ volume added for any of the above
 - f. How installed: Tremie 0 1
Tremie pumped 0 2
Gravity 0 8
- 6. Bentonite seal:
 - a. Bentonite granules 3 3
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 3 2
 - c. _____ Other
- 7. Fine sand material: Manufacturer, product name and mesh size
 - a. #7 Badger
 - b. Volume added 0.64 ft³
- 8. Filter pack material: Manufacturer, product name and mesh size
 - a. #40 Badger
 - b. Volume added 2.58 ft³
- 9. Well casing:
 - Flush threaded PVC schedule 40 2 3
 - Flush threaded PVC schedule 80 2 4
 - Other
- 10. Screen material:
 - a. Screen Type:
 - Factory cut 1 1
 - Continuous slot 0 1
 - Other
 - b. Manufacturer Boart Longyear
 - c. Slot size: 0.010 in.
 - d. Slotted length: 5.0 ft.
- 11. Backfill material (below filter pack):
 - None 1 4
 - Other

- E. Bentonite seal, top 889.7 ft. MSL or 35.0 ft.
- F. Fine sand, top 859.7 ft. MSL or 65.0 ft.
- G. Filter pack, top 857.7 ft. MSL or 67.0 ft.
- H. Screen joint, top 855.7 ft. MSL or 69.0 ft.
- I. Well bottom 850.7 ft. MSL or 74.0 ft.
- J. Filter pack, bottom 849.7 ft. MSL or 75.0 ft.
- K. Borehole, bottom 849.7 ft. MSL or 75.0 ft.
- L. Borehole, diameter 8.0 in.
- M. O.D. well casing 2.37 in.
- N. I.D. well casing 1.94 in.

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: _____

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Solid Waste Haz. Waste ___ Waste Water ___
Env. Response & Repair ___ Underground Tanks ___ Other ___

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill	County Name Eau Claire	Well Name DH-39A
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Facility License, Permit or Monitoring Number 3097	County Code 18	Wis. Unique Well Number PE 155	DNR Well Number
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<p>1. Can this well be purged dry? ___ Yes <input checked="" type="checkbox"/> No</p> <p>2. Well Development method</p> <table style="width:100%;"> <tr><td>surged with bailer and bailed</td><td style="text-align: right;">1</td></tr> <tr><td>surged with bailer and pumped</td><td style="text-align: right;"><input checked="" type="checkbox"/> 61</td></tr> <tr><td>surged with block and bailed</td><td style="text-align: right;">42</td></tr> <tr><td>surged with block and pumped</td><td style="text-align: right;">62</td></tr> <tr><td>surged with block, bailed and pumped</td><td style="text-align: right;">70</td></tr> <tr><td>compressed air</td><td style="text-align: right;">20</td></tr> <tr><td>bailed only</td><td style="text-align: right;">10</td></tr> <tr><td>pumped only</td><td style="text-align: right;">51</td></tr> <tr><td>pumped slowly</td><td style="text-align: right;">50</td></tr> <tr><td>Other _____</td><td style="text-align: right;">_____</td></tr> </table> <p>3. Time spent developing well 105 min.</p> <p>4. Depth of well (from top of well casing) 75.40 ft.</p> <p>5. Inside diameter of well 1.94 in.</p> <p>6. Volume of water in filter pack and well 6.6 gal.</p> <p>7. Volume of water removed from well 60 gal.</p> <p>8. Volume of water added (if any) N/A gal.</p> <p>9. Source of water added N/A</p> <p>10. Analysis performed on water added? ___ Yes ___ No (If yes, attach results)</p>	surged with bailer and bailed	1	surged with bailer and pumped	<input checked="" type="checkbox"/> 61	surged with block and bailed	42	surged with block and pumped	62	surged with block, bailed and pumped	70	compressed air	20	bailed only	10	pumped only	51	pumped slowly	50	Other _____	_____	<p>11. Depth to Water (from top of well casing)</p> <p style="text-align: center;">Before Development</p> <p>a. 45.38 ft.</p> <p style="text-align: center;">Date</p> <p>b. 11 / 22 / 02 mm dd yy</p> <p style="text-align: center;">Time</p> <p>c. 10:30 <input checked="" type="checkbox"/> a.m. p.m.</p> <p>12. Sediment in well bottom 7 inches</p> <p>13. Water clarity</p> <table style="width:100%;"> <tr><td>Clear</td><td style="text-align: right;">10</td></tr> <tr><td>Turbid</td><td style="text-align: right;"><input checked="" type="checkbox"/> 15</td></tr> <tr><td>Describe</td><td style="text-align: right;">_____</td></tr> <tr><td>Brown</td><td style="text-align: right;">_____</td></tr> <tr><td>High</td><td style="text-align: right;">_____</td></tr> <tr><td>_____</td><td style="text-align: right;">_____</td></tr> <tr><td>_____</td><td style="text-align: right;">_____</td></tr> </table> <p style="text-align: center;">After Development</p> <p style="text-align: right;">44.30 ft.</p> <p style="text-align: center;">11 / 22 / 02 mm dd yy</p> <p style="text-align: right;">12:15 <input checked="" type="checkbox"/> a.m. p.m.</p> <p style="text-align: right;">1 inches</p> <table style="width:100%;"> <tr><td>Clear</td><td style="text-align: right;"><input checked="" type="checkbox"/> 20</td></tr> <tr><td>Turbid</td><td style="text-align: right;">25</td></tr> <tr><td>Describe</td><td style="text-align: right;">_____</td></tr> <tr><td>Clear</td><td style="text-align: right;">_____</td></tr> <tr><td>Low</td><td style="text-align: right;">_____</td></tr> <tr><td>_____</td><td style="text-align: right;">_____</td></tr> <tr><td>_____</td><td style="text-align: right;">_____</td></tr> </table> <p>Fill in if drilling fluids were used and well is at solid waste facility:</p> <p>14. Total suspended solids _____ mg/l 119 mg/l</p> <p>15. COD _____ mg/l _____ mg/l</p>	Clear	10	Turbid	<input checked="" type="checkbox"/> 15	Describe	_____	Brown	_____	High	_____	_____	_____	_____	_____	Clear	<input checked="" type="checkbox"/> 20	Turbid	25	Describe	_____	Clear	_____	Low	_____	_____	_____	_____	_____
surged with bailer and bailed	1																																																
surged with bailer and pumped	<input checked="" type="checkbox"/> 61																																																
surged with block and bailed	42																																																
surged with block and pumped	62																																																
surged with block, bailed and pumped	70																																																
compressed air	20																																																
bailed only	10																																																
pumped only	51																																																
pumped slowly	50																																																
Other _____	_____																																																
Clear	10																																																
Turbid	<input checked="" type="checkbox"/> 15																																																
Describe	_____																																																
Brown	_____																																																
High	_____																																																
_____	_____																																																
_____	_____																																																
Clear	<input checked="" type="checkbox"/> 20																																																
Turbid	25																																																
Describe	_____																																																
Clear	_____																																																
Low	_____																																																
_____	_____																																																
_____	_____																																																

Additional comments on development:

Volume Removed (gallons)	Temperature Degrees Celcius	pH	Conductivity uMHOS / cm	Color / Turbidity	Odor
5	11	6.3	45	Brown / High	No
10	11	5.6	40	Brown / Medium	No
20	12	5.4	40	Light Brown / Medium High	No
30	12	5.6	35	Milky / Medium Low	No
40	12	6	40	Milky / Low	No
50	12	5.9	40	Milky / Low	No
60	12	5.9	40	Clear / Low	No

<p>Well developed by: Person's Name and Firm</p> <p>Name: <u>Paul Dickenson</u></p> <p>Firm: <u>Boart Longyear</u> <u>101 Alderson St., Schofield, WI 54476</u></p>	<p>I hereby certify that the above information is true and correct to the best of my knowledge.</p> <p>Signature: <u>Frank W. Maenner</u></p> <p>Print Initials: <u>F.W.M.</u></p> <p>Firm: <u>Ayres Associates, 3433 Oakwood Hills Parkway, Eau Claire, WI 54702</u></p>
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NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

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 DH-40	
Boring Drilled By (Firm name and name of crew chief) Boart Lonygear - D. Morris		Date Drilling Started 11/5/2002		Date Drilling Completed 11/5/2002	
WI Unique Well No. PE 156		DNR Well ID No. DH-40		Common Well Name DH-40	
Final Static Water Level 884.1 Feet MSL		Surface Elevation 924.1 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. 43° 00' 00" N <input checked="" type="checkbox"/> N <input type="checkbox"/> E Long. 88° 32' 00" W <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	1 2 2 3	2	TOPSOIL											Alluvium
				Dark yellow brown fine sand, some silt 10YR4/4	SP-SM										
				Light yellow brown fine sand, some silt 10YR5/5											
2 SS	24 20	7 12 11 10	4 6	Light yellow brown fine sand, some silt 10YR5/5	SP-SM										Alluvium
				Light yellow brown fine sand, some silt 10YR5/5	SP-SM										Alluvium
3 SS	24 20	6 6 8 11	10	Light yellow brown fine sand, some silt 10YR5/5	SP-SM										Alluvium
				Light yellow brown fine sand with silt 10YR5/5	SM										
				Light yellow brown fine sand, some silt 10YR5/5	SP-SM										Alluvium
4 SS	24 18	6 10 12 14	14 16	Light yellow brown fine sand, some silt 10YR6/5	SP-SM										Alluvium
				Light yellow brown fine sand, some silt 10YR6/4	SP-SM										Alluvium
5 SS	24 18	9 10 20 22	20	Light yellow brown fine sand, some silt 10YR6/4	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 **DH-40**

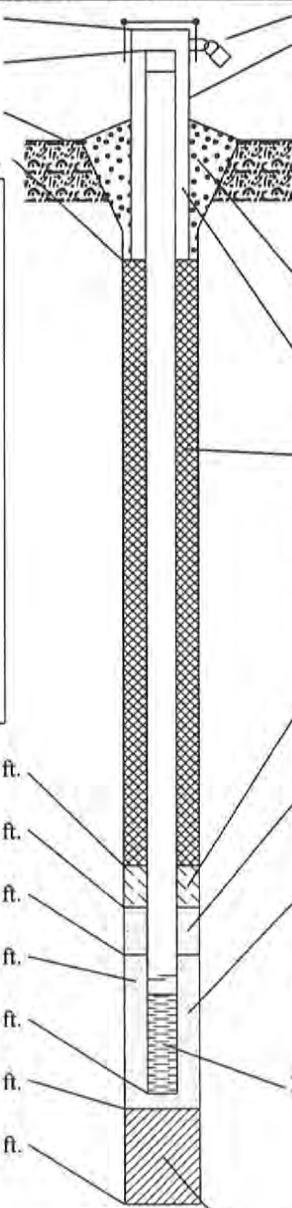
Use only as an attachment to Form 4400-122.

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 20 31 28	26	Light yellow brown fine sand, some silt 10YR6/4	SP-SM				M				Alluvium	
7 SS	24 16	9 15 25 40	30	Very pale brown fine sand, some silt 10YR8/3	SP-SM				M				Alluvium	
8 SS	18 15	10 31 50	34	Very pale brown fine sand, some silt, trace friable sandstone fragments 10YR7/4	SP-SM				M				Alluvium	
9 SS	12 5	19 50/4	40	Very pale brown friable weathered sandstone 10YR8/3					M				Residual	
10 SS	6 4	50/3	42	Red yellow friable weathered sandstone 7.5YR6/6									Residual	
			44	Very pale brown friable weathered sandstone 10YR7/4					W					
11 SS	6 3	53	48	Very pale brown friable weathered sandstone 10YR7/4									Residual	
			52	Very pale brown friable weathered sandstone 10YR7/4					W					
12 SS	6 2	50/2	54						W				Residual	
			56	Red yellow friable weathered sandstone 7.5YR6/6					W					
13 SS	24 12	17 9 10 9	58										Residual	
				End of Boring at 59' (elevation = 865.1) Well set at 49' (elevation = 875.1) Ground water elevation 1/28/03 = 881.56										

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill	Local Grid Location of Well 3289.332 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S. 2190.129 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.	Well Name DH-40
Facility License, Permit or Monitoring No. 3097	Grid Origin Location (Check if estimated: <input type="checkbox"/>) Lat. _____ Long. _____ or _____	Wis. Unique Well No. PE 156 DNR Well Number _____
Facility ID 618045450	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 11/06/2002
Type of Well Well Code 11/mw	Section Location of Waste/Source NE 1/4 of SE 1/4 of Sec. 8, T. 27 N, R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W	Well Installed By: (Person's Name and Firm) D. Morris
Distance Well Is From Waste/Source Boundary 125 ft.	Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Boart Longyear

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>926.88</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4.0</u> in. b. Length: <u>7.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>924.1</u> ft. MSL	d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u>3" Bumper Post</u>
D. Surface seal, bottom <u>889.1</u> ft. MSL or <u>35.0</u> ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
<div style="border: 1px solid black; padding: 5px;"> <p>12. USC classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/></p> <p>13. Sieve analysis attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis): _____</p> </div>	
E. Bentonite seal, top <u>923.9</u> ft. MSL or <u>0.2</u> ft.	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/> #40 Badger
F. Fine sand, top <u>889.1</u> ft. MSL or <u>35.0</u> ft.	5. Annular space seal: a. Granular Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 50 e. <u>11.1</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
G. Filter pack, top <u>887.1</u> ft. MSL or <u>37.0</u> ft.	6. Bentonite seal: a. Bentonite granules <input checked="" type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
H. Screen joint, top <u>885.1</u> ft. MSL or <u>39.0</u> ft.	7. Fine sand material: Manufacturer, product name and mesh size a. <u>#7 Badger</u> b. Volume added <u>0.64</u> ft ³
I. Well bottom <u>875.1</u> ft. MSL or <u>49.0</u> ft.	8. Filter pack material: Manufacturer, product name and mesh size a. <u>#40 Badger</u> b. Volume added <u>7.30</u> ft ³
J. Filter pack, bottom <u>874.1</u> ft. MSL or <u>50.0</u> ft.	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input checked="" type="checkbox"/> 24 Other <input type="checkbox"/>
K. Borehole, bottom <u>865.1</u> ft. MSL or <u>59.0</u> ft.	10. Screen material: <u>PVC</u> a. Screen Type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
L. Borehole, diameter <u>8.0</u> in.	b. Manufacturer <u>Boart Longyear</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.
M. O.D. well casing <u>2.37</u> in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
N. I.D. well casing <u>1.94</u> in.	



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: _____

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms 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 DH-44	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - P. Dickinson		Date Drilling Started 11/11/2002		Date Drilling Completed 11/11/2002	
Drilling Method 4 1/4" HSA		WI Unique Well No. PE 159		DNR Well ID No. DH-44	
Common Well Name DH-44		Final Static Water Level 876.7 Feet MSL		Surface Elevation 916.7 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 S/C/N S/C/N			
Local Grid Location (If applicable) 3282.941 Feet <input checked="" type="checkbox"/> N <input type="checkbox"/> S 1649.835 Feet <input type="checkbox"/> E <input type="checkbox"/> 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 SS	24 20	6 17 15 18	2	Dark gray brown silt with fine sand 10YR4/2	SM						M				Alluvium
				Dark gray brown fine sand, some silt 10YR4/2	SP-SM										
2 SS	24 22	4 7 5	6	Light yellow brown fine sand, some silt 10YR6/4	SP-SM						M				Alluvium
				Yellow brown silt with clay, some fine sand 10YR6/4	CL-ML										
3 SS	24 20	2 6 8 11	8	Pale brown fine sand with silt 10YR6/3	SP-SM						M			54.8	Alluvium
				Brown fine sand, some silt 10YR6/3	SP-SM								M		
5 SS	24 22	4 9 8 3	16	Very pale brown fine sand, some silt 10YR7/3	SP-SM						M				Alluvium
				One inch thick silt lense at 16.7' Very pale brown fine sand, some silt 10YR7/3	SM SP-SM										
6 SS	24 20	8 15 24 25	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**

Boring Number **DH-44**

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 20	9	26	Pale brown fine sand, some silt 10YR6/3	SP-SM								Alluvium	
		14 25 39												
8 SS	24 20	15	30	Light yellow brown fine sand, some silt 10YR6/4	SP-SM								Alluvium	
		23 29 35												
9 SS	24 20	10	36	Light yellow brown fine sand, little silt 10YR6/4	SP								Alluvium	
		24 43 50/3												
10 SS	24 18	10	40	Pale brown fine sand, little silt 10YR6/3	SP							2.1	Alluvium	
		15 27 31												
11 SS	24 18	9	46	Brown fine sand, some silt, trace coarse sand 10YR5/3	SP-SM							6.4	Alluvium	
		19 25 26												
				End of Boring at 48' (elevation = 868.7) Well set at 47' (elevation = 869.7) Ground water elevation 1/28/03 = 876.72										

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)	
NE 1/4 of SE 1/4 of Sec. 8; T. 27 N; R. 8 (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. <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) MW-44	WI Unique Well No. PE159	
Street Address of Well	Reason for Abandonment Landfill Expansion		
City, Village Town of Seymour, WI	Date of Abandonment 11-13-12		

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 11-13-12 <input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input 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.) 48.0 Casing Diameter (in.) 7" (From Groundsurface) Casing Depth (ft.) 48.0 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) 40.3 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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 Well was overdrilled Was Casing Cut Off Below Surface? <input checked="" 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 type="checkbox"/> Conductor Pipe - Gravity <input checked="" 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 type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input checked="" 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 type="checkbox"/> Sacks	<input checked="" type="checkbox"/> Vol.	
Native Soil Patch	Surface	0.5				
Bentonite - Cement Grout	0.5	48.0			13R	

(8) Comments:

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

Signature of Person Doing Work: *[Signature]* Date Signed: 11-13-12

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	

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 DH-44A	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - P. Dickinson		Date Drilling Started 11/11/2002	Date Drilling Completed 11/11/2002	Drilling Method 4 1/4" HSA	
WI Unique Well No. PE 160	DNR Well ID No.	Common Well Name DH-44A	Final Static Water Level 876.6 Feet MSL	Surface Elevation 916.6 Feet MSL	Borehole Diameter 8.0 Inches
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N 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 3283.26 Feet <input type="checkbox"/> S 1643.8 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	
			2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 30.0	Blind drill to 50'; See DH-44 boring log for soil descriptions from 0' to 50'										

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**

(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>1/4</u> of SE <u>1/4</u> of Sec. <u>8</u> ; T. <u>27</u> N.; R. <u>8</u> 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. <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) MW-44A	WI Unique Well No.
Street Address of Well		Reason for Abandonment Landfill Expansion	
City, Village Town of Seymour, WI		Date of Abandonment 11-13-12	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>11-13-12</u>		(4) Depth to Water (Feet) <u>41.0</u>	
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input type="checkbox"/> Borehole	Construction Report Available? <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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 Well was overdrilled	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Other (Specify) _____	<input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug	Was Casing Cut Off Below Surface? <input checked="" 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 type="checkbox"/> Conductor Pipe - Gravity <input checked="" type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____		
Total Well Depth (ft.) <u>72.0</u> (From Groundsurface)	(6) Sealing Materials		
Casing Diameter (in.) <u>7"</u>	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 type="checkbox"/> Chipped Bentonite		
Casing Depth (ft.) <u>72.0</u>	<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input checked="" type="checkbox"/> Bentonite - Cement Grout		
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				
Bentonite - Cement Grout	0.5	72.0		19ft		

(8) Comments:

Name of Person or Firm Doing Sealing Work Midwest Engineering Services, Inc.	
Signature of Person Doing Work 	Date Signed <u>11-13-12</u>
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 DH-46	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller		Date Drilling Started 11/19/2002	Date Drilling Completed 11/19/2002	Drilling Method 4 1/4" HSA	
WI Unique Well No. PE 172	DNR Well ID No. DH-46	Common Well Name DH-46	Final Static Water Level 906.3 Feet MSL	Surface Elevation 933.3 Feet MSL	Borehole Diameter 8.0 Inches
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N		Lat. ° ' "		Local Grid Location (If applicable) <input checked="" type="checkbox"/> N <input checked="" 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. ° ' "		2706.687 Feet <input type="checkbox"/> S 2805.754 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 Dark yellow brown silt with fine sand 10YR5/4	SM					M				Alluvium
2 SS	24 16	5 8 16 15	2-6	Yellow brown fine sand with silt 10YR5/4	SM					M			5.7	Alluvium
3 SS	24 16	12 22 29 27	6-12	Light gray fine sand, some silt 10YR7/2	SP-SM					M				Alluvium
4 SS	12 10	14 50/4	12-14	White weathered friable sandstone, trace competent sandstone chips 10YR8/2						M				Residual
5 SS	6 4	50/3	14-20	White weathered friable sandstone, trace competent sandstone chips 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**

Boring Number **DH-46**

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	6 5	50/4	26	Gray weathered friable sandstone 2.5Y5/0					M				Residual	
7 SS	6	50/4	30	Red brown weathered clayey shale 5YR4/4 with gray mottles (Sample submitted for grain size analyses; USCS = CL)					M			83	Residual	
8 SS	6 3	50/2	34	White weathered friable sandstone 5Y8/1 (Sample submitted for grain size analyses; USCS = SM)					M	NP	NP	19.8	Residual	
9 SS	6 4	50/3	40	Gray weathered friable sandstone 2.5Y5/0					W				Residual	
				End of Boring at 41' (elevation = 892.3) Well set at 37' (elevation = 896.3) Ground water elevation 1/28/03 = 907.30										

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill	Local Grid Location of Well 2706.687 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S. 2805.754 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.	Well Name DH-46
Facility License, Permit or Monitoring No. 3097	Grid Origin Location (Check if estimated: <input type="checkbox"/>) Lat. _____ " Long. _____ " or	Wis. Unique Well No. PE 172 DNR Well Number
Facility ID 618045450	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 11/19/2002
Type of Well Well Code 11/mw	Section Location of Waste/Source NW 1/4 of SW 1/4 of Sec. 9, T. 27 N, R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W	Well Installed By: (Person's Name and Firm) M. Mueller
Distance Well Is From Waste/Source Boundary 164 ft.	Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Boart Longyear

- A. Protective pipe, top elevation _____ ft. MSL
- B. Well casing, top elevation 935.79 ft. MSL
- C. Land surface elevation 933.3 ft. MSL
- D. Surface seal, bottom 932.8 ft. MSL or 0.5 ft.

12. USC classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

13. Sieve analysis attached? Yes No

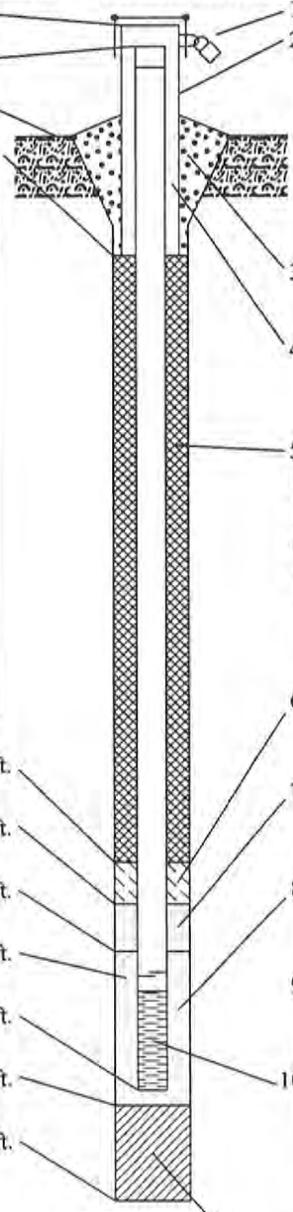
14. Drilling method used: Rotary 5 0
 Hollow Stem Auger 4 1
 Other

15. Drilling fluid used: Water 0 2 Air 0 1
 Drilling Mud 0 3 None 9 9

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis): _____



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: 4.0 in.
 - b. Length: 7.0 ft.
 - c. Material: Steel 0 4
Other
- d. Additional protection? Yes No
 If yes, describe: 3" Bumper Post
- 3. Surface seal: Bentonite 3 0
Concrete 0 1
Other
- 4. Material between well casing and protective pipe: Bentonite 3 0
Sand
- 5. Annular space seal:
 - a. Granular Bentonite 3 3
 - b. _____ Lbs/gal mud weight . Bentonite-sand slurry 3 5
 - c. _____ Lbs/gal mud weight . . . Bentonite slurry 3 1
 - d. _____ % Bentonite . . . Bentonite-cement grout 5 0
 - e. 5.57 Ft³ volume added for any of the above
 - f. How installed: Tremie 0 1
Tremie pumped 0 2
Gravity 0 8
- 6. Bentonite seal:
 - a. Bentonite granules 3 3
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 3 2
 - c. _____ Other
- 7. Fine sand material: Manufacturer, product name and mesh size
 a. #7 Badger
 b. Volume added 0.64 ft³
- 8. Filter pack material: Manufacturer, product name and mesh size
 a. #40 Badger
 b. Volume added 6.46 ft³
- 9. Well casing: Flush threaded PVC schedule 40 2 3
 Flush threaded PVC schedule 80 2 4
 Other
- 10. Screen material: PVC
 - a. Screen Type: Factory cut 1 1
Continuous slot 0 1
Other
 - b. Manufacturer Boart Longyear
 - c. Slot size: 0.010 in.
 - d. Slotted length: 15.0 ft.
- 11. Backfill material (below filter pack): None 1 4
 Other

- E. Bentonite seal, top 932.8 ft. MSL or 0.5 ft.
- F. Fine sand, top 915.3 ft. MSL or 18.0 ft.
- G. Filter pack, top 913.3 ft. MSL or 20.0 ft.
- H. Screen joint, top 911.3 ft. MSL or 22.0 ft.
- I. Well bottom 896.3 ft. MSL or 37.0 ft.
- J. Filter pack, bottom 893.3 ft. MSL or 40.0 ft.
- K. Borehole, bottom 892.3 ft. MSL or 41.0 ft.
- L. Borehole, diameter 8.0 in.
- M. O.D. well casing 2.37 in.
- N. I.D. well casing 1.94 in.

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: _____

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Solid Waste Haz. Waste Waste Water
Env. Response & Repair Underground Tanks Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill	County Name Eau Claire	Well Name DH-46
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Facility License, Permit or Monitoring Number 3097	County Code 18	Wis. Unique Well Number PE 172	DNR Well Number
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<p>1. Can this well be purged dry? <input checked="" type="checkbox"/> Yes ___ No</p> <p>2. Well Development method</p> <table style="width:100%;"> <tr><td>surged with bailer and bailed</td><td style="text-align: right;">1</td></tr> <tr><td>surged with bailer and pumped</td><td style="text-align: right;"><input checked="" type="checkbox"/> 61</td></tr> <tr><td>surged with block and bailed</td><td style="text-align: right;">___ 42</td></tr> <tr><td>surged with block and pumped</td><td style="text-align: right;">___ 62</td></tr> <tr><td>surged with block, bailed and pumped</td><td style="text-align: right;">___ 70</td></tr> <tr><td>compressed air</td><td style="text-align: right;">___ 20</td></tr> <tr><td>bailed only</td><td style="text-align: right;">___ 10</td></tr> <tr><td>pumped only</td><td style="text-align: right;">___ 51</td></tr> <tr><td>pumped slowly</td><td style="text-align: right;">___ 50</td></tr> <tr><td>Other _____</td><td style="text-align: right;">___</td></tr> </table> <p>3. Time spent developing well 130 min.</p> <p>4. Depth of well (from top of well casing) 39.50 ft.</p> <p>5. Inside diameter of well 1.94 in.</p> <p>6. Volume of water in filter pack and well 9.9 gal.</p> <p>7. Volume of water removed from well 48 gal.</p> <p>8. Volume of water added (if any) N/A gal.</p> <p>9. Source of water added N/A</p> <p>10. Analysis performed on water added? ___ Yes ___ No (If yes, attach results)</p>	surged with bailer and bailed	1	surged with bailer and pumped	<input checked="" type="checkbox"/> 61	surged with block and bailed	___ 42	surged with block and pumped	___ 62	surged with block, bailed and pumped	___ 70	compressed air	___ 20	bailed only	___ 10	pumped only	___ 51	pumped slowly	___ 50	Other _____	___	<p>11. Depth to Water (from top of well casing)</p> <p style="text-align: center;">Before Development</p> <p>a. 28.27 ft.</p> <p>Date b. 12 / 3 / 02 mm dd yy</p> <p>Time c. 10:30 <input checked="" type="checkbox"/> a.m. ___ p.m.</p> <p>12. Sediment in well bottom 0 inches</p> <p>13. Water clarity</p> <table style="width:100%;"> <tr><td>Clear</td><td style="text-align: right;">___ 10</td></tr> <tr><td>Turbid</td><td style="text-align: right;"><input checked="" type="checkbox"/> 15</td></tr> <tr><td>Describe</td><td style="text-align: right;">___</td></tr> <tr><td>Brown</td><td style="text-align: right;">___</td></tr> <tr><td>High</td><td style="text-align: right;">___</td></tr> <tr><td> </td><td style="text-align: right;">___</td></tr> <tr><td> </td><td style="text-align: right;">___</td></tr> </table> <p>Fill in if drilling fluids were used and well is at solid waste facility:</p> <p>14. Total suspended solids ___ mg/l 250 mg/l</p> <p>15. COD ___ mg/l ___ mg/l</p>	Clear	___ 10	Turbid	<input checked="" type="checkbox"/> 15	Describe	___	Brown	___	High	___		___		___	<p style="text-align: center;">After Development</p> <p style="text-align: center;">Dry ___ ft.</p> <p style="text-align: center;">12 / 3 / 02 mm dd yy</p> <p style="text-align: center;">12:40 <input checked="" type="checkbox"/> a.m. ___ p.m.</p> <p style="text-align: center;">0 inches</p> <p style="text-align: center;">Clear <input checked="" type="checkbox"/> 20 Turbid ___ 25 Describe ___</p> <p style="text-align: center;">Clear ___ Low ___</p> <p style="text-align: center;">___</p> <p style="text-align: center;">___</p>
surged with bailer and bailed	1																																			
surged with bailer and pumped	<input checked="" type="checkbox"/> 61																																			
surged with block and bailed	___ 42																																			
surged with block and pumped	___ 62																																			
surged with block, bailed and pumped	___ 70																																			
compressed air	___ 20																																			
bailed only	___ 10																																			
pumped only	___ 51																																			
pumped slowly	___ 50																																			
Other _____	___																																			
Clear	___ 10																																			
Turbid	<input checked="" type="checkbox"/> 15																																			
Describe	___																																			
Brown	___																																			
High	___																																			

Additional comments on development:

Volume Removed (gallons)	Temperature Degrees Celcius	pH	Conductivity uMHOS / cm	Color / Turbidity	Odor
5	10	6.3	70	Dark Brown / High	No
10	10	5.7	35	Dark Brown / High	No
20	10	5.8	35	Brown / Medium High	No
25	10	5.8	40	Milky / Medium Low	No
30	10	5.8	40	Milky / Medium Low	No
35	11	5.8	40	Milky / Medium Low	No
40	11	5.8	40	Low	No
48	11	5.8	40	Slightly Cloudy / Low	No

Well developed by: Person's Name and Firm Name: <u>Mike Mueller</u> Firm: <u>Boart Longyear</u> <u>101 Alderson St., Schofield, WI 54476</u>	I hereby certify that the above information is true and correct to the best of my knowledge. Signature: <u>Frank W. Maenner</u> Print Initials: <u>F.W.M.</u> Firm: <u>Ayres Associates, 3433 Oakwood Hills Parkway, Eau Claire, WI 54702</u>
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NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

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 DH-46A	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller			Date Drilling Started 11/19/2002		Date Drilling Completed 11/19/2002	
WI Unique Well No. PE 173		DNR Well ID No.	Common Well Name DH-46A		Final Static Water Level 906.3 Feet MSL	Surface Elevation 933.3 Feet MSL
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	
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W			Long. _____		<input type="checkbox"/> S 2812.797 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	
			0-26	Blind drill to 30'; See DH-46 boring log for soil descriptions from 0' to 30'										

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 **DH-46A**

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	
1 CORE	108 42		30	Rock Core Run #1 30' to 39'; 42" recovery = 39%; Alternating 1" layers Red Brown and olive gray clayey shale with thin (<1/2" thick) light gray fine grained sandstone layers from 30' to 31'; Intermittent layers (1" to 3" thick) of light gray very fine grained sandstone and olive gray (1/4" to 1" thick) soft clayey shale. Cross bedding not evident within the sandstone. Some coarse grained quartz pebbles at 37.5' to 38' mixed with the fine grained sandstone.										Bedrock, RQD = 0% very poor; Fracture Frequency = 2.7
2 CORE	120 43		40	Rock core Run #2 39' to 49"; 43" recovery = 36%. Light gray fine to very fine grained weakly cemented sandstone from 39' to 41'; Few coarse grained quartz pebbles at 40.5' mixed within the fine grained sandstone; Alternating layers of olive gray semi stiff clayey shale (1/16" to 2.75" thick) with thin layers (1/4" to 1/2" thick) of light gray fine to very fine grained sandstone from 41' to 47'; Light gray very fine grained sandstone from 47' to 48' with thin (1/16" thick) olive gray clayey shale layers from 48' to 49';										Bedrock, RQD = 10% very poor; Fracture Frequency = 2.8
3 CORE	120 26		50	Rock Core Run # 3, 49' to 59'; 26" recovery = 22%; Yellow brown to light gray very fine grained sandstone from 49' to 55' then alternating light gray fine grained sandstone with thin (<1/16" thick) olive gray clayey shale layers from 55' to 59'; Few coarse grained quartz pebbles mixed within the fine grained sandstone from 58.5' to 59'.										Bedrock, RQD = 0% very poor; Fracture Frequency = 2.6
4 CORE	60 16.5		60	Rock Core Run #4 59' to 64', 16.5" Recovery = 28%; Light gray fine to very fine grained weakly cemented sandstone; Few coarse gained quartz pebbles mixed with fine grained sandstone at 61' to 63', Thin (<1/16" thick) olive gray clayey shale layers intermixed with light gray very fine grained sandstone from 63' to 64' End of Boring at 64' (elevation = 869.3) Well set at 62' (elevation = 871.3) Ground water elevation 1/28/03 = 886.61										Bedrock, RQD = 0% very poor; Fracture Frequency = 3.0

Route To:

Watershed/Wastewater
Remediation/Redevelopment

Waste Management
Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill	Local Grid Location of Well 2706.469 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S. 2812.797 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.	Well Name DH-46A
Facility License, Permit or Monitoring No. 3097	Grid Origin Location (Check if estimated: <input type="checkbox"/>) Lat. _____ Long. _____ or _____	Wis. Unique Well No. PE 173 DNR Well Number _____
Facility ID 618045450	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 11/19/2002
Type of Well Well Code 12/pz	Section Location of Waste/Source NW 1/4 of SW 1/4 of Sec. 9, T. 27 N, R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W	Well Installed By: (Person's Name and Firm) M. Mueller
Distance Well Is From Waste/Source Boundary 164 ft.	Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Boart Longyear

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>935.93</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4.0</u> in. b. Length: <u>7.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>933.3</u> ft. MSL	d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u>3" Bumper Post</u>
D. Surface seal, bottom <u>932.8</u> ft. MSL or <u>0.5</u> ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USC classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/>	
13. Sieve analysis attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Sand <input checked="" type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Air _____ Other <input type="checkbox"/>	5. Annular space seal: a. Granular Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 50 e. <u>16.9</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input checked="" type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	7. Fine sand material: Manufacturer, product name and mesh size a. <u>#7 Badger</u> b. Volume added <u>0.64</u> ft ³
17. Source of water (attach analysis): _____	8. Filter pack material: Manufacturer, product name and mesh size a. <u>#40 Badger</u> b. Volume added <u>2.93</u> ft ³
E. Bentonite seal, top <u>932.8</u> ft. MSL or <u>0.5</u> ft.	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input checked="" type="checkbox"/> 24 Other <input type="checkbox"/>
F. Fine sand, top <u>880.3</u> ft. MSL or <u>53.0</u> ft.	10. Screen material: <u>PVC</u> a. Screen Type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
G. Filter pack, top <u>878.3</u> ft. MSL or <u>55.0</u> ft.	b. Manufacturer <u>Boart Longyear</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>5.0</u> ft.
H. Screen joint, top <u>876.3</u> ft. MSL or <u>57.0</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
I. Well bottom <u>871.3</u> ft. MSL or <u>62.0</u> ft.	
J. Filter pack, bottom <u>869.3</u> ft. MSL or <u>64.0</u> ft.	
K. Borehole, bottom <u>869.3</u> ft. MSL or <u>64.0</u> ft.	
L. Borehole, diameter <u>6.0</u> in.	
M. O.D. well casing <u>2.37</u> in.	
N. I.D. well casing <u>1.94</u> in.	

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: _____

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Solid Waste Haz. Waste Waste Water
Env. Response & Repair Underground Tanks Other

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill	County Name Eau Claire	Well Name DH-46A
Facility License, Permit or Monitoring Number 3097	County Code 18	Wis. Unique Well Number PE 173
DNR Well Number		

<p>1. Can this well be purged dry? ___ Yes <u>x</u> No</p> <p>2. Well Development method</p> <table style="width:100%; border-collapse: collapse;"> <tr><td>surged with bailer and bailed</td><td style="text-align: right;">1</td></tr> <tr><td>surged with bailer and pumped</td><td style="text-align: right;"><u>x</u> 61</td></tr> <tr><td>surged with block and bailed</td><td style="text-align: right;">42</td></tr> <tr><td>surged with block and pumped</td><td style="text-align: right;">62</td></tr> <tr><td>surged with block, bailed and pumped</td><td style="text-align: right;">70</td></tr> <tr><td>compressed air</td><td style="text-align: right;">20</td></tr> <tr><td>bailed only</td><td style="text-align: right;">10</td></tr> <tr><td>pumped only</td><td style="text-align: right;">51</td></tr> <tr><td>pumped slowly</td><td style="text-align: right;">50</td></tr> <tr><td>Other _____</td><td style="text-align: right;">_____</td></tr> </table> <p>3. Time spent developing well <u>110</u> min.</p> <p>4. Depth of well (from top of well casing) <u>64.55</u> ft.</p> <p>5. Inside diameter of well <u>1.94</u> in.</p> <p>6. Volume of water in filter pack and well <u>7.3</u> gal.</p> <p>7. Volume of water removed from well <u>73</u> gal.</p> <p>8. Volume of water added (if any) <u>N/A</u> gal.</p> <p>9. Source of water added <u>N/A</u></p> <p>10. Analysis performed on water added? ___ Yes ___ No (If yes, attach results)</p>	surged with bailer and bailed	1	surged with bailer and pumped	<u>x</u> 61	surged with block and bailed	42	surged with block and pumped	62	surged with block, bailed and pumped	70	compressed air	20	bailed only	10	pumped only	51	pumped slowly	50	Other _____	_____	<p>11. Depth to Water (from top of well casing)</p> <p style="text-align: center;">Before Development</p> <p>a. <u>49.55</u> ft.</p> <p style="text-align: center;">After Development</p> <p style="text-align: center;"><u>49.62</u> ft.</p> <p>Date b. <u>12 / 3 / 02</u> mm dd yy</p> <p>Time c. <u>12:45</u> <u>x</u> a.m. p.m.</p> <p>12. Sediment in well bottom <u>0</u> inches</p> <p>13. Water clarity</p> <table style="width:100%; border-collapse: collapse;"> <tr><td>Clear</td><td style="text-align: right;">10</td></tr> <tr><td>Turbid</td><td style="text-align: right;"><u>x</u> 15</td></tr> <tr><td>Describe</td><td></td></tr> <tr><td>Light Brown</td><td></td></tr> <tr><td>High</td><td></td></tr> <tr><td>_____</td><td></td></tr> <tr><td>_____</td><td></td></tr> <tr><td>_____</td><td></td></tr> </table> <p style="text-align: center;">Fill in if drilling fluids were used and well is at solid waste facility:</p> <p>14. Total suspended solids <u>_____</u> mg/l <u>2.65</u> mg/l</p> <p>15. COD <u>_____</u> mg/l <u>_____</u> mg/l</p>	Clear	10	Turbid	<u>x</u> 15	Describe		Light Brown		High		_____		_____		_____	
surged with bailer and bailed	1																																				
surged with bailer and pumped	<u>x</u> 61																																				
surged with block and bailed	42																																				
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surged with block, bailed and pumped	70																																				
compressed air	20																																				
bailed only	10																																				
pumped only	51																																				
pumped slowly	50																																				
Other _____	_____																																				
Clear	10																																				
Turbid	<u>x</u> 15																																				
Describe																																					
Light Brown																																					
High																																					

Additional comments on development:

Volume Removed (gallons)	Temperature Degrees Celcius	pH	Conductivity uMHOS / cm	Color / Turbidity	Odor
5	11	5.8	55	Light Brown / High	No
10	10	5.7	50	Cloudy / Medium Low	No
20	10	5.8	50	Milky / Medium Low	No
30	10	5.8	50	Slightly Milky / Medium Low	No
40	10	5.5	50	Clear / Low	No
50	10	5.5	50	Clear / Low	No
60	10	5.5	50	Clear / Low	No
70	10	5.5	50	Clear / Low	No
73	10	5.5	50	Clear / Low	No

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: <u>Mike Mueller</u>	Signature: <u>Frank W. Maenner</u>
Firm: <u>Boart Longyear</u>	Print Initials: <u>F.W.M.</u>
<u>101 Alderson St., Schofield, WI 54476</u>	Firm: <u>Ayres Associates, 3433 Oakwood Hills Parkway, Eau Claire, WI 54702</u>

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

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 DH-47	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller		Date Drilling Started 11/25/2002	Date Drilling Completed 11/25/2002	Drilling Method 4 1/4" HSA	
WI Unique Well No. PE 174	DNR Well ID No.	Common Well Name DH-47	Final Static Water Level 908.2 Feet MSL	Surface Elevation 923.2 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)		
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W			Lat. _____"	<input checked="" type="checkbox"/> N <input 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
			2.5	Dark Brown silt with fine sand 10YR3/3	SM										
2 SS	24	4	5.0	Yellow brown fine sand with silt 10YR5/4	SM					M					Alluvium
3 SH	24	6	7.5	Yellow brown silt, some clay little fine sand 10YR5/4	ML					21.1%	20	1	83.3		Alluvium Pushed Shelby 1/6 to 8 Feet
4 SS	24	8	10.0	Brownish yellow silt with fine sand 10YR6/6	SM					M					Alluvium
5 SS	24	5	15.0	Light yellow brown clayey weathered shale 10YR6/4						W			35.5		Residual
		7	17.5	Light yellow brown friable weathered sandstone 10YR6/4											
6 SS	6	50/2	20.0	Light gray friable weathered sandstone 10YR7/2						W					Residual
7 SS	6	50/2	22.5	Light gray friable weathered sandstone 10YR7/2						W					Residual
End of Boring at 24.5' (elevation = 898.7) Well set at 23' (elevation = 900.2) Ground water elevation 1/28/03 = 906.89															

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**

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill	Local Grid Location of Well 2053.01 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S. 2850.443 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.	Well Name DH-47
Facility License, Permit or Monitoring No. 3097	Grid Origin Location (Check if estimated: <input type="checkbox"/>) Lat. _____ Long. _____ or _____	Wis. Unique Well No / DNR Well Number PE 174
Facility ID 618045450	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 11/25/2002
Type of Well Well Code 11/mw	Section Location of Waste/Source NW 1/4 of SW 1/4 of Sec. 9, T. 27 N, R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W	Well Installed By: (Person's Name and Firm) M. Mueller
Distance Well Is From Waste/Source Boundary 158 ft.	Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Boart Longyear

- A. Protective pipe, top elevation _____ ft. MSL
- B. Well casing, top elevation 925.71 ft. MSL
- C. Land surface elevation 923.2 ft. MSL
- D. Surface seal, bottom 923.0 ft. MSL or 0.2 ft.

12. USC classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

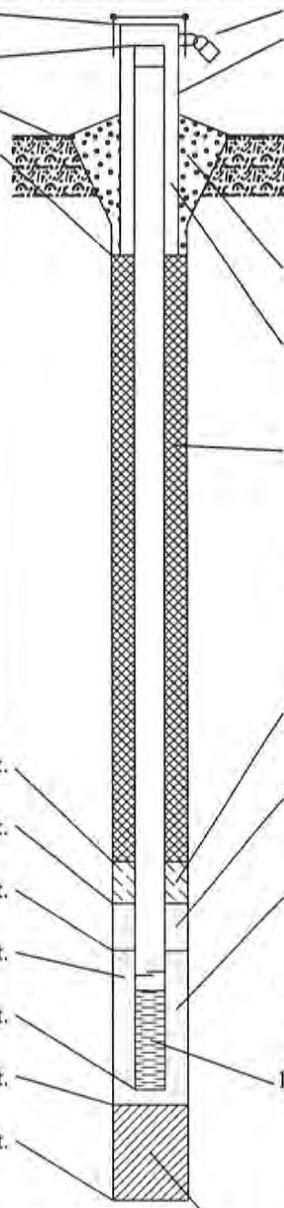
13. Sieve analysis attached? Yes No

14. Drilling method used: Rotary 5 0
 Hollow Stem Auger 4 1
 Other

15. Drilling fluid used: Water 0 2 Air 0 1
 Drilling Mud 0 3 None 9 9

16. Drilling additives used? Yes No
 Describe _____

17. Source of water (attach analysis):



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: 4.0 in.
 - b. Length: 7.0 ft.
 - c. Material: Steel 0 4
Other
 - d. Additional protection? Yes No
If yes, describe: 3" Bumper Post
- 3. Surface seal:
 - Bentonite 3 0
 - Concrete 0 1
 - Other
- 4. Material between well casing and protective pipe:
 - Bentonite 3 0
 - #40 Badger Other
- 5. Annular space seal:
 - a. Granular Bentonite 3 3
 - b. _____ Lbs/gal mud weight . Bentonite-sand slurry 3 5
 - c. _____ Lbs/gal mud weight . . . Bentonite slurry 3 1
 - d. _____ % Bentonite . . . Bentonite-cement grout 5 0
 - e. 2.87 Ft³ volume added for any of the above
 - f. How installed: Tremie 0 1
Tremie pumped 0 2
Gravity 0 8
- 6. Bentonite seal:
 - a. Bentonite granules 3 3
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 3 2
 - c. _____ Other
- 7. Fine sand material: Manufacturer, product name and mesh size
 - a. #7 Badger
 - b. Volume added 0.64 ft³
- 8. Filter pack material: Manufacturer, product name and mesh size
 - a. #40 Badger
 - b. Volume added 4.00 ft³
- 9. Well casing:
 - Flush threaded PVC schedule 40 2 3
 - Flush threaded PVC schedule 80 2 4
 - Other
- 10. Screen material: PVC
 - a. Screen Type:
 - Factory cut 1 1
 - Continuous slot 0 1
 - Other
 - b. Manufacturer Boart Longyear
 - c. Slot size: 0.010 in.
 - d. Slotted length: 10.0 ft.
- 11. Backfill material (below filter pack):
 - None 1 4
 - Other

- E. Bentonite seal, top 923.0 ft. MSL or 0.2 ft.
- F. Fine sand, top 914.2 ft. MSL or 9.0 ft.
- G. Filter pack, top 912.2 ft. MSL or 11.0 ft.
- H. Screen joint, top 910.2 ft. MSL or 13.0 ft.
- I. Well bottom 900.2 ft. MSL or 23.0 ft.
- J. Filter pack, bottom 898.7 ft. MSL or 24.5 ft.
- K. Borehole, bottom 898.7 ft. MSL or 24.5 ft.
- L. Borehole, diameter 8.0 in.
- M. O.D. well casing 2.37 in.
- N. I.D. well casing 1.94 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature Frank Macnner Firm Ayres Associates Tel: _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Solid Waste Haz. Waste ___ Waste Water ___
Env. Response & Repair ___ Underground Tanks ___ Other ___

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill		County Name Eau Claire	Well Name DH-47	
Facility License, Permit or Monitoring Number 3097		County Code 18	Wis. Unique Well Number PE 174	DNR Well Number
1. Can this well be purged dry? ___ Yes <input checked="" type="checkbox"/> No 2. Well Development method surged with bailer and bailed _____ 1 surged with bailer and pumped <input checked="" type="checkbox"/> 61 surged with block and bailed _____ 42 surged with block and pumped _____ 62 surged with block, bailed and pumped _____ 70 compressed air _____ 20 bailed only _____ 10 pumped only _____ 51 pumped slowly _____ 50 Other _____ <input checked="" type="checkbox"/>		11. Depth to Water (from top of well casing) a. <u>18.22</u> ft. Before Development b. <u>12 / 3 / 02</u> After Development mm dd yy c. <u>3:00</u> <input checked="" type="checkbox"/> a.m. 12 / 3 / 02 p.m. mm dd yy		12. Sediment in well bottom <u>0</u> inches 13. Water clarity Clear _____ 10 Turbid <input checked="" type="checkbox"/> 15 Describe _____ Dark Brown _____ High _____ _____ Clear _____ _____ Low _____ _____
3. Time spent developing well <u>60</u> min. 4. Depth of well (from top of well casing) <u>25.40</u> ft. 5. Inside diameter of well <u>1.94</u> in. 6. Volume of water in filter pack and well <u>6.8</u> gal. 7. Volume of water removed from well <u>70</u> gal. 8. Volume of water added (if any) <u>N/A</u> gal. 9. Source of water added <u>N/A</u>		Fill in if drilling fluids were used and well is at solid waste facility: 14. Total suspended solids _____ mg/l <u>3.92</u> mg/l 15. COD _____ mg/l _____ mg/l		
10. Analysis performed on water added? ___ Yes ___ No (If yes, attach results)				

Additional comments on development:

Volume Removed (gallons)	Temperature Degrees Celcius	pH	Conductivity uMHOS / cm	Color / Turbidity	Odor
5	10	5.8	30	Dark Brown / High	No
10	10	5.6	30	Brown / High	No
20	10	5.0	35	Light Brown / Medium	No
30	10	5.3	35	Milky / Medium Low	No
40	10	5.2	35	Milky / Low	No
50	10	5.2	30	Clear / Low	No
60	10	5.2	30	Clear / Low	No
70	10	5.2	30	Clear / Low	No

Well developed by: Person's Name and Firm

Name: Mike Mueller
Firm: Boart Longyear
101 Alderson St., Schofield, WI 54476

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

Signature: Frank W. Maenner
Print Initials: F.W.M.
Firm: Ayres Associates, 3433 Oakwood Hills Parkway, Eau Claire, WI 54702

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

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 DH-47A	
Boring Drilled By (Firm name and name of crew chief) Boart Longyear - M. Mueller			Date Drilling Started 11/25/2002		Date Drilling Completed 11/25/2002	
					Drilling Method 4 1/4" HSA	
WI Unique Well No. PE 175	DNR Well ID No.	Common Well Name DH-47A	Final Static Water Level 907.9 Feet MSL		Surface Elevation 922.9 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	
NW 1/4 of SW 1/4 of Section 9 , T 27 N, R 8 W			Long. _____ ' _____ "		<input type="checkbox"/> S 2054.131 Feet <input type="checkbox"/> W 2843.323 Feet	
Facility ID 618045450		County Eau Claire	County Code 18	Civil Town/City/ or Village Town of Seymour		

Sample				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)	Blow Counts	Depth In Feet						Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			2 4 6 8 10 12 14 16 18 20 22 24	Blind drill to 29'; See DH-47 boring log for soil descriptions from 0' to 29'											

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 **DH-47A** 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	
1 SS	24 2	50/.2	26 28 30 32	Brownish yellow friable weathered sandstone 10YR6/6					W				Residual	
2 SS	24 2	50/.2	34 36	Olive gray clayey weathered shale White friable weathered sandstone 10YR8/2					W				Residual	
3 SS	24 2	50/.2	38 40 42 44	Light gray friable weathered sandstone 10YR7/2					W				Residual	
4 SS	24 2	50/.2	46 48	Light gray friable weathered sandstone 10YR7/2					W		1.3		Residual	
				End of Boring at 48' (elevation = 874.9) Well set at 48' (elevation = 874.9) Ground water elevation 1/28/03 = 885.89										

Facility/Project Name Onyx-Superior Seven Mile Creek Landfill	Local Grid Location of Well 2054.131 ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S. 2843.323 ft. <input checked="" type="checkbox"/> E. <input type="checkbox"/> W.	Well Name DH-47A
Facility License, Permit or Monitoring No. 3097	Grid Origin Location (Check if estimated: <input type="checkbox"/>) Lat. _____ Long. _____ or _____	Wis. Unique Well No. / DNR Well Number PE 175
Facility ID 618045450	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 11/25/2002
Type of Well Well Code 12/pz	Section Location of Waste/Source NW 1/4 of SW 1/4 of Sec. 9, T. 27 N, R. 8 <input type="checkbox"/> E <input checked="" type="checkbox"/> W	Well Installed By: (Person's Name and Firm) M. Mueller
Distance Well Is From Waste/Source Boundary 151 ft.	Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Boart Longyear

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>925.25</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4.0</u> in. b. Length: <u>7.0</u> ft. c. Material: _____ Steel <input checked="" type="checkbox"/> 0.4 Other <input type="checkbox"/> _____
C. Land surface elevation <u>922.9</u> ft. MSL	d. Additional protection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u>3" Bumper Post</u>
D. Surface seal, bottom <u>922.7</u> ft. MSL or <u>0.2</u> ft.	3. Surface seal: _____ Bentonite <input checked="" type="checkbox"/> 3.0 Concrete <input type="checkbox"/> 0.1 Other <input type="checkbox"/> _____
12. USC classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/>	4. Material between well casing and protective pipe: _____ Bentonite <input type="checkbox"/> 3.0 <u>#40 Badger</u> Other <input checked="" type="checkbox"/> _____
13. Sieve analysis attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Annular space seal: a. Granular Bentonite <input checked="" type="checkbox"/> 3.3 b. _____ Lbs/gal mud weight . Bentonite-sand slurry <input type="checkbox"/> 3.5 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 3.1 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5.0 e. <u>12.4</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0.1 Tremie pumped <input type="checkbox"/> 0.2 Gravity <input checked="" type="checkbox"/> 0.8
14. Drilling method used: Rotary <input type="checkbox"/> 5.0 Hollow Stem Auger <input checked="" type="checkbox"/> 4.1 Other <input type="checkbox"/> _____	6. Bentonite seal: a. Bentonite granules <input checked="" type="checkbox"/> 3.3 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 3.2 c. _____ Other <input type="checkbox"/> _____
15. Drilling fluid used: Water <input type="checkbox"/> 0.2 Air <input type="checkbox"/> 0.1 Drilling Mud <input type="checkbox"/> 0.3 None <input type="checkbox"/> 9.9	7. Fine sand material: Manufacturer, product name and mesh size a. <u>#7 Badger</u> b. Volume added <u>0.64</u> ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name and mesh size a. <u>#40 Badger</u> b. Volume added <u>2.58</u> ft ³
17. Source of water (attach analysis): _____	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 2.3 Flush threaded PVC schedule 80 <input checked="" type="checkbox"/> 2.4 Other <input type="checkbox"/> _____
E. Bentonite seal, top <u>922.7</u> ft. MSL or <u>0.2</u> ft.	10. Screen material: <u>PVC</u> a. Screen Type: Factory cut <input checked="" type="checkbox"/> 1.1 Continuous slot <input type="checkbox"/> 0.1 Other <input type="checkbox"/> _____
F. Fine sand, top <u>883.9</u> ft. MSL or <u>39.0</u> ft.	b. Manufacturer <u>Boart Longyear</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>5.0</u> ft.
G. Filter pack, top <u>881.9</u> ft. MSL or <u>41.0</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1.4 Other <input type="checkbox"/> _____
H. Screen joint, top <u>879.9</u> ft. MSL or <u>43.0</u> ft.	
I. Well bottom <u>874.9</u> ft. MSL or <u>48.0</u> ft.	
J. Filter pack, bottom <u>873.9</u> ft. MSL or <u>49.0</u> ft.	
K. Borehole, bottom <u>874.9</u> ft. MSL or <u>48.0</u> ft.	
L. Borehole, diameter <u>8.0</u> in.	
M. O.D. well casing <u>2.37</u> in.	
N. I.D. well casing <u>1.94</u> in.	

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: _____

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms 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 DH-50	
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	Drilling Method 4 1/4" HSA	
WI Unique Well No. PE 200	DNR Well ID No. DH-50	Common Well Name DH-50	Final Static Water Level 890.8 Feet MSL	Surface Elevation 907.3 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. 43° 15' 00" N	<input checked="" type="checkbox"/> N	<input checked="" type="checkbox"/> E
			Long. 89° 30' 00" W	<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 22	3 3 5 3	2	Very dark gray brown silt with fine sand 10YR3/2	SM					M					Alluvium
2 SS	24 16	2 5 6 12	6	Yellow brown fine sand with silt 10YR5/4	SM					M					Alluvium
3 SS	24 17	3 9 12 16	10	Yellow brown fine sand with silt 10YR5/4	SM					W					Alluvium
4 SS	24 16	6 9 12 13	16	Yellow brown fine sand with silt 10YR5/4 8" brown silt lense from 15.6' to 16.3'	SM ML					W			35.0		Alluvium
			18	Yellow brown fine sand, some silt 10YR5/4	SP-SM										
5 SS	24 16	9 13 13 14	20	Yellow brown fine sand, some silt 10YR5/4	SP-SM					W			8.8		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** Tel: _____ Fax: _____

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.

Boring Number **DH-50** 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	7 7 10 30	26	Yellow brown fine sand, some silt 10YR5/4	SP-SM				W				Alluvium	
7 SS	24 18	8 9 11 16	30	Yellow brown fine sand, some silt 10YR5/4	SP-SM				W				Alluvium	
8 SS	24 18	1 2 8 9	36	Light yellow brown fine sand, some silt 10YR6/4	SP-SM				W				Alluvium	
9 SS	24 18	9 7 6 8	40	Yellow brown fine sand, some silt 10YR5/4	SP-SM				W				Alluvium	
				End of Boring at 42' (elevation = 865.3) Well set at 25' (elevation = 882.3) Ground water elevation 1/28/03 = 889.64										

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 Seven Mile Landfill	
Well/Drillhole/Borehole Location DH-50	County Eau Claire	Original Well Owner (If Known)	
1/4 of _____ 1/4 of Sec. _____ ; T. _____ N; R. _____ <input type="checkbox"/> E <input type="checkbox"/> W (If Applicable)		Present Well Owner Seven Mile Landfill	
Gov't Lot _____ Grid Number _____		Street or Route	
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, WI	
Civil Town Name		Facility Well No. and/or Name (If Applicable) DH-50	WI Unique Well No.
Street Address of Well		Reason For Abandonment Landfill Expansion	
City, Village Eau Claire		Date of Abandonment 04/06/05	

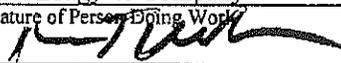
WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____</p> <p><input checked="" type="checkbox"/> Monitoring Well Construction Report Available? <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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) <u>26.0</u> Casing Diameter (in.) <u>2.00</u> (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) <u>22.0</u></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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If No, Explain <u>Overdrilled</u></p> <hr/> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Conductor Pipe - Gravity <input checked="" 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> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Neat Cement Grout</td> <td><input type="checkbox"/> Bentonite Pellets</td> </tr> <tr> <td><input type="checkbox"/> Sand-Cement (Concrete) Grout</td> <td><input type="checkbox"/> Granular Bentonite</td> </tr> <tr> <td><input type="checkbox"/> Concrete</td> <td><input checked="" type="checkbox"/> Bentonite-Cement Grout</td> </tr> <tr> <td><input type="checkbox"/> Clay-Sand Slurry</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Bentonite-Sand Slurry</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Chipped Bentonite</td> <td></td> </tr> </table>	<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 type="checkbox"/> Chipped Bentonite	
<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 type="checkbox"/> Chipped Bentonite													

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite-Cement Grout	Surface	26.0	60 Gallons

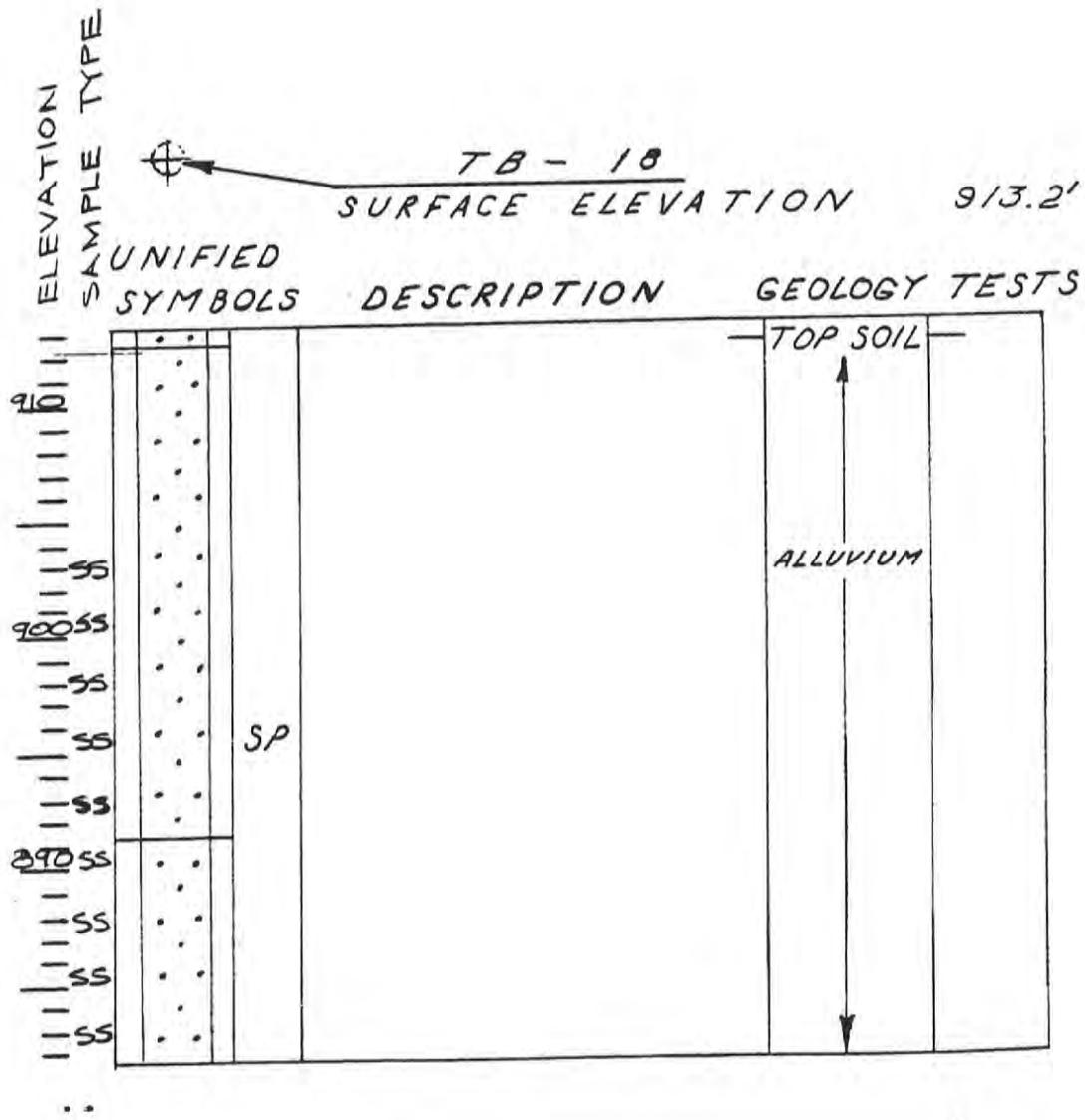
(8) Comments _____

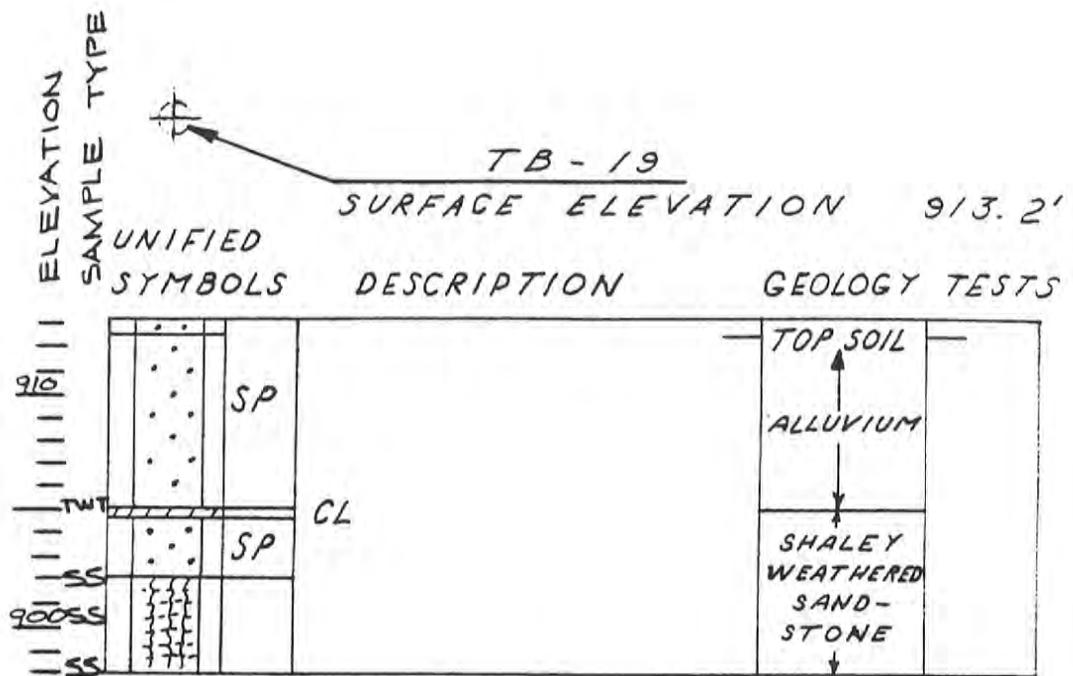
(9) Name of Person or Firm Doing Sealing Work
Boart Longyear Company

Signature of Person Doing Work 	Date Signed 04-23-05
Street or Route 101 Alderson Street	Telephone Number 715-359-7090
City, State, Zip Code Schofield, WI 54476	

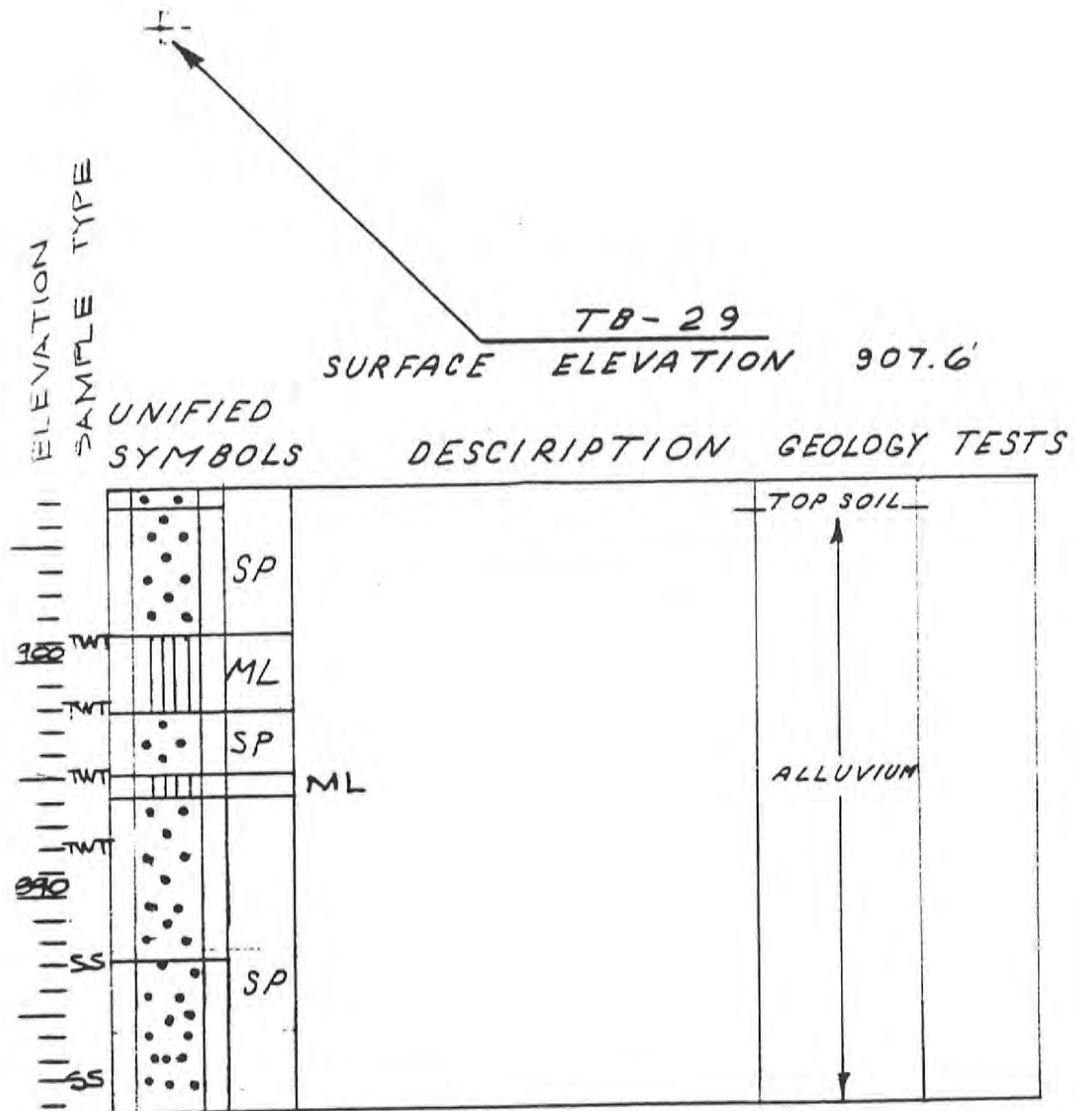
(10) FOR DNR OR COUNTY USE ONLY

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





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-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'				Aluminum		Hollow Stem Auger	
					Sand, Brn., M, w/ yellow seams		SP					
1	7	7	13	X	Sand, Lt. Brn., M, w/ little silt	M	SP-SM		Aluminum		Revised	
	6		R 1.5		Sand, Brn., M, w/ trc. clay							
2	15	23	44	X	Sand, Brn., M, w/ varied silt seams	M	SP-SM			10		
	21		R 1.5		Sand, white, C-F, w/ Brn. Rust seams	M	SP					
3	6	46	100	X	Sand, Brn., w/ so. clay	M	SM		Residual			
	54		R-1.1		Sand, white, C-F, w/ Brn. Rust seams ↑	W	SP					
4	100	6	100	X	Sand, Lt. Brn. C-F, sandstone	W	SP			20		
			R.O.6		Sand, Lt. Brn. C-F, w/ mottled rust brown seams							
5	100	5	100	X	E.O.B. 25.6'							
			R.O.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 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/so 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-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	

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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 & 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	

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 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.



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				
10	100/12		100 R 0.2	X	E.O.B. 50.2				Residuum	50	

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- =
- =

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-39
SURFACE ELEV. 914.0 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 (TSF)	GEOLOGY	DEPTH	ELEV.
	6"	6"	per ft.								
					Topsoil 0.4'						
					Sand, rd-brn., M-F, w/so silt.						
1	5 7	3	10 R1.2	X		M	SM		uvium		HOLLOW STEM Auger
					Sandy silt, brn. M-F						
2	7 15	11	26 R1.2	X	Sand, yel-brn., F, w/trc. silt, mottled	M	SP		Alluvium	10	
3	7 3	7	10 R1.0	Y	Sand, yel-brn., F, w/seams of brn. Clay (LL) and s.s. Frggs.	W	SP				
4	100/12		100 R0.2	Y	Sandstone H.S.A. Refusal 18.0' E.O.B. 18.2' Note: Moved 8' N. Refusal @ 18' (H ₂ O @ 16.5')				Residual	20	

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- =
- =

PROJECT Seven Mile L.F
 DATE(S) DRILLED 4-11-85
 LOCATION 26+46N, 17+47E
 GROUNDWATER: 12.8 FT. BELOW GS. AT ELEV. OF 901.2
 DRILLERS: M.P. for JOB NO. 4731-00
W.T.D. 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'						

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- =
- =

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-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-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 —

- C = ROCK CORE
- A = AUGER SAMPLE
- 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.

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 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 —

- C = ROCK CORE
- A = AUGER SAMPLE
- 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 _____

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		Borehole Diameter 8.0 Inches	
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			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 2899.285 Feet <input type="checkbox"/> S 1268.389 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 Dark brown silt with fine sand 10YR4/3	SM										Alluvium
2 SS	24 18	3 5 6	4-6	Yellow brown silt, some clay, little fine sand 10YR5/4	CL-ML					M	21	5	56.8		Alluvium
3 SS	24 17	6 6 9	6-9	Yellow brown fine sand, some silt 10YR5/6	SP-SM					M					Alluvium
4 SS	24 18	6 5 9 8	10-12	Yellow brown silt with fine sand 10YR5/4	SM					M					Alluvium
5 SS	24 17	6 5 10 11	14-16	Yellow brown silt with fine sand 10YR5/4 Yellow brown fine sand, some silt 10YR5/6	SM SP-SM					M					Alluvium
6 SS	24 19	5 10 13 17	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** 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 _____	(10) FOR DNR OR COUNTY USE ONLY
(9) Name of Person or Firm Doing Sealing Work Ayres Associates w/ Boart Longyear	
Signature of Person Doing Work Frank Maenner	
Street or Route 3433 Oakwood Hills Parkway	
City, State, Zip Code Eau Claire, WI 54702	Date Received/Inspected June 4, 2003
Telephone Number (715) 834-3161	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 NW 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W			Local Grid Location (If applicable)		
S/C/N S/C/N			Lat. <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> E		
Long. <input type="checkbox"/> S <input type="checkbox"/> W			2907.18 Feet <input type="checkbox"/> S 1652.31 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 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	
(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 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 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
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"/> 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"/> 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)</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 <u>NA</u></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) Bourt Longyear - P. Dickinson		Date Drilling Started 11/6/2002		Date Drilling Completed 11/6/2002	
Drilling Method 4 1/4" HSA		Final Static Water Level 878.2 Feet MSL		Surface Elevation 919.2 Feet MSL	
WI Unique Well No.	DNR Well ID No.	Common Well Name TB-64	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		
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									Alluvium
2 SS	24 17	6 8 7 7	6	Yellow brown fine sand, some silt 10YR5/6	SP-SM									Alluvium
3 SS	24 18	7 9 12 12	10	Yellow brown fine sand, some silt 10YR5/6	SP-SM									Alluvium
4 SS	24 20	12 12 13 16	12	Brown silt lense at 11.8' Yellow brown fine sand, some silt 10YR5/6	SP-SM									Alluvium
5 SS	24 19	15 12 22 31	20	Yellow brown fine sand, some silt 10YR5/6	SP-SM									Alluvium
				Pale brown fine sand, some silt 10YR6/3	SP-SM									

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			Y		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.

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 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	

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>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		(4) Depth to Water (Feet) <u>41.0</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>	
		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 type="checkbox"/> Conductor Pipe - Gravity <input checked="" 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 checked="" 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-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 <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-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										

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 3297.009 Feet 1872.233 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	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 SP-SM										
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 28	Pale brown fine sand, some silt 10YR6/3	SP-SM				M				Alluvium	
7 SS	24 20	8 21 32 36	30 32	Very pale brown fine sand, some silt 10YR7/4	SP-SM				M				Alluvium	
8 SS	24 16	8 17 32 41	36 38	Very pale brown fine sand, some silt 10YR7/4	SP-SM				M				Alluvium	
9 SS	24 19	12 22 35 42	40 42	Dark brown fine sand, some silt 7.5YR4/4	SP-SM				W				Alluvium	
10 SS	24 20	8 11 13 19	46 48	Brown fine sand, some silt 7.5YR5/4	SP-SM				W				Alluvium	
11 SS	24 11	7 14 16 20	50 52	Brown fine sand, some silt, some weakly cemented sandstone fragments 10YR5/3					W				Residual	
12 SS	12 10	46 50/.3	56 58	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					W				Residual	
				End of Boring at 60.5' (elevation = 859.5); Boring backfilled with 300 gallons Bentonite-Cement Grout										

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
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	<input type="checkbox"/> Conductor Pipe - Gravity <input checked="" 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.) _____ Lower Drillhole Diameter (in.) _____	(6) Sealing Materials
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	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 checked="" type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Chipped Bentonite

(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	Drilling Method 4 1/4" HSA	
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: <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			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.

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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 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>
---	---

(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	

Boring Number **TB-70**

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 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 Report Available? <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 <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 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-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 <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			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	26	Light yellow brown fine sand, some silt 10YR6/4	SP-SM							1.8	Alluvium	
		19												
7 SS	24 17	26	30	Very pale brown fine sand, some silt 10YR7/3	SP-SM								Alluvium	
		28												
		30												
		32												
8 SS	24 14	34	36	Light gray fine sand, some silt 10YR7/2	SP-SM								Alluvium	
		35												
		36												
		38												
9 SS	24 20	38	40	Pale brown fine sand, some silt 10YR6/3	SP-SM								Alluvium	
		41												
		40												
		41												
				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 Report Available? <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 <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 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 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 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

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

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		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 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	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Other (Specify)		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft) _____ Casing Diameter (in.) _____		(5) Required Method of Placing Sealing Material	
(From ground surface) 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		(6) Sealing Materials	
If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Neat Cement Grout	
		For monitoring wells and monitoring well boreholes only	
		<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-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 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 checked="" type="checkbox"/> E Long. _____ " <input type="checkbox"/> S <input type="checkbox"/> W 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. <u>9</u> ; T. <u>27</u> N; R. <u>8</u> <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	(4) Depth to Water (Feet) <u>21.0</u>	
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	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____		Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Lower Drillhole Diameter (in.) _____		If No, Explain <u>NA</u>	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		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.

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)	
SW <u>1/4</u> of SW <u>1/4</u> of Sec. <u>9</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>2412.267</u> ft. <input checked="" type="checkbox"/> N. <input type="checkbox"/> S., <u>2350.976</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-78</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>11/18/02</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>31.0</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) _____ 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		<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"/> 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 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	55.0	18 Bags

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

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 2 2	1 2	Topsoil	SM										Alluvium
				Dark yellow brown silt with fine sand 10YR4/4											
2 SS	24 20	2 5 5 11	6 8	Light yellow brown fine sand, some silt 10YR6/4	SP-SM										Alluvium
3 SS	24 20	10 10 17 20	10 12	Light yellow brown fine sand, some silt 10YR6/4	SP-SM										Alluvium
4 SS	24 20	7 15 19 23	16 18	Very pale brown fine sand, some silt 10YR7/4	SP-SM										Alluvium
5 SS	24 20	15 11 12 15	20 22	Light yellow brown fine sand, some silt 10YR6/4	SP-SM										Alluvium

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 _____
--	--

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) _____		Pump & Piping 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		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		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		If No, Explain NA	
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	
Lower Drillhole Diameter (in.) _____		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
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	
		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 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	