

May 21, 1998

Mr. Doug Joseph
Wisconsin Department of Natural Resources
1300 West Clairemont Avenue
P.O. Box 4001
Eau Claire, Wisconsin 54702-4001

RECEIVED

MAY 27 1998

DNR - WD

**Re: Report of Preliminary Findings
Tarco South Property
2100 East Avenue North, Onalaska, Wisconsin 54650
WDNR ID # 02-32-000209**

Dear Mr. Joseph:

The purpose of this letter is to report the findings of the limited site investigation at the Tarco South Property site. A site location map is provided in Figure 1.

SOIL INVESTIGATION

On April 13, 1998, and April 16-17, 1998, Briohn Environmental Contractors of Pewaukee, Wisconsin, under the supervision of Fluid Management (FMI), advanced six test borings, four of which were completed as groundwater monitoring wells. The following summarizes the findings of the soil investigation activities:

- Four test borings, which were completed as groundwater monitoring wells (MW-1 through MW-4), were advanced to depths of 77-108 feet below ground surface (bgs). These borings were sampled continuously to 10 feet bgs and at 10-foot intervals thereafter, until the completion of each boring.
- Two additional test borings (TB-1 and TB-2) were advanced and sampled continuously to approximately 20 feet bgs. TB-1 was abandoned at approximately 20 feet bgs. TB-2, which was advanced to the groundwater table, was sampled at 5-foot intervals from 20-50 feet bgs and at 10-foot intervals thereafter, until completion of the boring (approximately 66 feet bgs). Figure 2 displays the monitoring well and test boring locations.
- Soil samples were collected from the borings and classified as to soil type according to the Unified Soil Classification System (USCS). Soils

encountered during site investigation activities consisted of silt with sand from the surface to approximately 8 feet bgs; and silt with sand, silty sand, and fine to coarse-grain sand from approximately 8 feet bgs to the deepest extent of exploration (approximately 108 feet bgs). Borings logs and abandonment forms are provided in Attachment A.

- Bedrock was not encountered during site investigation activities. Based on well construction reports for the area, bedrock is anticipated to be located at depths of approximately 185 feet bgs (Wisconsin Geological and Natural History Survey [WGNHS] nd).
- Groundwater was encountered in five of the test borings (MW-1 through MW-4 and TB-2) at depths of approximately 64-100 feet bgs. The depth to groundwater varies considerably due to changes in topography across the site.
- Soil samples were field screened from all test borings with a portable photoionization detector (PID). PID readings from all sample intervals were less than 10 ppmv.
- Soil samples collected from the soil/groundwater interface in MW-1 through MW-4, and TB-2 were submitted for laboratory analysis. Two soil samples collected from the unsaturated zone in TB-1 and one soil sample collected from the unsaturated zone in TB-2 were also submitted for laboratory analysis. Soil samples submitted for laboratory analysis were analyzed for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Additional soil samples representing near surface conditions collected from TB-1 and TB-2 were submitted for laboratory analysis of RCRA metals. Table 1 summarizes the soil laboratory analytical results.

GROUNDWATER INVESTIGATION

The following summarizes the findings of the groundwater investigation:

- Monitoring wells were set at depths of approximately 77-108 feet bgs with 15 feet of screen. WDNR Monitoring Well Construction and Development forms are provided in Attachment B.
- Monitoring well MW-1 was sampled on April 14, 1998, and monitoring wells MW-2 through MW-4 were sampled on April 20 & 22, 1998.

Groundwater samples submitted for laboratory analysis were analyzed for VOCs and SVOCs. The groundwater sample collected from MW-1 was also analyzed for methyl ethyl ketone.

- The groundwater samples submitted for laboratory analysis displayed either an NR 140 Enforcement Standard (ES) or Preventive Action Limit (PAL) exceedance in each of the four monitoring wells (MW-1 through MW-4). Contaminant compounds above NR 140 ESs or PALs included (at maximum concentrations) Trichloroethane (30 ppb) and Tetrachloroethane (2.8 ppb). Table 2 summarizes the groundwater laboratory analytical results.
- The four monitoring wells locations and top-of-casing elevations were surveyed by Northwoods Surveying of Wausau, Wisconsin. Groundwater elevation data obtained from the four monitoring wells on two occasions displayed a groundwater flow direction to the southwest. Figure 3 illustrates the potentiometric surface on May 15, 1998. Please note that at the time of this letter the monitoring well location map has not been finalized by the surveyor. Therefore, monitoring well locations are approximate.

I will be contacting you to discuss this project. If you require additional information, please contact me at (608) 781-5470.

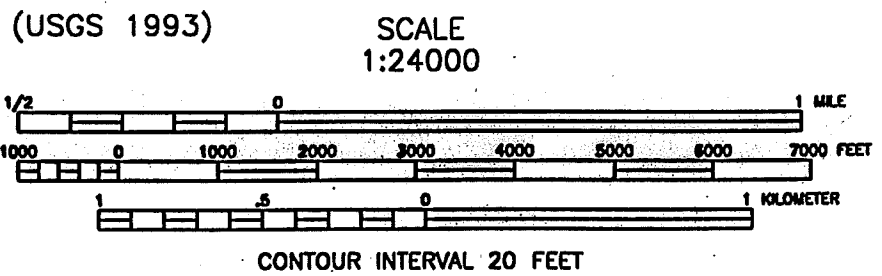
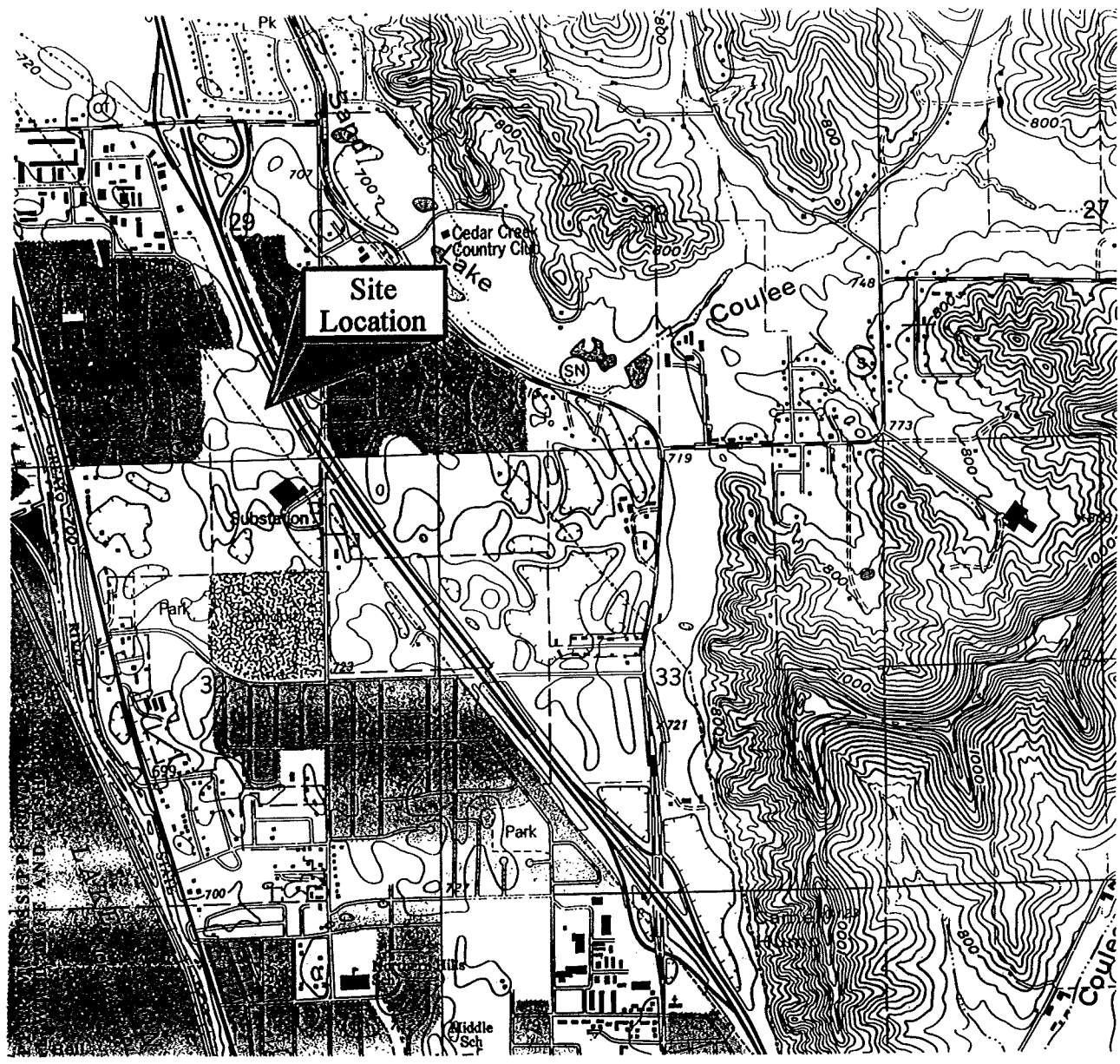
Sincerely,
FLUID MANAGEMENT
A DIVISION OF ENVIROGEN, INC.


By: 

Ted R. Hubbes P.G.
Senior Hydrogeologist

cc: Mr. Bob Tooke

DRAWING NO. 96.763W1 DRAWN BY: RRT 3/11/98 CHECKED BY: KHS 4/1/98 APPROVED BY: NCH 4.1.98



Fluid Management
A Division of ENVIROGEN, Inc.



**Site Location Map
Tarco South Property Site
Onalaska, Wisconsin**

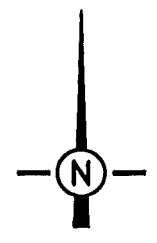


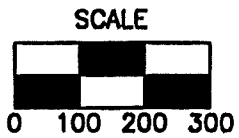
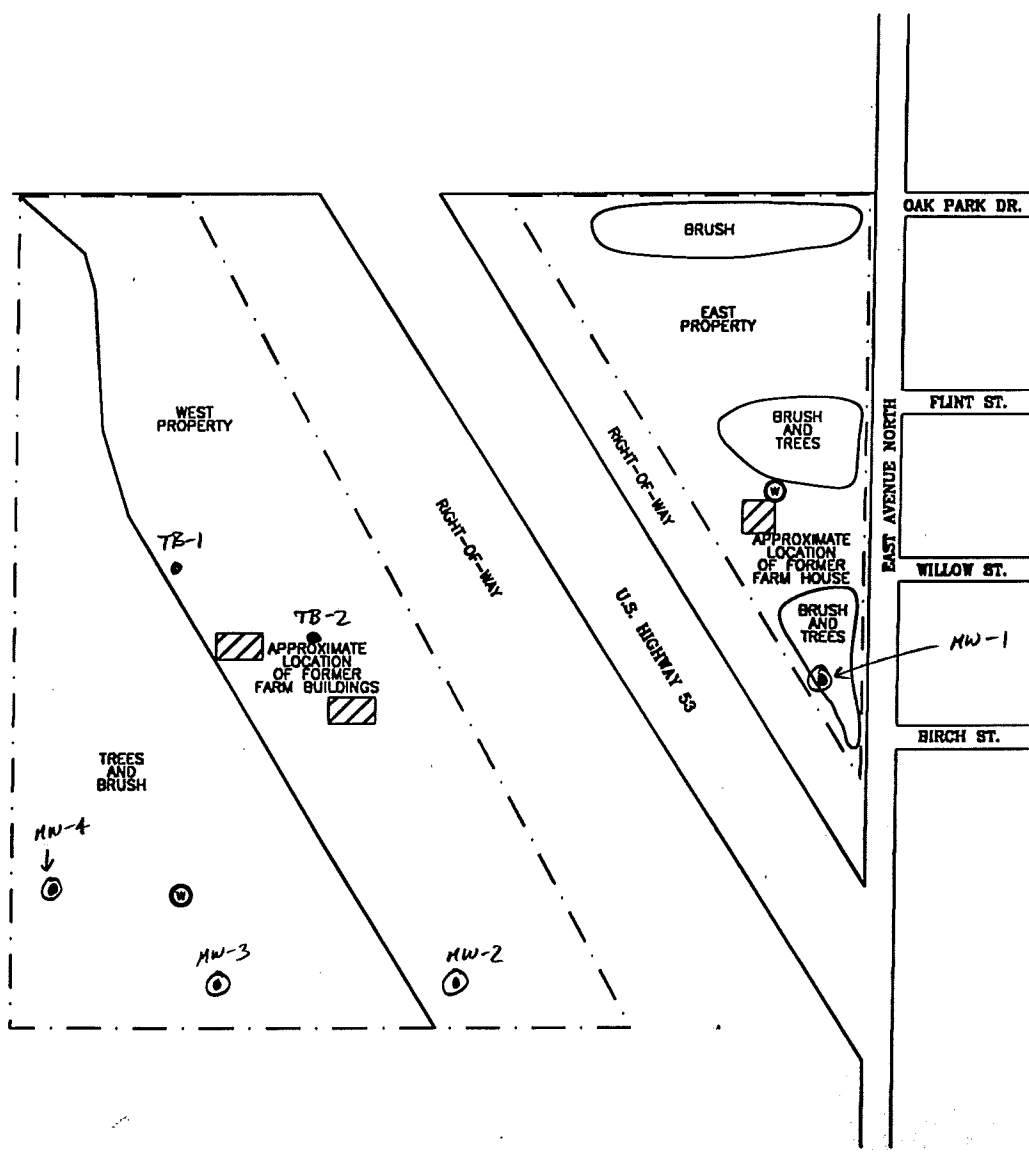
FIGURE NO.
1

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

DRAWING NO. 96.763W2 || DRAWN BY: RRT || CHECKED BY: KNS || APPROVED BY: TCH || 4/1/98 || 4/1/98

Note: Test Boring and Monitoring well Locations are approximate.

LEGEND
 - - - PROPERTY BOUNDARY
 ⊙ WATER SUPPLY WELL



Test Boring / Monitoring well Locations
Tarco South Property Site
Onalaska, Wisconsin
 (4/13/98 & 4/16-17/98)

FIGURE NO.
2

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

Note: Monitoring Well Locations are approximate.

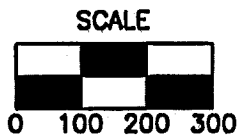
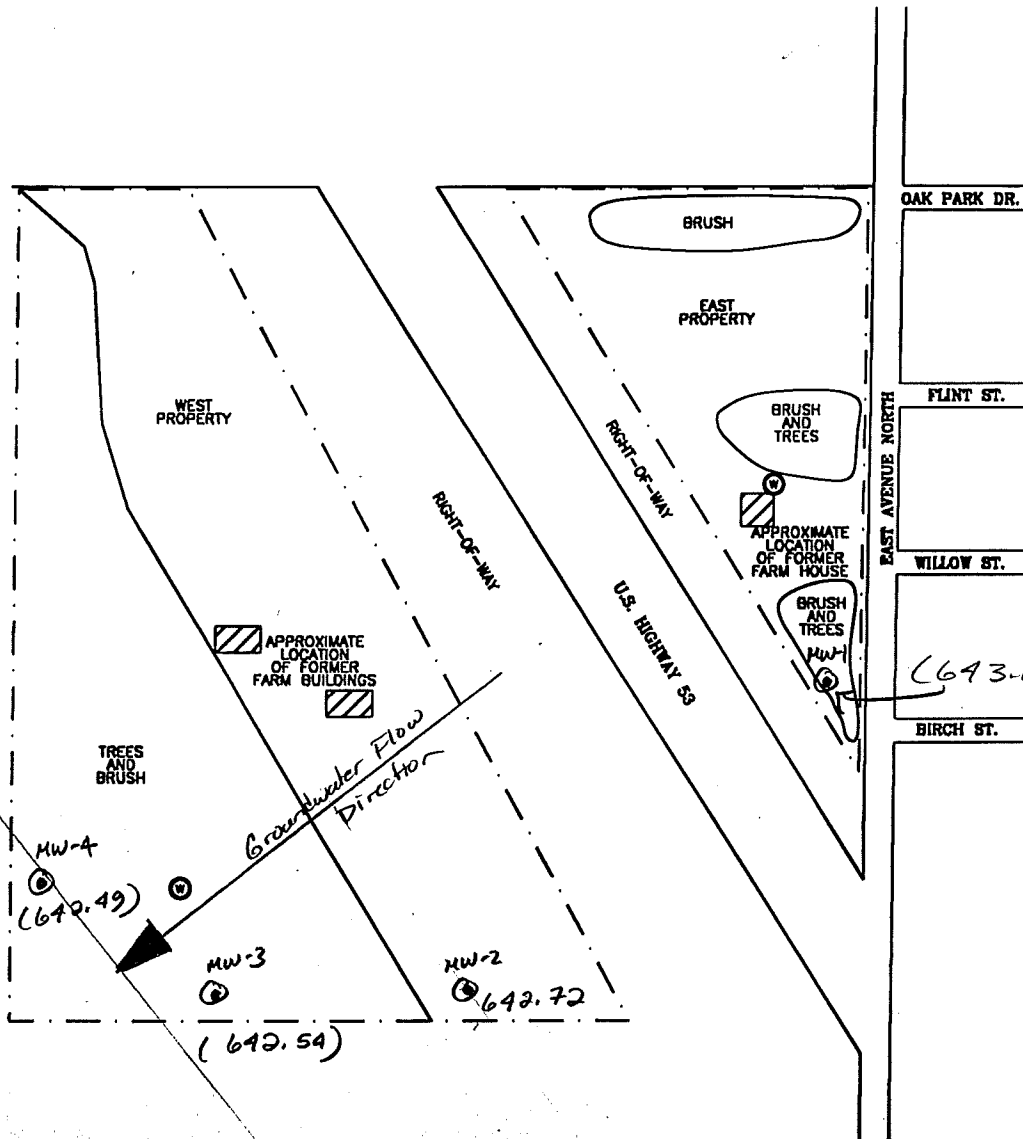
LEGEND

- PROPERTY BOUNDARY
- ⊙ WATER SUPPLY WELL

(642.49) groundwater elevation in feet above mean sea level (msl).

643.50 Isoelevation contour

DRAWING NO. 96.763W2 || DRAWN BY: RRT || CHECKED BY: KMS 4/1/98 || APPROVED BY: RLH 4/1/98



Potentiometric Surface
Tarco South Property Site
Onalaska, Wisconsin
(5/15/98)



FIGURE NO.
3

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

TABLE 1

Soil Laboratory Analytical Results
 Tarco South Property
 Onalaska, Wisconsin
 4/13/98 & 4/16-17/98

Boring	Depth (feet)	Compound	Concentration (ppm)	NR 720 Generic Soil Standard (ppm)
TB-1	0.5-1	Barium	68	NS 5,500
		Chromium	12	14
		Lead	9.0	50
TB-2	0.5-1	Barium	82	NS 5,500
		Chromium	7.4	14
	64-66	Benzyl butyl phthalate	1.3	NS

Notes: Only contaminant concentrations detected in the laboratory analysis are displayed. All other concentrations were less than the laboratory limits of detection.

NS: No standard

Checked by: PDO

Approved by: KMS

TABLE 2

Groundwater Laboratory Analytical Results
 Tarco South Property
 Onalaska, Wisconsin
 4/14/98, 4/20/98, & 4/22/98

Well	Compound	Concentration (ppb)	NR 140 ES	NR 140 PAL
MW-1	1,1,1-Trichloroethane	1.6	200	40
	Trichloroethene	22	5	0.5
MW-2	1,1-Dichloroethane	1.9	850	85
	Tetrachloroethane	2.8	5	0.5
	1,1,1-Trichloroethane	11	200	40
	Trichloroethene	30	5	0.5
MW-3	1,1-Dichloroethane	0.48	850	85
	Tetrachloroethane	0.64	5	0.5
	1,1,1-Trichloroethane	6.9	200	40
	Trichloroethene	18	5	0.5
	Di-n-butyl phthalate	3.7	NS	NS
	* Methylene Chloride	0.79	5	0.5
MW-4	1,1,1-Trichloroethane	0.91	200	40
	Trichloroethene	1.2	5	0.5
	Di-n-butyl phthalate	3.3	NS	NS
MW-5	1,1,1-Trichloroethane	0.88	200	40
	Trichloroethene	1.3	5	0.5

Notes: Only contaminant concentrations detected in the laboratory analysis are displayed. All other contaminant concentrations were less than the laboratory limits of detection.

MW-5 is a duplicate sample of MW-4.

* Methylene Chloride is a common lab solvent.

Shading indicates an exceedance of the NR 140 ES.

Crosshatching indicates an exceedance of the NR 140 PAL.

ES: Enforcement Standard

PAL: Preventive Action Limit

NS: No standard

ppb: Parts per billion

Checked by: PDO

Approved by: KMS

ATTACHMENT A

**WDNR Soil Boring Logs
WDNR Borehole Abandonment Forms**

- Solid Waste
- Emergency Response
- Wastewater
- Superfund
- Haz. Waste
- Underground Tanks
- Water Resources
- Other

Facility/Project Name <i>Turco South Property</i>		License/Permit/Monitoring Number <i>96.763</i>		Boring Number <i>MW-1</i>	
Boring Drilled By (Firm name and name of crew chief) <i>Bridhn - Ken, Scott</i> <i>FMI - KMS</i>		Date Drilling Started <i>04/13/98</i> MM DD YY		Date Drilling Completed <i>04/13/98</i> MM DD YY	
DNR Facility Well No. / WI Unique Well No.		Common Well Name		Final Static Water Level Feet MSL	
				Surface Elevation <i>714.3</i> Feet MSL	
Boring Location State Plane _____ N, _____ E S/C/N		Lat _____		Local Grid Location (If applicable)	
<i>SW 1/4 of SE 1/4 of Section 29, T 17N, R 7E</i>		<i>0</i>		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County <i>La Crosse</i>		DNR County Code <i>32</i>		Civil Town/City/ or Village <i>Onalaska</i>	

Sample Number and Type	Length Att. & Recovered (m)	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
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1	18	122		Top Grass sand w/ silt, f-med. gr., dk brn, damp	SP-SH									
2	16	121		same as above	SP-SH									
3	18	2122		same as above, less silty, moist	SP-SH									
4	18	2322		6" same as above 12" med. gr. sand, brn, damp	SP-SH SP									
5	18	234	10	med. gr. sand, brn, damp	SP									
6	18	435	20	med-coarse gr. sand, trace gravel, brn, damp	SP									
7	14	2342	30	coarse gr. sand, brn, damp-moist, trace gravel	SP									
8	16	118710	40	medi-coarse gr. sand, trace gravel, brn, damp	SP									
9	16	7812	50	coarse gr. sand, trace gravel, brn, damp	SP									
10	16	NA	60	same as above	SP									

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

Signature *[Signature]* Firm *Fluid Management*

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

- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Superfund
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

Facility/Project Name <i>Turco South Property 96.763</i>		License/Permit/Monitoring Number	Boring Number <i>MW-1</i>
Boring Drilled By (Firm name and name of crew chief) <i>Bridon - Ken, Scott FMI - KMS</i>		Date Drilling Started <i>04/13/98</i> M M D D Y Y	Date Drilling Completed <i>04/13/98</i> M M D D Y Y
DNR Facility Well No. / WI Unique Well No.		Common Well Name	Borehole Diameter <i>8.3</i> inches
Boring Location State Plane _____ N, _____ E S/C/N		Final Static Water Level _____ Feet MSL	Surface Elevation <i>714.3</i> Feet MSL
SW 1/4 of SE 1/4 of Section <u>29</u> , T <u>17N</u> , R <u>7E</u> Long _____		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County <i>La Crosse</i>		DNR County Code <i>32</i>	Civil Town/City/ or Village <i>Onalaska</i>

Sample Number and Type	Length Att. & Recovered (m)	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
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
11	16	436	69	same as above, wet	SP									
			70											
			80	EOB @ 78'										

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

Signature *Nyle Shubert* Firm *Fluid Management*

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Facility/Project Name Turco South Property 96.763 License/Permit/Monitoring Number _____ Boring Number MW-2

Boring Drilled By (Firm name and name of crew chief) Bridon - Ken, Scott Date Drilling Started 04/16/98 Date Drilling Completed 04/16/98 Drilling Method HSA
FMI - KMS M M D D Y Y M M D D Y Y

DNR Facility Well No. _____ WI Unique Well No. _____ Common Well Name _____ Final Static Water Level _____ Feet MSL Surface Elevation 712.5 Feet MSL Borehole Diameter 8.3 inches

Boring Location State Plane _____ N, _____ E S/C/N Lat. _____ Local Grid Location (If applicable) _____
SW 14 of SE 1/4 of Section 29, T 17N, R 7 E/W Long _____ Feet N E
 S _____ Feet W

County La Crosse DNR County Code 32 Civil Town/City/ or Village Onalaska

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	14	111		Top Grass sand w/ silt, dk brn, moist	SP-SM			Ø		M					
2	18	332a		same as above, moist	SP-SM			Ø		M					
3	18	324		same as above, moist-wet	SP-SM			Ø		M-W					
4	18	343d		2" same as above 16" F-med. gr. sand, dk brn, damp	SP-SM SP			Ø		D					
5	18	222z	10	4" silty sand, dk brn, moist 14" med. gr. sand, trace silt, dk brn, damp	SM SP			Ø		M D					
			20												
6	10	3455		med-c. gr. sand, trace gravel, brn, damp	SP			Ø		D					
			30												
7	16	7912z		same as above	SP			Ø		D					
			40												
8	16	92125		same as above	SP			1		D					
			50												
9	14	5385		c. gr. sand, trace gravel, brn, damp	SP			1		D					

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature Kyle Shubert Firm FMI Management

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- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Superfund
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other _____

Facility/Project Name <i>Turco South Property</i>		Route To: <i>96.763</i>		License/Permit/Monitoring Number	Boring Number <i>MW-2</i>
Boring Drilled By (Firm name and name of crew chief) <i>Bridon - Ken, Scott</i> <i>FMI - KMS</i>		Date Drilling Started <i>04/16/98</i> M M D D Y Y		Date Drilling Completed <i>04/16/98</i> M M D D Y Y	
DNR Facility Well No.		Unique Well No.		Common Well Name	Final Static Water Level Feet MSL
Boring Location State Plane		N, _____ E S/C/N		Local Grid Location (If applicable)	
<i>SW 1/4 of SE 1/4 of Section 29, T 17N, R 7 EW</i>		Lat _____ Long _____		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County <i>La Crosse</i>		DNR County Code <i>3 2</i>		Civil Town/City/ or Village <i>Onalaska</i>	

Sample Number and Type	Length Att. & Recovered (ft)	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	
10	14	<i>8 13</i>	<i>60</i>	<i>same as above</i>	SP			1		D				
11	12	NA	<i>70</i>	<i>red - coarse gr. sand, brn, wct</i>	SP			1		W				
			<i>80</i>	<i>EOB @ 771</i>										

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

Signature: *[Signature]* Firm: *FMI Management*

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Facility/Project Name Turco South Property 96.763 License/Permit/Monitoring Number _____ Boring Number MW-3

Boring Drilled By (Firm name and name of crew chief) Briohn - Ken, Scott Date Drilling Started 04/17/98 Date Drilling Completed 04/17/98 Drilling Method HSA
FMI - KMS M M D D Y Y M M D D Y Y

DNR Facility Well No. _____ Unique Well No. _____ Common Well Name _____ Final Static Water Level _____ Feet MSL Surface Elevation 713.0 Feet MSL Borehole Diameter 8.3 inches

Boring Location State Plane _____ N, _____ E S/C/N Lat _____ Local Grid Location (If applicable) _____
SW 1/4 of SE 1/4 of Section 29, T 17N, R 7 E/W Long _____ Feet N E
 S W

County La Crosse DNR County Code 32 Civil Town/City/ or Village Onalaska

Sample Number and Type	Length Att. & Recovered (ft)	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	18	-		silty sand, dk brn, moist	SH			Ø		M					
2	18	3234		6" sand as above 12" sand w/ silt, brn, damp moist	SH SP-SH			Ø		D-M					
3	16	2222		sand w/ silt, brn, damp moist	SP-SH			Ø		D-M					
4	18	4445		6" sand as above, moist wet 12" med. gr. sand, brn, damp	SP-SH SP			Ø		M-W					
5	16	2324	10	med. gr. sand, brn, damp	SP			Ø		D					
			20												
6	16	2332		same as above	SP			Ø		D					
			30												
7	14	3572		med-coarse gr. sand, brn, damp	SP			Ø		D					
			40												
8	16	47812		med. gr. sand, brn, damp	SP			Ø		D					
			50												
9	16	77912		med-coarse gr. sand, brn, damp	SP			Ø		D					

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

Signature Kyle Schubert Firm F Level Management

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- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Superfund
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

Facility/Project Name Turco South Property 76.763 License/Permit/Monitoring Number _____ Boring Number MW-3

Boring Drilled By (Firm name and name of crew chief) Bridon - Ken, Scott FMI - KMS Date Drilling Started 04/17/98 Date Drilling Completed 04/17/98 Drilling Method HSA
M M D D Y Y M M D D Y Y

DNR Facility Well No. _____ WI Unique Well No. _____ Common Well Name _____ Final Static Water Level _____ Feet MSL Surface Elevation 713.0 Feet MSL Borehole Diameter 8.3 inches

Boring Location State Plane _____ N, _____ E S/C/N Lat _____ Local Grid Location (If applicable) _____
SW 1/4 of SE 1/4 of Section 29, T 17N, R 7 E/W Long _____ Feet _____ Feet _____ W

County La Crosse DNR County Code 32 Civil Town/City/ or Village Onalaska

Sample Number and Type	Length Att. & Recovered (ft)	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	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
10	16	781215	60	Same as above	SP			Ø		D					
11	16	681014	70	med. gr. sand, brn, wet.	SP			Ø		W					
			80	EOB @ 78'											

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

Signature Kyle Schubert Firm FMI Management

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- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Superfund
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other _____

Facility/Project Name Turco South Property 96.763 License/Permit/Monitoring Number _____ Boring Number MW-4

Boring Drilled By (Firm name and name of crew chief) Bridon - Ken, Scott FMI - KMS Date Drilling Started 04/17/98 Date Drilling Completed 04/17/98 Drilling Method HSA

DNR Facility Well No. _____ WI Unique Well No. _____ Common Well Name _____ Final Static Water Level _____ Feet MSL Surface Elevation 740.5 Feet MSL Borehole Diameter 8.3 inches

Boring Location State Plane _____ N, _____ E S/C/N Lat. _____ Local Grid Location (if applicable) _____ Feet _____ Feet _____ E _____ S _____ Feet _____ W

County La Crosse DNR County Code 32 Civil Town/City/ or Village Onalaska

Sample Number and Type	Length Att. & Recovered (ft)	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	-	16		sand w/ silt, s. particles, dk brn, moist	SP-SH			1				M		
2	-	16		Fined. gr. sand w/ silt, brn, damp	SP-SH			1				D		
3	2224	18		same as above, fine gr.	SP-SH			1				D		
4	1112	18		same as above, fine gr.	SP-SH			1				D		
5	2222	16	10	same as above, fine gr.	SP-SH			1				D		
			20											
6	122	16		same as above, fine gr.	SP-SH			1				D		
			30											
7	Pust	12		same as above, fine gr.	SP-SH			1				D		
			40											
8	1121	16		4" same as above, wet 6" silt, dk brn, wet 6" med. gr. sand brn, moist	SP-SH ML-SP			1				W.H		
			50											
9	2465	18		med. gr. sand, brn, damp	SP			1				D		

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature [Signature] Firm FMI Management

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

- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Superfund
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other _____

Facility/Project Name <i>Turco South Property</i>		License/Permit/Monitoring Number <i>96.763</i>		Boring Number <i>MW-4</i>	
Boring Drilled By (Firm name and name of crew chief) <i>Bridon - Ken, Scott</i> <i>FMI - KMS</i>		Date Drilling Started <i>04/17/98</i> M M D D Y Y		Date Drilling Completed <i>04/17/98</i> M M D D Y Y	
DNR Facility Well No. / WI Unique Well No.		Common Well Name		Final Static Water Level Feet MSL	
Boring Location State Plane _____ N, _____ E S/C/N		Local Grid Location (if applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		Surface Elevation <i>742.5</i> Feet MSL	
Borehole Diameter <i>8.3</i> inches		County <i>La Crosse</i>		DNR County Code <i>3 2</i>	
SW <u>14</u> of SE <u>14</u> of Section <u>29</u> , T <u>17</u> N, R <u>7</u> E/W		Civil Town/City/ or Village <i>Onalaska</i>		Long _____	

Sample Number and Type	Length Att. & Recovered (m)	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	
10	16	568.2	60	med-coarse gr. sand w/ gravel, brn, damp	SP			1		D				
11	16	710.110	70	med. gr. sand, brn, damp	SP			1		D				
12	14	1217 15 30	80	same as above	SP			1		D				
13	12	1208 14 16	90	same as above	SP			1		D				
14	16	1429 25 30	100	med. gr. sand, brn, wet	SP			1		W				
			110	EOB @ 108'										

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

Signature: *Kyle Skubert* Firm: *Field Management*

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- Solid Waste
- Emergency Response
- Wastewater
- Superfund
- Haz. Waste
- Underground Tanks
- Water Resources
- Other _____

Facility/Project Name <i>Turco South Property 96.763</i>		License/Permit/Monitoring Number _____	Boring Number <i>TB-2</i>
Boring Drilled By (Firm name and name of crew chief) <i>Bridon - Ken, Scott FMI - KMS</i>		Date Drilling Started <i>04/16/98</i> MM DD YY	Date Drilling Completed <i>04/16/98</i> MM DD YY
DNR Facility Well No. / WI Unique Well No.		Common Well Name	Borehole Diameter <i>8.3</i> inches
Boring Location State Plane _____ N, _____ E S/C/N		Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL
SW 1/4 of SE 1/4 of Section <u>29</u> , T <u>17N</u> , R <u>7E</u> Long _____		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County <i>La Crosse</i>		DNR County Code <i>32</i>	Civil Town/City/ or Village <i>Onalaska</i>

Sample Number and Type	Length Att. & Recovered (ft)	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	
<i>15</i>	<i>10</i>	<i>NA</i>	<i>60</i>	<i>same as above, wet</i>	<i>SP</i>			<i>1</i>	<i>W</i>				
			<i>70</i>	<i>EOB @ 66'</i>									

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

Signature *[Signature]* Firm *Fluid Management*

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- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Superfund
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

Facility/Project Name <i>Turco South Property</i>		License/Permit/Monitoring Number <i>96.763</i>	Boring Number <i>TB-1</i>	
Boring Drilled By (Firm name and name of crew chief) <i>Bridon - Ken, Scott FMI - KMS</i>		Date Drilling Started <i>04/16/98</i> MM DD YY	Date Drilling Completed <i>04/16/98</i> MM DD YY	Drilling Method <i>HSA</i>
DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation <i>NA</i> Feet MSL
Boring Location State Plane _____ N, _____ E S/C/N		Lat _____	Local Grid Location (If applicable)	
<i>SW 1/4 of SE 1/4 of Section 29, T 17N, R 7 E/W</i>		Long _____	<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County <i>La Crosse</i>		DNR County Code <i>32</i>	Civil Town/City/ or Village <i>Onalaska</i>	

Sample Number and Type	Length Att. & Recovered (ft)	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	18	122		<i>Top Guss sand w/ silt, top 8" dk brn, lower 10" brn, damp</i>	SP-SM			1		D				
2	18	222		<i>sand w/ silt, brn, damp</i>	SP-SM			1		D				
3	16	222	5	<i>same as above, less silty</i>	SP-SM			1		D				
4	18	234		<i>6" same as above 6" silty sand, dk brn, moist 6" med-coarse gr. sand, brn, damp</i>	SP-SM SM			1		DM				
5	16	223	10	<i>med-coarse gr. sand, brn, damp</i>	SP			1		D				
6	18	454		<i>6" same as above 12" F-med. gr. sand, dk brn, damp</i>	SP			1		D				
7	16	2355	15	<i>F-med. gr. sand, dk brn, damp</i>	SP			1		D				
8	18	3588		<i>same as above</i>	SP			1		D				
				<i>EOB @ 19.5'</i>										

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

Signature *Kyle Schubert* Firm *Fluid Management*

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

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County <u>La Crosse</u>	Original Well Owner (If Known)	
(If applicable) SW 1/4 of SE 1/4 of Sec. <u>29</u> ; T. <u>17</u> N; R. <u>7</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W		Present Well Owner <u>Bob Tooke</u>	
Gov't Lot	Grid Number	Street or Route <u>2240 South Avenue</u>	
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>La Crosse, WI 54601</u>	
Civil Town Name <u>Town of Onalaska</u>		Facility Well No. and/or Name (If Applicable) <u>TB-2</u>	WI Unique Well No. _____
Street Address of Well		Reason For Abandonment <u>Test Boring</u>	
City, Village <u>Onalaska</u>		Date of Abandonment <u>4/16/98</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>4/16/98</u></p> <p> <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole </p> <p>Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ </p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock </p> <p>Total Well Depth (ft.) <u>66</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) <u>8.3</u></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>64 ft.</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 type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____ </p> <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</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 or</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 </p> <p> <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout </p>

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Bentonite</u>	<u>Surface</u>	<u>66</u>	<u>24.46+3</u>	<u>3</u>	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Kyle Shubert

Signature of Person Doing Work: [Signature] Date Signed: 4/20/98

Street or Route: 1285 Rudy St. Telephone Number: (608) 781-5470
 City, State, Zip Code: Onalaska, WI 54650

(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 NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County <u>La Crosse</u>	Original Well Owner (If Known)	
<u>SW 1/4 of SE 1/4 of Sec. 29 ; T. 17 N; R. 7</u>		Present Well Owner <u>Bob Tooke</u>	
(If applicable) Gov't Lot	Grid Number	Street or Route <u>2240 South Avenue</u>	
Grid Location	City, State, Zip Code <u>LaCrosse, WI 54601</u>	Facility Well No. and/or Name (If Applicable) <u>TB-1</u>	
ft. <input type="checkbox"/> N. <input type="checkbox"/> S., ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Civil Town Name <u>Town of Onalaska</u>	WI Unique Well No	
Street Address of Well	Reason For Abandonment <u>Test Boring</u>	Date of Abandonment <u>4/16/98</u>	
City, Village <u>Onalaska</u>			

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>4/16/98</u>	(4) Depth to Water (Feet) <u>Not encountered</u>
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole Construction Report Available? <input type="checkbox"/> Yes <input checked="" 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.) <u>19.5</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>8.3</u> Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____ 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
(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 type="checkbox"/> Chipped Bentonite	
For monitoring wells and monitoring well boreholes on: <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
<u>Bentonite</u>	<u>Surface</u>	<u>19.5</u>	<u>7.26+3</u>	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Kyle Shubert

Signature of Person Doing Work Kyle Shubert Date Signed 4/20/98

Street or Route 1285 Rudy St. Telephone Number (608) 781-5470
City, State, Zip Code Onalaska, WI 54650

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected _____ District/County _____

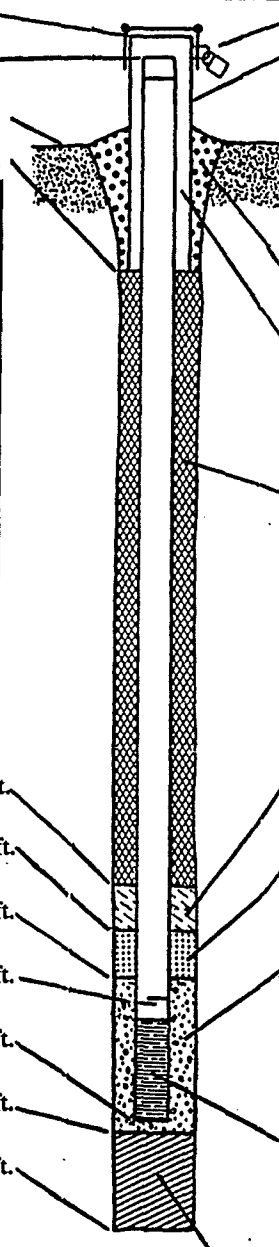
Reviewer/Inspector _____ Complying Work
 Noncomplying Work

Follow-up Necessary _____

ATTACHMENT B

WDNR Monitoring Well Construction Forms
WDNR Monitoring Well Development Forms

Facility/Project Name <u>Tenno South Property 96.763</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-1</u>
Facility License, Permit or Monitoring Number	Grid Origin Location Lat. _____ Long. _____ or	Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed <u>07/31/98</u> m m d d y y
Distance Well Is From Waste/Source Boundary ft.	Section Location of Waste/Source <u>SW 1/4 of SE 1/4 of Sec. 29, T. 17N, R. 7</u> <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Installed By: (Person's Name and Firm) <u>Briohn - Ken, Scott</u>
Is Well A Point of Enforcement Std. Application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	<u>FMI - KMS</u>

<p>A. Protective pipe, top elevation <u>717.22</u> ft. MSL</p> <p>B. Well casing, top elevation <u>717.07</u> ft. MSL</p> <p>C. Land surface elevation <u>714.3</u> ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>12. USCS 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 type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input 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 type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or <u>0.0</u> ft.</p> <p>F. Fine sand, top _____ ft. MSL or <u>59.0</u> ft.</p> <p>G. Filter pack, top _____ ft. MSL or <u>61.0</u> ft.</p> <p>H. Screen joint, top _____ ft. MSL or <u>63.0</u> ft.</p> <p>I. Well bottom _____ ft. MSL or <u>78.0</u> ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or <u>78.0</u> ft.</p> <p>K. Borehole, bottom _____ ft. MSL or <u>78.0</u> ft.</p> <p>L. Borehole, diameter <u>8.3</u> in.</p> <p>M. O.D. well casing <u>2.16</u> in.</p> <p>N. I.D. well casing <u>2.00</u> in.</p>	 <p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: <u>1.0</u> in. b. Length: <u>5.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input type="checkbox"/> <u>sand</u> Other <input checked="" type="checkbox"/></p> <p>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>20.06</u> Ft³ 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</p> <p>6. Bentonite seal: a. Bentonite granules <input 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"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added <u>0.68</u> ft³</p> <p>8. Filter pack material: Manufacturer, product name and mesh size a. _____ b. Volume added <u>5.78</u> ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> b. Manufacturer <u>Johnson</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>15.0</u> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/></p>
---	---

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

Signature [Signature] Firm FMI Management

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

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

Facility/Project Name <i>Tarco South Property</i>	County Name <i>La Crosse</i>	Well Name <i>MW-1</i>
Facility License, Permit or Monitoring Number -----	County Code <i>32</i>	Wis. Unique Well Number -----
		DNR Well Number -----

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input checked="" type="checkbox"/>	41
surged with bailer and pumped	<input type="checkbox"/>	61
surged with block and bailed	<input type="checkbox"/>	42
surged with block and pumped	<input type="checkbox"/>	62
surged with block, bailed and pumped	<input type="checkbox"/>	70
compressed air	<input type="checkbox"/>	20
bailed only	<input type="checkbox"/>	10
pumped only	<input type="checkbox"/>	51
pumped slowly	<input type="checkbox"/>	50
Other _____	<input type="checkbox"/>	-----

3. Time spent developing well 45 min.

4. Depth of well (from top of well casing) 81.6 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 1.8 gal.

7. Volume of water removed from well 25.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>73.65</u> ft.	<u>74.65</u> ft.
Date	b. <u>04/14/98</u> m m d d y y	<u>04/14/98</u> m m d d y y
Time	c. <u>12:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>12:45</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.1</u> inches	<u>0.1</u> inches
13. Water clarity	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) _____	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: Allen Wolfe

Firm: Fluid Management

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

Signature: *Kevin M. S.*

Print Initials: KMS

Firm: Fluid Management

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

Facility/Project Name <i>Tarco South Property 96.763</i>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <i>MW-2</i>
Facility License, Permit or Monitoring Number _____	Grid Origin Location Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location of Waste/Source <i>SW 1/4 of SE 1/4 of Sec. 29, T. 17N, R. 7 E. W.</i>	Date Well Installed <i>04/16/98</i> m m d d y y
Distance Well Is From Waste/Source Boundary _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) <i>Briohn - Ken, Scott</i> <i>FMI - KMS</i>
Is Well A Point of Enforcement Std. Application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

A. Protective pipe, top elevation <i>715.08</i> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <i>714.24</i> ft. MSL	2. Protective cover pipe: a. Inside diameter: <i>4.0</i> in.
C. Land surface elevation <i>712.5</i> ft. MSL	b. Length: <i>5.0</i> ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS 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 type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input checked="" type="checkbox"/> <i>sand</i>
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	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. <i>19.72</i> Ft ³ volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input type="checkbox"/> No Describe _____	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
17. Source of water (attach analysis): _____	6. Bentonite seal: a. Bentonite granules <input 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"/>
E. Bentonite seal, top _____ ft. MSL or <i>0.0</i> ft.	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added <i>0.68</i> ft ³
F. Fine sand, top _____ ft. MSL or <i>58.0</i> ft.	8. Filter pack material: Manufacturer, product name and mesh size a. _____ b. Volume added <i>5.98</i> ft ³
G. Filter pack, top _____ ft. MSL or <i>60.0</i> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <i>62.0</i> ft.	10. Screen material: a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or <i>77.0</i> ft.	b. Manufacturer <i>Johnson</i>
J. Filter pack, bottom _____ ft. MSL or <i>77.0</i> ft.	c. Slot size: <i>0.010</i> in.
K. Borehole, bottom _____ ft. MSL or <i>77.0</i> ft.	d. Slotted length: <i>15.0</i> ft.
L. Borehole, diameter <i>8.3</i> in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
M. O.D. well casing <i>2.16</i> in.	
N. I.D. well casing <i>2.00</i> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature *Kyle Schuch* Firm *Field Management*

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

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

Facility/Project Name <i>Tarco South Property</i>	County Name <i>La Crosse</i>	Well Name <i>MW-2</i>	
Facility License, Permit or Monitoring Number _____	County Code <i>32</i>	WIS. Unique Well Number	DNR Well Number

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input checked="" type="checkbox"/> 41
surged with bailer and pumped	<input type="checkbox"/> 61
surged with block and bailed	<input type="checkbox"/> 42
surged with block and pumped	<input type="checkbox"/> 62
surged with block, bailed and pumped	<input type="checkbox"/> 70
compressed air	<input type="checkbox"/> 20
bailed only	<input type="checkbox"/> 10
pumped only	<input type="checkbox"/> 51
pumped slowly	<input type="checkbox"/> 50
Other _____	<input type="checkbox"/>

3. Time spent developing well 45 min.

4. Depth of well (from top of well casing) 78.8 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 1.5 gal.

7. Volume of water removed from well 27.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>72.03</u> ft.	<u>72.05</u> ft.
Date	b. <u>04/20/98</u> m m d d y y	<u>04/20/98</u> m m d d y y
Time	c. <u>10:45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.1</u> inches	<u>0.1</u> inches
13. Water clarity	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) _____	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: Allen Wolfe

Firm: Fluid Management

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

Signature: *Hyatt M...*

Print Initials: KMS

Firm: Fluid Management

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

Facility/Project Name <i>Tenno South Property 96.763</i>	Local Grid Location of Well ft. <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Well Name <i>MW-3</i>
Facility License, Permit or Monitoring Number	Grid Origin Location Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location of Waste/Source <i>SW 1/4 of SE 1/4 of Sec. 29, T. 17N, R. 7E, W.</i>	Date Well Installed <i>04/17/98</i> m m d d y y
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) <i>Briohn - Ken, Scott</i> <i>FMI - KMS</i>
Is Well A Point of Enforcement Std. Application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

A. Protective pipe, top elevation <i>715.38</i> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <i>715.20</i> ft. MSL	2. Protective cover pipe: a. Inside diameter: <i>4.0</i> in. b. Length: <i>5.0</i> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <i>713.0</i> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS 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 type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input checked="" type="checkbox"/> <i>sand</i>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	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. <i>20.06</i> 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
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input 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"/>
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	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added <i>0.34</i> ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input type="checkbox"/> No	8. Filter pack material: Manufacturer, product name and mesh size a. _____ b. Volume added <i>5.78</i> ft ³
Describe _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
17. Source of water (attach analysis): _____	10. Screen material: a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <i>0.0</i> ft.	b. Manufacturer <i>Johnson</i> c. Slot size: <i>0.010</i> in. d. Slotted length: <i>15.0</i> ft.
F. Fine sand, top _____ ft. MSL or <i>52.0</i> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
G. Filter pack, top _____ ft. MSL or <i>61.0</i> ft.	
H. Screen joint, top _____ ft. MSL or <i>63.0</i> ft.	
I. Well bottom _____ ft. MSL or <i>78.0</i> ft.	
J. Filter pack, bottom _____ ft. MSL or <i>78.0</i> ft.	
K. Borehole, bottom _____ ft. MSL or <i>78.0</i> ft.	
L. Borehole, diameter <i>8.3</i> in.	
M. O.D. well casing <i>2.16</i> in.	
N. I.D. well casing <i>2.00</i> in.	

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

Signature *Kevin M...* Firm *Fluid Management*

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

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

Facility/Project Name <i>Tarco South Property</i>	County Name <i>La Crosse</i>	Well Name <i>MW-3</i>	
Facility License, Permit or Monitoring Number _____	County Code <i>32</i>	Wtr. Unique Well Number	DNR Well Number

1. Can this well be purged dry? Yes No

2. Well development method

- surged with bailer and bailed 41
- surged with bailer and pumped 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 _____

3. Time spent developing well _____ *60* min.

4. Depth of well (from top of well casing) _____ *79.9* ft.

5. Inside diameter of well _____ *2.00* in.

6. Volume of water in filter pack and well casing _____ *1.6* gal.

7. Volume of water removed from well _____ *27.0* gal.

8. Volume of water added (if any) _____ *0.0* gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <i>72.47</i> ft.	<i>79.00</i> ft.
Date	b. <i>04/20/98</i> m m d d y y	<i>04/20/98</i> m m d d y y
Time	c. <i>11:45</i> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<i>12:45</i> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<i>0.1</i> inches	<i>0.1</i> inches
13. Water clarity	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe)	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: *Allen Wolfe*

Firm: *Fluid Management*

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

Signature: *[Signature]*

Print Initials: *KMS*

Firm: *Fluid Management*

Facility/Project Name <i>Tarco South Property 96.763</i>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <i>MW-4</i>
Facility License, Permit or Monitoring Number	Grid Origin Location Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location of Waste/Source <i>SW 1/4 of SE 1/4 of Sec. 29, T. 17 N, R. 7 E, W.</i>	Date Well Installed <i>04/17/98</i> m m d d y y
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) <i>Brihn - Ken, Scott</i> <i>FMI - KMS</i>
Is Well A Point of Enforcement Std. Application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

A. Protective pipe, top elevation <i>-744.24</i> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <i>-744.77</i> ft. MSL	2. Protective cover pipe: a. Inside diameter: <i>4.0</i> in. b. Length: <i>5.0</i> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <i>-742.5</i> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS 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 type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input checked="" type="checkbox"/> <i>sand</i>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	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. <i>30.26</i> 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
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input 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"/>
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	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added <i>0.68</i> ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name and mesh size a. _____ b. Volume added <i>5.78</i> ft ³
17. Source of water (attach analysis): _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <i>0.0</i> ft.	10. Screen material: a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <i>89.0</i> ft.	b. Manufacturer <i>Johnson</i> c. Slot size: <i>0.010</i> in. d. Slotted length: <i>15.0</i> ft.
G. Filter pack, top _____ ft. MSL or <i>91.0</i> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <i>93.0</i> ft.	
I. Well bottom _____ ft. MSL or <i>108.0</i> ft.	
J. Filter pack, bottom _____ ft. MSL or <i>108.0</i> ft.	
K. Borehole, bottom _____ ft. MSL or <i>108.0</i> ft.	
L. Borehole, diameter <i>8.3</i> in.	
M. O.D. well casing <i>2.16</i> in.	
N. I.D. well casing <i>2.00</i> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature *Kevin M...* Firm *Fluid Management*

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

Facility/Project Name <i>Tarco South Property</i>	County Name <i>La Crosse</i>	Well Name <i>MW - 4</i>	
Facility License, Permit or Monitoring Number _____	County Code <i>32</i>	Wis. Unique Well Number	DNR Well Number

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input checked="" type="checkbox"/>	41
surged with bailer and pumped	<input type="checkbox"/>	61
surged with block and bailed	<input type="checkbox"/>	42
surged with block and pumped	<input type="checkbox"/>	62
surged with block, bailed and pumped	<input type="checkbox"/>	70
compressed air	<input type="checkbox"/>	20
bailed only	<input type="checkbox"/>	10
pumped only	<input type="checkbox"/>	51
pumped slowly	<input type="checkbox"/>	50
Other _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3. Time spent developing well _____ *80* min.

4. Depth of well (from top of well casing) _____ *108.8* ft.

5. Inside diameter of well _____ *2.00* in.

6. Volume of water in filter pack and well casing _____ *1.7* gal.

7. Volume of water removed from well _____ *27.6* gal.

8. Volume of water added (if any) _____ *0.0* gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <i>102.20</i> ft.	<i>102.30</i> ft.
Date	b. <i>04/20/98</i> m m d d y y	<i>04/20/98</i> m m d d y y
Time	c. <i>1:00</i> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<i>2:20</i> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<i>0.1</i> inches	<i>0.1</i> inches
13. Water clarity	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe)	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: *Allen Wolfe*

Firm: *Fluid Management*

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

Signature: *[Signature]*

Print Initials: *KMS*

Firm: *Fluid Management*

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