

STA-RITE

Sta-Rite Industries, Inc.

293 Wright Street
Delavan, WI 53115
(414) 728-5551

STA-RITE is WICOR company

March 20, 1996

Mr. Tom Wentland
Wisconsin Department of
Natural Resources
4041 N. Richards Street
P.O. Box 12436
Milwaukee, WI 53212

Dear Tom,

I discovered an error with some dates in the report titled Release Investigation Report, Storage Building Project, Sta-Rite Industries Delavan Wisconsin, dated February 19, 1996. All of the November 1996 date references should read 1995. Please make note of this on your copies. I apologize for any inconvenience.

Tom, if you should have any questions or concerns about this report, call me at 414-728-7216.

Sincerely,



Jon Raymond
Environmental Engineer

HYDRO-SEARCH, INC.
A Tetra Tech Company

To: WI Dept. of Natural Resources
4041 N. Richards Street
P.O. Box 12436
Milwaukee, WI 53212

Date: July 18, 1996
Subject: Borehole Logs, Abandonment
Forms, and Analytical Results from the
Sump Area Sampling

Attn: Mr. Tom Wentland

Job No. 303503233

We are sending the following: Herewith Under Separate Cover

# of Copies	Item
1	WDNR Borehole Log Forms for the six GeoProbe Locations
1	WDNR Well Abandonment Forms for the six GeoProbe Locations

Comments: WDNR Borehole Log and Well Abandonment forms for your review and files.

Transmitted By:

- First Class Mail
 Federal Express
 Express Mail
 Messenger
 Other

By:



Jennifer J. Johanson, CPG, CGWP

Senior Hydrogeologist

cc: Jon Raymond - Sta-Rite Industries, Inc.

Facility/Project Name Sta-Rite Delavan		License/Permit/Monitoring Number		Boring Number GP1	
Boring Drilled By (Firm name and name of crew chief) On-Site Environmental, Tony/Denny		Date Drilling Started 06/13/96 M M D D Y Y		Date Drilling Completed 06/13/96 M M D D Y Y	
DNR Facility Well No.		WI Unique Well No.		Common Well Name	
Final Static Water Level		Surface Elevation		Borehole Diameter	
Boring Location State Plane _____ N, _____ E S/C/N		Lat _____		Local Grid Location (If applicable)	
_____ SW 1/4 of NE 1/4 of Section <u>17</u> , T <u>2</u> (N) R <u>16</u> (E)		Long _____		_____ Feet <input type="checkbox"/> N _____ Feet <input type="checkbox"/> E _____ Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W	
County Walworth		DNR County Code		Civil Town/City/ or Village Delavan	

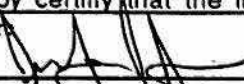
Sample Number and Type	Length Att. & Recovered (ft)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			0	0-5' Blind drill, through 4" concrete, then silty sand											
1	1'		5	5-7' yellowish-brown very silty fine to medium-grained sand, 10% rounded pebbles, very moist, no odor, clay @ 10%	SM			2.5							8'
2	1.1'		7	7-9' same				4.4							8'
3	1.3'		9	9-11' same, less clay and silt content				3.4							
4	1.2'		11	11-13' same				7.5							

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

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.

Facility/Project Name Sta-Rite Delavan		License/Permit/Monitoring Number		Boring Number GP-2	
Boring Drilled By (Firm name and name of crew chief) On-Site Environmental, Tony		Date Drilling Started 06/13/96 M M D D Y Y		Date Drilling Completed 06/13/96 M M D D Y Y	
DNR Facility Well No.		WI Unique Well No.		Common Well Name	
Final Static Water Level		Surface Elevation		Borehole Diameter	
Boring Location State Plane _____ N, _____ E S/C/N		Lat _____		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____ E/W		Long _____		Feet _____ Feet _____	
County Walworth		DNR County Code		Civil Town/City/ or Village Delavan	

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		
		0	0	concrete 0-0.2'											7
		1	1	Blind drill to 4' silty sand											12
		2	2												
		3	3												
1	0.7'		4	4-6' light brown silty sand v. fine grained to med-grained, 5% subrounded pebbles, trace cobbles very moist 5% clay, no notable color	SM			AD			v. moist				12
			5												
			6												
			7												
			8												
2	0.6' 0.6'		9	9-11 same				0.4			M				12
			10												
			11												
			12												

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature:  Firm: **Hydro-Search, Inc**

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Facility/Project Name <u>Sta-Rite Delavan</u>		License/Permit/Monitoring Number		Boring Number <u>GP-3</u>
Boring Drilled By (Firm name and name of crew chief) <u>On-Site Environmental, Tony</u>		Date Drilling Started <u>06/13/96</u> M M D D Y Y	Date Drilling Completed <u>06/13/96</u> M M D D Y Y	Drilling Method <u>Geo Probe</u>
DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level ____ Feet MSL	Surface Elevation ____ Feet MSL
Boring Location State Plane _____ N, _____ E S/C/N		Lat _____	Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County <u>Walworth</u>		DNR County Code	Civil Town/City/ or Village <u>Delavan</u>	
SW 1/4 of NE 1/4 of Section <u>17</u> , T <u>2</u> N, R <u>16</u> E		Long _____		

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	
			0	Gravel, loess	SC									13'
1	1.0		4-6	dark brown clayey silt with sand (25%) v. fine-grained trace pebbles, v. moist to wet v. slight odor (solvent?) plastic	ML/SE		None	0.0		M				13'
2	1.3		9-11	light brown silty sand, v. moist sand v. fine to med grd, 5-15% small subrounded pebbles no odor	SM			0.0		M				13'

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature: [Signature] Firm: Hydro-Search, Inc.

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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 Alt. & Recovered (feet)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
3	1.0	12	13	14-16 same light brown silty sand, v. fine to med-grained, sub-rounded, moist to v. moist, no specific odor.	SM	[Hand-drawn graphic log showing soil texture]		0.9	M				13:20	
		14												15
		16												
4	1.0	19	20	19-21 same collected soil sample for potential lab analysis		[Hand-drawn graphic log]		0.8				13:40		
		21											22	
		23												
5	1.2	24	25	24-26 same		[Hand-drawn graphic log]		0.8				13:50		
		26												

Facility/Project Name <u>Sta-Kite, Delavan</u>		License/Permit/Monitoring Number		Boring Number <u>GP-4</u>	
Boring Drilled By (Firm name and name of crew chief) <u>On-Site Environmental</u>		Date Drilling Started <u>06/13/96</u> M M D D Y Y		Date Drilling Completed <u>06/13/96</u> M M D D Y Y	
DNR Facility Well No.		WI Unique Well No.		Common Well Name	
Final Static Water Level		Surface Elevation		Borehole Diameter	
Boring Location State Plane _____ N, _____ E S/C/N		Lat _____		Local Grid Location (If applicable)	
<u>SW 1/4 of NE 1/4 of Section 17, T 2 N, R 16 E</u>		Long _____		Feet <input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S <input type="checkbox"/> W	
County <u>Walworth</u>		DNR County Code		Civil Town/City/ or Village <u>Delavan</u>	

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/	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			0	0-1' void - below grate, above concrete surface											
			1	1-1.2 concrete											
1	1.2'		4	4-6 dark brown clayey silt, trace pebbles subrounded, little v. fine sand, v. moist, plastic ML/CL	ML/CL			0.2							
2	1.0'		9	9-11 light brown silt with v. fine sand and clay, v. moist to wet at 11' silty sand, same color, sand v. fine to med-grained, trace subround pebbles v. moist, no odor	ML			0.2							

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature: [Signature] Firm: Hydro-Search, Inc.

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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					ROD/ Comments
Number and Type	Length Att. & Recovered (ft)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
3	1.3	13	14	14-16' same, less silt, pebbles 10-20%	SM	[Hand-drawn graphic log showing soil texture]	[Hand-drawn well diagram]	0.0						
		15	16											
		17	18											
4	1.5	19	20	19-21 same, not as moist	SM	[Hand-drawn graphic log]	[Hand-drawn well diagram]	1.2						
		21	22											
		23	24											
5		24	25	24-26' same EOD 26'		[Hand-drawn graphic log]	[Hand-drawn well diagram]	0.4					3:15	
		26												

Facility/Project Name <u>Sta-Rite Delavan</u>		License/Permit/Monitoring Number		Boring Number <u>GP-5</u>
Boring Drilled By (Firm name and name of crew chief) <u>On-Site Environmental, Tony/Denny</u>		Date Drilling Started <u>06/13/96</u> M M D D Y Y	Date Drilling Completed <u>06/13/96</u> M M D D Y Y	Drilling Method <u>GeoProbe</u>
DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL
Boring Location State Plane _____ N. _____ E S/C/N		Lat _____	Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W	
County <u>Walworth</u>		DNR County Code	Civil Town/City/ or Village <u>Delavan</u>	

Sample Number and Type	Length All. & 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/	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			0	Gravel											
1	13		1												
			2												
			3												
			4		4-5 dark brown silty clay to clayey silt, trace subrounded pebbles v. moist, no odor	CL ML			0.0						
			5		5-6 light brown silty fine sand trace to few (5%) subrounded pebbles v. moist, no odor	SM									
			6												
2	1.3		7												
			8												
			9		9-11 light brown silty fine sand, 10% pebbles, v. moist (same) no odor	SM			0.2						
			10												
			11												
			12												

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature: [Signature] Firm: Hydra-Search, Inc.

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Facility/Project Name: Sta-Rite Delavan License/Permit/Monitoring Number: _____ Boring Number: GP-6

Boring Drilled By (Firm name and name of crew chief): On-Site Environmental, Tony/Denny Date Drilling Started: 06/13/96 Date Drilling Completed: 06/13/96 Drilling Method: Geoprobe

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

Boring Location: State Plane _____ N, _____ E S/C/N | Lat _____ Local Grid Location (If applicable): N E
SW 1/4 of NE 1/4 of Section 17, T 2 (N) R 16 (E) W Long _____ Feet S Feet W

County: Walworth DNR County Code: _____ Civil Town/City/ or Village: Delavan

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		
			0-1	void - concrete under-slab (at 1')	void										
			1-1.2	concrete	concrete										
1	1.3		4-5	9-6 dark brown clayey silt, moist, paint odor 5% pebbles 10% v. fine sand	ml			3.6		m					
2	1.3		9-10	9-11 light brown silty v. fine sand 5-10% sub rounded pebbles moist v. slight odor	sm			0.2		m					

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

Signature: [Signature] Firm: Hydro Search, Inc.

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

(1) GENERAL INFORMATION		(2) FACILITY NAME <u>Sta-Rite Industries</u>	
Well/Drillhole/Borehole Location <u>GP-1</u>	County <u>Walworth</u>	Original Well Owner (If Known) <u>Sta-Rite Industries</u>	
<u>SW</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>17</u> ; T. <u>2</u> N; R. <u>16</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>Sta-Rite</u>	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route <u>293 Wright Street</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>Delavan, WI 53115</u>	
Civil Town Name <u>Delavan</u>		Facility Well No. and/or Name (If Applicable) <u>GP-1</u>	WI Unique Well _____
Street Address of Well <u>293 Wright Street</u>		Reason For Abandonment <u>test borehole completed</u>	
City, Village <u>Delavan</u>		Date of Abandonment <u>6/13/96</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>6/13/96</u>	(4) Depth to Water (Feet) <u>32</u>
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input 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 Appl: Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Appl: Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Appl: 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 type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>1</u> Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? <u>NA</u> Feet	(5) Required Method of Placing Sealing Material <input 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 borehole <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 checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite - Cement G <input type="checkbox"/> Chipped Bentonite

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weig
<u>Granular Bentonite</u>	<u>Surface</u>	<u>33</u>	<u>2 3/4 gal</u>		

(8) Comments: Completed response test borehole

(9) Name of Person or Firm Doing Sealing Work On-Site Environmental Hydro-Search, Inc
 Signature of Person Doing Work _____ Date Signed 6/13/96
 Street or Route 175 N Corporate Drive Telephone Number (414) 792-1282
 City, State, Zip Code _____

(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. Cod whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME <u>Sta-Rite Industries</u>	
Well/Drillhole/Borehole Location <u>GP-2</u>	County <u>Walworth</u>	Original Well Owner (If Known) <u>Sta-Rite Industries</u>	
<u>SW 1/4 of NE 1/4 of Sec. 17 ; T. 2 N; R. 16</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>Sta-Rite</u>	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route <u>293 Wright Street</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>Delavan, WI 53115</u>	
Civil Town Name <u>Delavan</u>		Facility Well No. and/or Name (If Applicable) <u>GP-2</u>	WI Unique Well _____
Street Address of Well <u>293 Wright Street</u>		Reason For Abandonment <u>test borehole completed</u>	
City, Village <u>Delavan</u>		Date of Abandonment <u>6/13/96</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>32</u>	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>6/13/96</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not App.	
<input type="checkbox"/> Monitoring Well	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not App.	
<input type="checkbox"/> Water Well		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not App.	
<input type="checkbox"/> Drillhole		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Borehole		If No, Explain _____	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No N	
Total Well Depth (ft.) _____ Casing Diameter (in.) _____	Casing Depth (ft.) _____	Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Lower Drillhole Diameter (in.) <u>1</u>		If Yes, Was Hole Retopped? <input 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? <u>NA</u> Feet		(5) Required Method of Placing Sealing Material	
		<input 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 borehole	
		<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 checked="" type="checkbox"/> Granular Bentonite	
		<input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite - Cement	
		<input type="checkbox"/> Chipped Bentonite	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud We
<u>Granular Bentonite</u>	<u>Surface</u>	<u>26</u>	<u>2 1/4 gal</u>	

(8) Comments: Completed geophone test borehole

(9) Name of Person or Firm Doing Sealing Work
On-Site Environmental Hydro-Search, Inc

Signature of Person Doing Work _____ Date Signed 6/13/96

Street or Route 175 N Corporate Drive Telephone Number (414) 752-1282

City, State, Zip Code _____

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying W/ <input type="checkbox"/> Noncomplying
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. Cod whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME <u>Sta-Rite Industries</u>	
Well/Drillhole/Borehole Location <u>GP-3</u>	County <u>Walworth</u>	Original Well Owner (If Known) <u>Sta-Rite Industries</u>	
<u>SW 1/4 of NE 1/4 of Sec. 17 ; T. 2 N; R. 16</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>Sta-Rite</u>	
(If applicable) Gov't Lot _____	Grid Number _____	Street or Route <u>293 Wright Street</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>Delavan, WI 53115</u>	
Civil Town Name <u>Delavan</u>		Facility Well No. and/or Name (If Applicable) <u>GP-3</u>	WI Unique Well _____
Street Address of Well <u>293 Wright Street</u>		Reason For Abandonment <u>test borehole completed</u>	
City, Village <u>Delavan</u>		Date of Abandonment <u>6/13/96</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>6/13/96</u>	(4) Depth to Water (Feet) <u>32</u>
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input 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.) <u>1</u> Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? <u>NA</u> Feet	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not App. Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not App. Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not App. 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 type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input 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 type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____ (6) Sealing Materials For monitoring wells an monitoring well boreho: <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 checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite - Cement <input type="checkbox"/> Chipped Bentonite

(7)	Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud We
	<u>Granular Bentonite</u>	<u>Surface</u>	<u>26</u>	<u>2 gal</u>		

(8) Comments: Completed Geoprobe test borehole

(9) Name of Person or Firm Doing Sealing Work
On-Site Environmental Hydro-Search, Inc

Signature of Person Doing Work _____ Date Signed 6/13/96

Street or Route _____ Telephone Number (914) 792-1282

City, State, Zip Code _____

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected _____	District/County _____
Reviewer/Inspector _____	<input type="checkbox"/> Complying W <input type="checkbox"/> Noncomplying
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 <u>Sta-Rite Industries</u>	
Well/Drillhole/Borehole Location <u>GP-4</u>	County <u>Walworth</u>	Original Well Owner (If Known) <u>Sta-Rite Industries</u>	
<u>SW</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>17</u> ; T. <u>2</u> N.; R. <u>16</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>Sta-Rite</u>	
(If applicable) Gov't Lot _____ Grid Number _____	Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Street or Route <u>293 Wright Street</u>	
Civil Town Name <u>Delavan</u>	City, State, Zip Code <u>Delavan, WI 53115</u>	Facility Well No. and/or Name (If Applicable) <u>GP4</u>	WI Unique Well _____
Street Address of Well <u>293 Wright Street</u>	Reason For Abandonment <u>test borehole completed</u>	Date of Abandonment <u>6/13/96</u>	
City, Village <u>Delavan</u>			

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>6/13/96</u>		(4) Depth to Water (Feet) <u>32</u>	
<input 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 checked="" type="checkbox"/> No	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Appl Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Appl Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Appl Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____	
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	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____	Lower Drillhole Diameter (in.) <u>1</u>	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? <u>NA</u> Feet	(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 <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement C		

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud We.
<u>Granular Bentonite</u>	<u>Surface</u>	<u>26</u>	<u>2 7/8 gal</u>	

(8) Comments: Completed Geoprobe test borehole

(9) Name of Person or Firm Doing Sealing Work
On-Site Environmental Hydro-Search, Inc

Signature of Person Doing Work _____ Date Signed 6/13/96

Street or Route 175 N Corporate Drive Telephone Number (914) 792-1282

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected _____ District/County _____

Reviewer/Inspector _____ Complying Work Noncomplying

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 <u>Sta-Rite Industries</u>	
Well/Drillhole/Borehole Location <u>GP-5</u>	County <u>Walworth</u>	Original Well Owner (If Known) <u>Sta-Rite Industries</u>	
(If applicable) <u>SW 1/4 of NE 1/4 of Sec. 17; T. 2 N; R. 16</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W Gov't Lot _____ Grid Number _____		Present Well Owner <u>Sta-Rite</u>	
		Street or Route <u>293 Wright Street</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>Delavan, WI 53115</u>	
Civil Town Name <u>Delavan</u>		Facility Well No. and/or Name (If Applicable) <u>GP-5</u>	WI Unique Well _____
Street Address of Well <u>293 Wright Street</u>		Reason For Abandonment <u>test bore hole completed</u>	
City, Village <u>Delavan</u>		Date of Abandonment <u>6/13/96</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>6/13/96</u>	
<input 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 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.) _____ (From ground surface)	Casing Diameter (in.) _____ Casing Depth (ft.) _____
Lower Drillhole Diameter (in.) <u>1</u>	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? <u>NA</u> Feet	
(4) Depth to Water (Feet) <u>32</u>	
Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Appl Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Appl Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Appl 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 type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input 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 type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
(6) Sealing Materials	
For monitoring wells and monitoring well borehole: <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 checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement C	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weig
<u>Granular Bentonite</u>	<u>Surface</u>	<u>26</u>	<u>2 1/4 gal</u>	

(8) Comments: Completed geophone test borehole

(9) Name of Person or Firm Doing Sealing Work On-Site Environmental Hydro-Search, Inc

Signature of Person Doing Work _____ Date Signed 6/13/96

Street or Route 175 N Corporate Drive Telephone Number (414) 792-1282

(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. Cod whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME <u>Sta-Rite Industries</u>	
Well/Drillhole/Borehole Location <u>GP-1</u>	County <u>Walworth</u>	Original Well Owner (If Known) <u>Sta-Rite Industries</u>	
<u>SW</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>17</u> ; T. <u>2</u> N.; R. <u>16</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>Sta-Rite</u>	
(If applicable) Gov't Lot _____	Grid Number _____	Street or Route <u>293 Wright Street</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>Delavan, WI 53115</u>		
Civil Town Name <u>Delavan</u>	Facility Well No. and/or Name (If Applicable) <u>GP-1</u>	WI Unique Well _____	
Street Address of Well <u>293 Wright Street</u>	Reason For Abandonment <u>test borehole completed</u>		
City, Village <u>Delavan</u>	Date of Abandonment <u>6/13/96</u>		

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>6/13/96</u>	
<input 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 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.) _____	Casing Diameter (in.) _____
(From ground surface)	Casing Depth (ft.) _____
Lower Drillhole Diameter (in.) <u>1</u>	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
If Yes, To What Depth? <u>NA</u> Feet	
(4) Depth to Water (Feet)	
Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not App.	
Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not App.	
Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not App.	
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 type="checkbox"/> No	
Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>N</u>	
Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input 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 type="checkbox"/> Conductor Pipe-Pumped	
<input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
(6) Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	For monitoring wells an monitoring well borehol
<input type="checkbox"/> Sand-Cement (Concrete) Grout	
<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite Pellets
<input type="checkbox"/> Clay-Sand Slurry	<input checked="" type="checkbox"/> Granular Bentonite
<input type="checkbox"/> Bentonite-Sand Slurry	<input type="checkbox"/> Bentonite - Cement
<input type="checkbox"/> Chipped Bentonite	

(7)	Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud We
	<u>Granular Bentonite</u>	<u>Surface</u>	<u>26</u>	<u>2 1/4 gal</u>		

(8) Comments: Completed Geoprobe test borehole

(9) Name of Person or Firm Doing Sealing Work On-Site Environmental Hydro-Search, Inc.

Signature of Person Doing Work _____ Date Signed 6/13/96

Street or Route 175 N Corporate Drive Telephone Number (414) 792-1282

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected _____ District/County _____

Reviewer/Inspector _____ Complying W/ Noncomplying

Follow-up Necessary _____

STA-RITE

Sta-Rite Industries, Inc.

293 Wright Street
Delavan, WI 53115
(414) 728-5551

STA-RITE is WICOR company

February 19, 1996

Mr. Tom Wentland
Wisconsin Department of
Natural Resources
4041 N. Richards Street
P.O. Box 12436
Milwaukee, WI 53212

Dear Tom,

I have enclosed two copies of the report relating to the storage building project at Sta-Rite Industries, Delavan Wisconsin. The report is a follow up from your November 21, 1996, visit. The report covers the sampling of the footing excavations and our recommendations. The building is going as scheduled, and should be completed shortly.

Tom, if you should have any questions or concerns about this report, call me at 414-728-7216.

Sincerely,



Jon Raymond
Environmental Engineer

**Release Investigation Report
Storage Building Project
Sta-Rite Industries
Delavan Wisconsin**

**Prepared By
Jon Raymond
Sta-Rite Industries**

February 19, 1996

SUMMARY

Sta-Rite Industries is in the process of erecting a chip storage building over the existing concrete pad and catch basin to prevent stormwater from coming into contact with industrial materials (figure 2). In the process of erecting the structure, twelve, six foot by seven foot by six foot excavations were dug for concrete footings. During the excavation process on November 16, 1996, the contractors noticed soil staining and petroleum odors. The contractors ceased digging and contacted Jon Raymond, Environmental Engineer of Sta-Rite. We observed the excavations and recommended putting a hold on further digging until communication with the WDNR occurred.

A phone call was placed and a message was left for Mr. Tom Wentland of the WDNR, on November 16, 1996. Mr. Wentland is the current project manager for the existing remedial actions taking place at Sta-Rite. On November 17, 1996, Mr. Wentland and I conversed on the telephone regarding the developments during the storage building construction. At this time, I informed Mr. Wentland of the observed soil staining and the petroleum odors.

We discussed the situation and the action to be taken. The plan of action was to continue the excavation, place the excavated soil on plastic, sample the excavations and analyze the samples for VOC, DRO & metals. A site visit was planned for Monday, November 20, 1996, so Mr. Wentland could view the site.

The site visit was rescheduled for Tuesday, November 21, 1996. Mr. Wentland observed the excavations and the operation. The recommendation was to continue with the investigation as planned and to continue with the construction as planned. It was agreed that a report with the results of the sampling would be submitted to Mr. Wentland.

The sampling was conducted on November 17, 1996. Four excavations were selected for sampling. Two samples were collected from each excavation. One sample was collected a minimum of approximately foot below the existing concrete slab as long as the sample was collected from parent material and the second sample was collected 38" to 60" below the existing concrete slab. This depth varied dependent on the excavation depth on November 17, 1996.

The samples were collected in the appropriate jars following appropriate field procedures and were sent with chain of custody to the laboratory to be analyzed for VOC, DRO, & metals. The analytical results (see table 1) showed presence of DRO and VOCs at excavation F (see figure 3).

The recommendation at this time is to continue constructing the storage building and investigate the area around excavation F in the Spring of 1996.

THE SITE

The Sta-Rite facility is located at 293 South Wright Street, City of Delavan, Walworth County, Wisconsin, and occupies approximately 70 acres (figure 1). The Sta-Rite property is located in the SE 1/4 of Section 17 in Delavan Township (T2N, R16E) and is bordered on the south by a commercial strip shopping center, and on the west by Wright Street, on the north by the Calumet Railroad, and on the east by agricultural farmland. The west side of Wright Street, adjacent to the site, is occupied by industrial and commercial properties, and City Well #4. The National Priorities List (NPL) site is the portion of the aquifer in which City Well #4 intercepts ground water.

Sta-Rite has operated manufacturing facilities located at 293 Wright Street, Delavan, Wisconsin since 1958. Two major plants on the site produce high quality water pumps and related products. Plant #1, located approximately 1000 feet north-northeast of City Well #4, was built in 1958. Several expansions to Plant #1 have been added since then. Plant #2, located approximately 400 feet east of City Well #4 was built in 1968.

The area of investigation is approximately 450 ft south of Plant 1 and 650 ft east of Wright Street. It is 40 ft directly west of the soil vapor ground water extraction field referred to as the Chip Storage Extraction System (figure 3), which is part of the remedial efforts to clean up Well #4.

SITE PHYSICAL CHARACTERISTICS

Reference the report prepared by Hydro-Search for Sta-Rite Industries titled "Remedial Investigation of the Sta-Rite Industries Site Delavan, Wisconsin" dated March 12, 1993.

REMEDIAL ACTIVITIES ON SITE

The site has seven groundwater extraction wells operating as a hydraulic barrier between Well #4 and the site. For more detail about the past remedial activities, Reference the report prepared by Hydro-Search for Sta-Rite Industries titled "Remedial Investigation of the Sta-Rite Industries Site Delavan, Wisconsin" dated March 12, 1993. Three areas on the site have point source soil vapor groundwater extraction (SVGE) remedial activities. The two sources are located by Plant 2 and one source is located by Plant 1. These activities are the results of the site investigations on record with the state pertaining to Delavan Well #4. For more detail about the most recent remedial activities reference the report prepared by Hydro-Search for Sta-Rite Industries titled "Remedial Design / Remedial Action Project Plans Interim Remedial Measure", dated March 18, 1993.

INVESTIGATION

November 16, 1996, during the Chip Storage Building Project, the contractors while excavating for footings observed stained soil and petroleum odors. The contractors contacted, Jon Raymond, Environmental Engineer for Sta-Rite Industries. Upon observing the excavations, the project was put on hold until contacting the WDNR. On November 16, 1996, a phone call was placed and a message left for Mr. Tom Wentland, of the WDNR current project manager for the

site. November 17, 1996, Tom Wentland and Jon Raymond conversed about the recent developments. It was agreed to continue with the construction project, placing all excavated soils on plastic on site, and to sample the excavations for DRO, VOC, and metals.

Sampling

Sampling of the excavations was conducted on November 17, 1996, Jon Raymond and assisted by Mr. Curt Heshelman, of Sta-Rite. It was predetermined to sample 4 of the 12 excavations. The excavations selected for sampling were F, E, H, & B (see figure 2). These locations were selected first based on visible soil staining and odors and second in an arrangement to perimeter the work site as to characterize potential migration.

At each excavation, two soil samples were collected and described as a top and a bottom sample. The measurement of depth of sample was coordinated from the surface of the existing concrete slab to the sample location. See table 2 for sample depths and excavation specifications. The samples were collected using stainless steel spoons decontaminated between samples. The person collecting the samples wore fresh gloves for each sample. The VOC and metals samples were collected in 4 ounce, glass, Teflon lid jars, and the DRO samples were collected in 2 ounce, glass, Teflon lid jars. The DRO samples were recollected on November 22, 1996, because the sampling of November 17, 1996, was not conducted according to the WDNR guidance for DRO sampling. The November 22, 1996, samples did not to exceed 35 grams of sample as specific in the state DRO sampling protocol.

Analysis

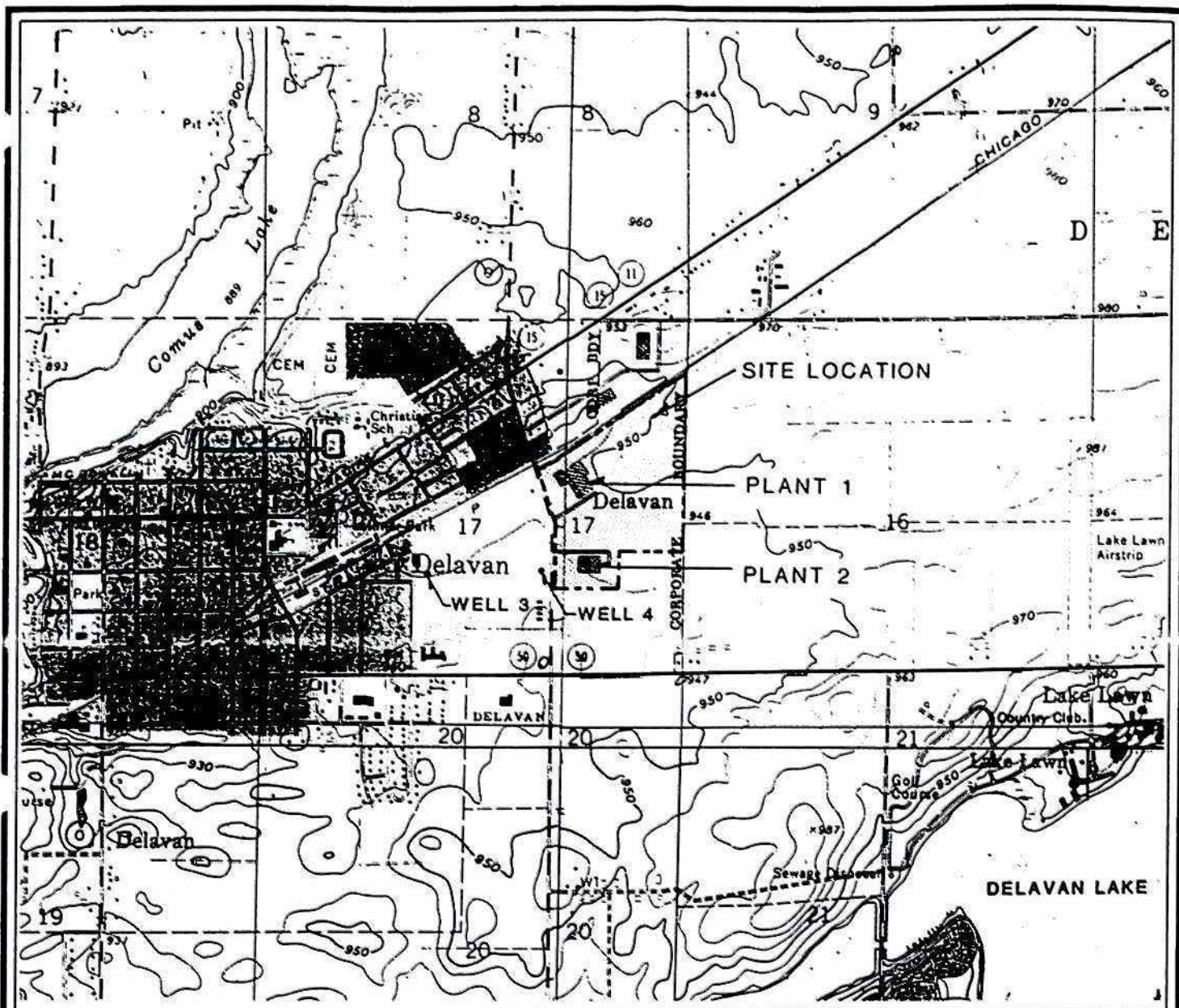
The samples were sent via chain of custody on ice to Environmental Monitoring & Technologies, Inc., of Morton Grove, Illinois Cert #999888890, to be analyzed for DRO Wisconsin Methodology, VOC method 8260, and metals in accordance with SW-846.

Results

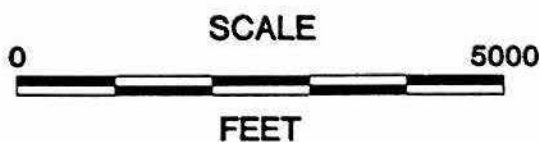
The analytical results are summarized in table 1 and laboratory reports are in Appendix A. The results show sample F-Top having a DRO result of 73,800 and F-Bottom having a DRO result of 6,000 PPM. Seven VOCs were detected in PPB in sample F-Bottom. These VOCs are Toluene 736.00 PPB, Ethylbenzene 36.00 PPB, Xylenes 174.00 PPB, Chloroethane 5.20 PPB, 1,1 Dichloroethane 44.40 PPB, 1,1,1 Trichloroethane 67.40 PPB & Trichloroethylene 10.70 PPB. No chlorinates were detected in sample F-Top. Toluene 240.00 PPB, Ethylbenzene 7.50 PPB, & Xylene 41.50 PPB were detected in F-Top. The DRO results of samples B,E, & H all were below 100 PPM. B,E & H had insignificant detections Toluene, Ethylbenzene, Xylenes, Benzene, Trichloroethylene and Tetrachloroethane (Table 1).

RECOMMENDATIONS

It is recommended to proceed with the construction of the chip storage building. Further investigation of the soil contamination around excavation F needs to be conducted. It is our recommendation to perform such an investigation in the Spring of 1996.



QUADRANGLE LOCATION



National Geodetic Vertical Datum of 1929
Contour Interval 10 Feet



Base map from U.S.G.S. 7.5' Delavan and Elkhorn, WI topographic quadrangle maps, photorevised 1971.

SIMON HYDRO-SEARCH

Brookfield Lakes Corporate Center XII
175 N. Corporate Drive, Suite 100
Brookfield, Wisconsin 53045

STA-RITE INDUSTRIES, INC.
DELAVAN, WISCONSIN

**SITE LOCATION and
LOCAL TOPOGRAPHY**

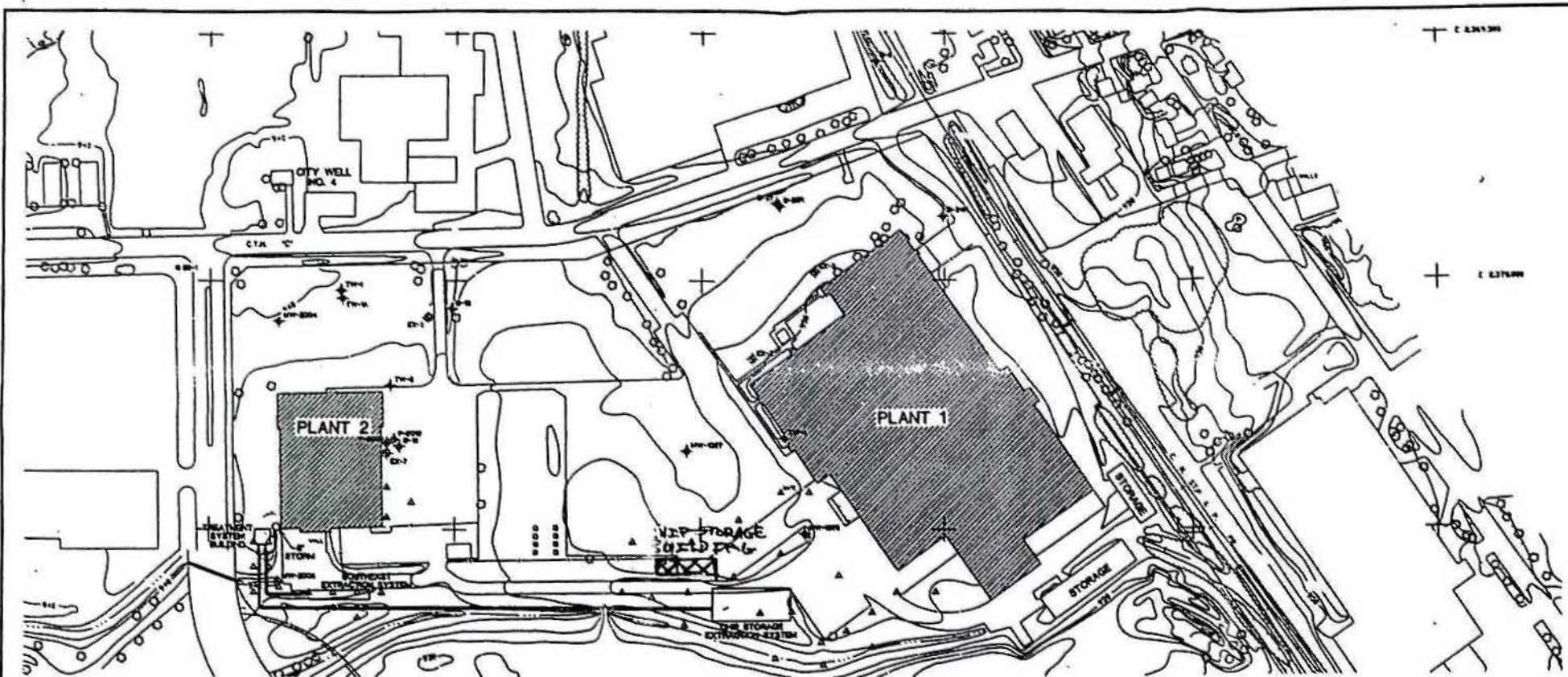
Dsgn. by: Chk. by: Apprv. by:

PROJECT: 350115013

DATE: 03/09/93

DRAWING:

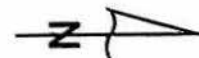
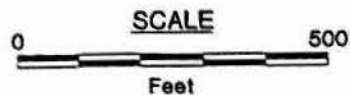
FIGURE. 1



EXPLANATION

- MW-2004** MONITOR WELL
LOCATION AND DESIGNATION
- E-3** EXTRACTION WELL
LOCATION AND DESIGNATION
- SS-1** STORM SEWER SAMPLE
LOCATION AND DESIGNATION
- P-2009** PIEZOMETER
LOCATION AND DESIGNATION

NOTE: MW-2004 Installed by Simon Hydro-Search
 D-24R Replacement Installed by Simon Hydro-Search
 D-8 Installed by Donohue
 TW-1 Installed by Warzyn



STA-RITE INDUSTRIES, INC. DELAVAN, WISCONSIN	DATE: 11/30/04 DESIGNED: RAG CHECKED: JJJ APPROVED: JJJ DRAWN: RAG PROJ: 35016503
MONITORING POINT LOCATIONS	
HYDRO-SEARCH INC A Tetra Tech Company	Figure 2

Base map from Aero-Metric Engineering, 4-16-00.

HW/336/12013-1301-25-04

SUBJECT _____

Sheet _____ of _____

By _____ Date _____

Project No. _____

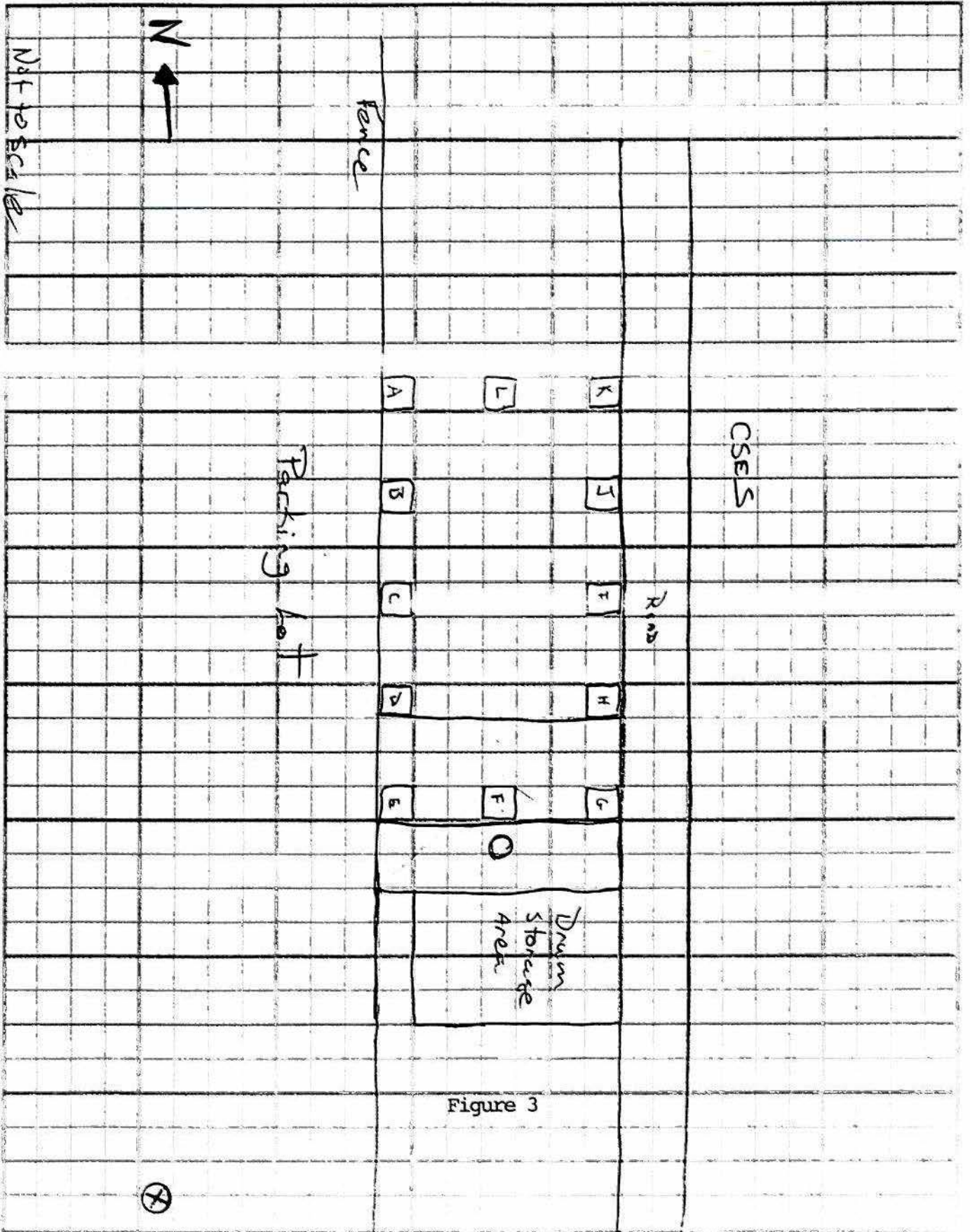


Figure 3

Samples from storage building footing excavations -- listing detected compounds

Metals -- PPM	F - top	F - bottom	E - top	E - bottom	H - top	H - bottom	B - top	B - bottom
As	4.3	5.2	6.9	7.6	7.6	4.8	4.7	5.6
Ba	54	95	140	120	100	54	67	130
Cd	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Cr	13	21	20	18	20	11	9.1	26
Pb	11	4.1	4.9	6.5	4.6	4.9	5.5	4
Hg	0.0353	<0.03	0.0354	<0.03	<0.03	<0.03	<0.03	0.0576
Se	<0.2	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	0.54
Zn	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5

Volatiles -- PPB	F - top	F - bottom	E - top	E - bottom	H - top	H - bottom	B - top	B - bottom
Toluene	240.00	763.00		53.00				
Ethylbenzene	7.50	36.70			6.50	3.60		
Xylenes	41.50	174.00				570.00	2.70	
Chloroethane		5.20						
1,1 - Dichloroethane		44.40						
1,1,1 - Trichloroethane		67.40						
Trichloroethylene		10.70				5.00		
Tetrachloroethane						1.60	6.00	
Benzene							3.00	

	F - top	F - bottom	E - top	E - bottom	H - top	H - bottom	B - top	B - bottom
DRO	73800.00	6000.00	50.00	57.00	21.10	9.00	28.20	95.30

Metal and VOC samples were collected on 11/17/95. DRO samples were collected on 11/22/95

Top samples were collected on average 1 foot below top of concrete slab.

Bottom samples were collected on average 4 feet below top of concrete slab.

Table 1

Sampling Depths and Excavation Dimensions

	B	E	F	H
Sample Depth Top	1.9'	1.0'	1.33'	1.5'
Sample Depth Bottom	5.0'	3.2'	3.8'	4.0'
Excavation Dimensions	6.5'x7.0'x5.0'	7.0'x8.5'x3.2'	6.0'x7'x3.8'	7.0'x8.0'x4.0'

excavation depths are at the time of sampling

Table 2

APPENDIX A



ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

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Morton Grove, Illinois 60053-3203
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FAX: 708/967-6735

LABORATORY REPORT

134451

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/21/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, F Top
Sample No.: 37299

Total

Arsenic	4.30	ppm
Barium	54.0	ppm
Cadmium	<0.80	ppm
Chromium	13.0	ppm
Lead	11.0	ppm
Mercury	0.0353	ppm
Selenium	<0.200	ppm
Silver	<2.50	ppm

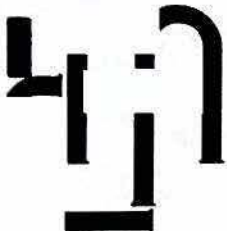
Wisconsin Certified Laboratory #999888890.

All results expressed as ppm unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

The contents of this report apply to the sample analyzed. No duplication of this report is allowed except its entirety.

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ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

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FAX: 708/967-6735

LABORATORY REPORT

134450

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/21/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, F Bottom
Sample No.: 37300

Total

Arsenic	5.20	ppm
Barium	95.0	ppm
Cadmium	<0.80	ppm
Chromium	21.0	ppm
Lead	4.10	ppm
Mercury	<0.0300	ppm
Selenium	0.220	ppm
Silver	<2.50	ppm

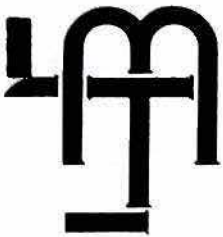
Wisconsin Certified Laboratory #999888890.

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LABORATORY REPORT

134449

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/21/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, E Top
Sample No.: 37301

Total

Arsenic	6.90	ppm
Barium	140	ppm
Cadmium	<0.80	ppm
Chromium	20.0	ppm
Lead	4.90	ppm
Mercury	0.0354	ppm
Selenium	0.500	ppm
Silver	<2.50	ppm

Wisconsin Certified Laboratory #999888890.

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FAX: 708/967-6735

LABORATORY REPORT

134448

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/21/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, E Bottom
Sample No.: 37302

Total

Arsenic	7.60	ppm
Barium	120	ppm
Cadmium	<0.80	ppm
Chromium	18.0	ppm
Lead	6.50	ppm
Mercury	<0.0300	ppm
Selenium	<0.200	ppm
Silver	<2.50	ppm

Wisconsin Certified Laboratory #999888890.

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LABORATORY REPORT

134447

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/21/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, H Top
Sample No.: 37303

Total

Arsenic	7.60	ppm
Barium	100	ppm
Cadmium	<0.80	ppm
Chromium	20.0	ppm
Lead	4.60	ppm
Mercury	<0.0300	ppm
Selenium	0.300	ppm
Silver	<2.50	ppm

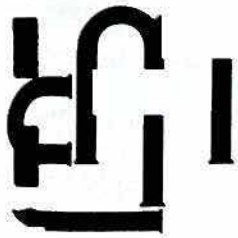
Wisconsin Certified Laboratory #999888890.

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LABORATORY REPORT

134446

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/21/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, H Bottom
Sample No.: 37304

Total

Arsenic	4.80	ppm
Barium	54.0	ppm
Cadmium	<0.80	ppm
Chromium	11.0	ppm
Lead	4.90	ppm
Mercury	<0.0300	ppm
Selenium	<0.200	ppm
Silver	<2.50	ppm

Wisconsin Certified Laboratory #999888890.

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LABORATORY REPORT

134445

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/21/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, B TOP
Sample No.: 37305

Total

Arsenic	4.70	ppm
Barium	67.0	ppm
Cadmium	<0.80	ppm
Chromium	9.10	ppm
Lead	5.50	ppm
Mercury	<0.0300	ppm
Selenium	<0.200	ppm
Silver	<2.50	ppm

Wisconsin Certified Laboratory #999888890.

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LABORATORY REPORT

134452

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/21/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, B Bottom
Sample No.: 37306

Total

Arsenic	5.60	ppm
Barium	130	ppm
Cadmium	<0.80	ppm
Chromium	26.0	ppm
Lead	4.00	ppm
Mercury	0.0576	ppm
Selenium	0.540	ppm
Silver	<2.50	ppm

Wisconsin Certified Laboratory #999888890.

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LABORATORY REPORT

134451-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/28/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, F Top
Sample No.: 37299

Compound <u>Purgeables</u>	Concentration Found In		Method Detection Limit (MDL)	Quantitation Limit
	<u>Sample</u> (ppb)	<u>Blank</u> (ppb)	<u>ug/kg (ppb)</u>	<u>ug/kg (ppb)</u>
1. Chloromethane	<1.0	<1.0	1.0	10
2. Bromomethane	<0.7	<0.7	0.7	10
3. Vinyl chloride	<0.7	<0.7	0.7	10
4. Chloroethane	<0.7	<0.7	0.7	10
5. Dichloromethane	<0.8	<0.8	0.8	5
6. Acrolein	<15.0	<15.0	15.0	50
7. Acrylonitrile	<5.0	<5.0	5.0	50
8. Trichlorofluoromethane	<0.5	<0.5	0.5	5
9. 1,1-Dichloroethene	<0.5	<0.5	0.5	5
10. 1,1-Dichloroethane	<0.5	<0.5	0.5	5
11. trans-1,2-Dichloroethene	<0.5	<0.5	0.5	5
12. Chloroform	<0.5	<0.5	0.5	5
13. 1,2-Dichloroethane	<1.6	<1.6	1.6	5
14. 1,1,1-Trichloroethane	<0.5	<0.5	0.5	5
15. Carbon tetrachloride	<0.6	<0.6	0.6	5
16. Bromodichloromethane	<0.6	<0.6	0.6	5
17. 1,2-Dichloropropane	<0.5	<0.5	0.5	5
18. cis-1,3-Dichloropropene	<0.5	<0.5	0.5	5
19. Trichloroethene	<0.5	<0.5	0.5	5
20. Benzene	<0.5	<0.5	0.5	5
21. Dibromochloromethane	<1.8	<1.8	1.8	5
22. Trans-1,3-Dichloropropene	<0.9	<0.9	0.9	5
23. 1,1,2-Trichloroethane	<2.5	<2.5	2.5	5
24. 2-Chloroethyl vinyl ether	<90.2	<90.2	90.2	5

Leah E. Zuber

LABORATORY DIRECTOR



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LABORATORY REPORT

134451-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/28/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, F Top
Sample No.: 37299

Compound <u>Purgeables</u>	Concentration Found In		Method Detection Limit (MDL) <u>ug/kg (ppb)</u>	Quantitation Limit <u>ug/kg (ppb)</u>
	<u>Sample</u> (ppb)	<u>Blank</u> (ppb)		
25. Bromoform	<4.0	<4.0	4.0	5
26. Tetrachloroethene	<0.7	<0.7	0.7	5
27. 1,1,2,2-Tetrachloroethane	<3.9	<3.9	3.9	5
28. Toluene	240	<0.5	0.5	5
29. Chlorobenzene	<0.6	<0.6	0.6	5
30. Ethylbenzene	7.5	<0.6	0.6	5
31. Xylenes	41.5	<0.6	0.6	5

Wisconsin Certified Laboratory #999888890.

All results expressed as ppb unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

The contents of this report apply to the sample analyzed. No duplication of this report is allowed except its entirety.

Leah E. Zuber

LABORATORY DIRECTOR



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LABORATORY REPORT

134450-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/28/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, F Bottom
Sample No.: 37300

Compound <u>Purgeables</u>	Concentration Found In		Method Detection Limit (MDL)	Quantitation Limit
	<u>Sample</u> (ppb)	<u>Blank</u> (ppb)	<u>ug/kg</u> (ppb)	<u>ug/kg</u> (ppb)
1. Chloromethane	23.1	<1.0	1.0	10
2. Bromomethane	<0.7	<0.7	0.7	10
3. Vinyl chloride	<0.7	<0.7	0.7	10
4. Chloroethane	5.2	<0.7	0.7	10
5. Dichloromethane	<0.8	<0.8	0.8	5
6. Acrolein	<15.0	<15.0	15.0	50
7. Acrylonitrile	<5.0	<5.0	5.0	50
8. Trichlorofluoromethane	<0.5	<0.5	0.5	5
9. 1,1-Dichloroethene	<0.5	<0.5	0.5	5
10. 1,1-Dichloroethane	44.4	<0.5	0.5	5
11. trans-1,2-Dichloroethene	<0.5	<0.5	0.5	5
12. Chloroform	<0.5	<0.5	0.5	5
13. 1,2-Dichloroethane	<1.6	<1.6	1.6	5
14. 1,1,1-Trichloroethane	67.4	<0.5	0.5	5
15. Carbon tetrachloride	<0.6	<0.6	0.6	5
16. Bromodichloromethane	<0.6	<0.6	0.6	5
17. 1,2-Dichloropropane	<0.5	<0.5	0.5	5
18. cis-1,3-Dichloropropene	<0.5	<0.5	0.5	5
19. Trichloroethene	10.7	<0.5	0.5	5
20. Benzene	<0.5	<0.5	0.5	5
21. Dibromochloromethane	<1.8	<1.8	1.8	5
22. Trans-1,3-Dichloropropene	<0.9	<0.9	0.9	5
23. 1,1,2-Trichloroethane	<2.5	<2.5	2.5	5
24. 2-Chloroethyl vinyl ether	<90.2	<90.2	90	100

Leah E. Zuber

LABORATORY DIRECTOR



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LABORATORY REPORT

134450-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/28/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, F Bottom
Sample No.: 37300

Compound <u>Purgeables</u>	Concentration Found In		Method Detection Limit (MDL) <u>ug/kg (ppb)</u>	Quantitation Limit <u>ug/kg (ppb)</u>
	<u>Sample</u> (ppb)	<u>Blank</u> (ppb)		
25. Bromoform	<4.0	<4.0	4.0	5
26. Tetrachloroethene	<0.7	<0.7	0.7	5
27. 1,1,2,2-Tetrachloroethane	<3.9	<3.9	3.9	5
28. Toluene	763	<0.5	0.5	5
29. Chlorobenzene	<0.6	<0.6	0.6	5
30. Ethylbenzene	36.7	<0.6	0.6	5
31. Xylenes	174	<0.6	0.6	5

Wisconsin Certified Laboratory #999888890.

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LABORATORY DIRECTOR



ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

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FAX: 708/967-6735

LABORATORY REPORT

134449-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

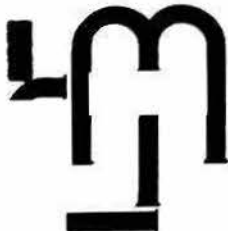
Report Date: 11/28/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, E Top
Sample No.: 37301

Compound <u>Purgeables</u>	Concentration Found In		Method Detection Limit (MDL)	Quantitation Limit
	<u>Sample</u> (ppb)	<u>Blank</u> (ppb)	<u>ug/kg</u> (ppb)	<u>ug/kg</u> (ppb)
1. Chloromethane	<1.0	<1.0	1.0	10
2. Bromomethane	<0.7	<0.7	0.7	10
3. Vinyl chloride	<0.7	<0.7	0.7	10
4. Chloroethane	<0.7	<0.7	0.7	10
5. Dichloromethane	<0.8	<0.8	0.8	5
6. Acrolein	<15.0	<15.0	15.0	50
7. Acrylonitrile	<5.0	<5.0	5.0	50
8. Trichlorofluoromethane	<0.5	<0.5	0.5	5
9. 1,1-Dichloroethene	<0.5	<0.5	0.5	5
10. 1,1-Dichloroethane	<0.5	<0.5	0.5	5
11. trans-1,2-Dichloroethene	<0.5	<0.5	0.5	5
12. Chloroform	<0.5	<0.5	0.5	5
13. 1,2-Dichloroethane	<1.6	<1.6	1.6	5
14. 1,1,1-Trichloroethane	<0.5	<0.5	0.5	5
15. Carbon tetrachloride	<0.6	<0.6	0.6	5
16. Bromodichloromethane	<0.6	<0.6	0.6	5
17. 1,2-Dichloropropane	<0.5	<0.5	0.5	5
18. cis-1,3-Dichloropropene	<0.5	<0.5	0.5	5
19. Trichloroethene	<0.5	<0.5	0.5	5
20. Benzene	<0.5	<0.5	0.5	5
21. Dibromochloromethane	<1.8	<1.8	1.8	5
22. Trans-1,3-Dichloropropene	<0.9	<0.9	0.9	5
23. 1,1,2-Trichloroethane	<2.5	<2.5	2.5	5
24. 2-Chloroethyl vinyl ether	<90.2	<90.2	90.2	5

Leah E. Zuber

LABORATORY DIRECTOR



ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
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LABORATORY REPORT

134449-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/28/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, E Top
Sample No.: 37301

Compound <u>Purgeables</u>	Concentration Found In		Method Detection Limit (MDL) ug/kg (ppb)	Quantitation Limit ug/kg (ppb)
	<u>Sample</u> (ppb)	<u>Blank</u> (ppb)		
25. Bromoform	<4.0	<4.0	4.0	5
26. Tetrachloroethene	<0.7	<0.7	0.7	5
27. 1,1,2,2-Tetrachloroethane	<3.9	<3.9	3.9	5
28. Toluene	<0.5	<0.5	0.5	5
29. Chlorobenzene	<0.6	<0.6	0.6	5
30. Ethylbenzene	<0.6	<0.6	0.6	5
31. Xylenes	<0.6	<0.6	0.6	5

Wisconsin Certified Laboratory #999888890.

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LABORATORY DIRECTOR



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FAX: 708/967-6735

LABORATORY REPORT

134448-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/28/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, E Bottom
Sample No.: 37302

Compound Purgeables	Concentration Found In		Method Detection Limit (MDL)		Quantitation Limit
	Sample (ppb)	Blank (ppb)	ug/kg	(ppb)	ug/kg (ppb)
1. Chloromethane	<1.0	<1.0		1.0	10
2. Bromomethane	<0.7	<0.7		0.7	10
3. Vinyl chloride	<0.7	<0.7		0.7	10
4. Chloroethane	<0.7	<0.7		0.7	10
5. Dichloromethane	<0.8	<0.8		0.8	5
6. Acrolein	<15.0	<15.0		15.0	50
7. Acrylonitrile	<5.0	<5.0		5.0	50
8. Trichlorofluoromethane	<0.5	<0.5		0.5	5
9. 1,1-Dichloroethene	<0.5	<0.5		0.5	5
10. 1,1-Dichloroethane	<0.5	<0.5		0.5	5
11. trans-1,2-Dichloroethene	<0.5	<0.5		0.5	5
12. Chloroform	<0.5	<0.5		0.5	5
13. 1,2-Dichloroethane	<1.6	<1.6		1.6	5
14. 1,1,1-Trichloroethane	<0.5	<0.5		0.5	5
15. Carbon tetrachloride	<0.6	<0.6		0.6	5
16. Bromodichloromethane	<0.6	<0.6		0.6	5
17. 1,2-Dichloropropane	<0.5	<0.5		0.5	5
18. cis-1,3-Dichloropropene	<0.5	<0.5		0.5	5
19. Trichloroethene	<0.5	<0.5		0.5	5
20. Benzene	<0.5	<0.5		0.5	5
21. Dibromochloromethane	<1.8	<1.8		1.8	5
22. Trans-1,3-Dichloropropene	<0.9	<0.9		0.9	5
23. 1,1,2-Trichloroethane	<2.5	<2.5		2.5	5
24. 2-Chloroethyl vinyl ether	<90.2	<90.2		90.2	5

Leah E. Zuber

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8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
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LABORATORY REPORT

134448-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/28/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, E Bottom
Sample No.: 37302

Compound Purgeables	Concentration Found In		Method Detection Limit (MDL)	Quantitation Limit
	Sample (ppb)	Blank (ppb)	ug/kg (ppb)	ug/kg (ppb)
25. Bromoform	<4.0	<4.0	4.0	5
26. Tetrachloroethene	<0.7	<0.7	0.7	5
27. 1,1,2,2-Tetrachloroethane	<3.9	<3.9	3.9	5
28. Toluene	53	<0.5	0.5	5
29. Chlorobenzene	<0.6	<0.6	0.6	5
30. Ethylbenzene	<0.6	<0.6	0.6	5
31. Xylenes	<0.6	<0.6	0.6	5

Wisconsin Certified Laboratory #999888890.

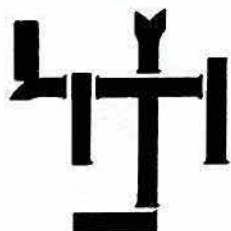
All results expressed as ppb unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

The contents of this report apply to the sample analyzed. No duplication of this report is allowed except its entirety.

Leah E. Zuber

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LABORATORY REPORT

134447-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/28/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, H Top
Sample No.: 37303

Compound <u>Purgeables</u>	Concentration Found In		Method Detection Limit (MDL) ug/kg (ppb)	Quantitation Limit ug/kg (ppb)
	<u>Sample</u> (ppb)	<u>Blank</u> (ppb)		
25. Bromoform	<4.0	<4.0	4.0	5
26. Tetrachloroethene	<0.7	<0.7	0.7	5
27. 1,1,2,2-Tetrachloroethane	<3.9	<3.9	3.9	5
28. Toluene	6.5	<0.5	0.5	5
29. Chlorobenzene	<0.6	<0.6	0.6	5
30. Ethylbenzene	<0.6	<0.6	0.6	5
31. Xylenes	<0.6	<0.6	0.6	5

Wisconsin Certified Laboratory #999888890.

All results expressed as ppb unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

The contents of this report apply to the sample analyzed. No duplication of this report is allowed except its entirety.

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LABORATORY REPORT

134446-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/28/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, H Bottom
Sample No.: 37304

Compound <u>Purgeables</u>	Concentration Found In		Method Detection Limit (MDL) ug/kg (ppb)	Quantitation Limit ug/kg (ppb)
	<u>Sample</u> (ppb)	<u>Blank</u> (ppb)		
1. Chloromethane	<1.0	<1.0	1.0	10
2. Bromomethane	<0.7	<0.7	0.7	10
3. Vinyl chloride	<0.7	<0.7	0.7	10
4. Chloroethane	<0.7	<0.7	0.7	10
5. Dichloromethane	<0.8	<0.8	0.8	5
6. Acrolein	<15.0	<15.0	15.0	50
7. Acrylonitrile	<5.0	<5.0	5.0	50
8. Trichlorofluoromethane	<0.5	<0.5	0.5	5
9. 1,1-Dichloroethene	<0.5	<0.5	0.5	5
10. 1,1-Dichloroethane	<0.5	<0.5	0.5	5
11. trans-1,2-Dichloroethene	<0.5	<0.5	0.5	5
12. Chloroform	<0.5	<0.5	0.5	5
13. 1,2-Dichloroethane	<1.6	<1.6	1.6	5
14. 1,1,1-Trichloroethane	<0.5	<0.5	0.5	5
15. Carbon tetrachloride	<0.6	<0.6	0.6	5
16. Bromodichloromethane	<0.6	<0.6	0.6	5
17. 1,2-Dichloropropane	<0.5	<0.5	0.5	5
18. cis-1,3-Dichloropropene	<0.5	<0.5	0.5	5
19. Trichloroethene	5.0	<0.5	0.5	5
20. Benzene	<0.5	<0.5	0.5	5
21. Dibromochloromethane	<1.8	<1.8	1.8	5
22. Trans-1,3-Dichloropropene	<0.9	<0.9	0.9	5
23. 1,1,2-Trichloroethane	<2.5	<2.5	2.5	5
24. 2-Chloroethyl vinyl ether	<90.2	<90.2	90.2	5

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LABORATORY REPORT

134446-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/28/95
Sample Received On Ice: 11/17/95

Project Name: Storage Building
Sample Description: Soil, H Bottom
Sample No.: 37304

Compound <u>Purgeables</u>	Concentration Found In		Method Detection Limit (MDL) ug/kg (ppb)	Quantitation Limit ug/kg (ppb)
	<u>Sample</u> (ppb)	<u>Blank</u> (ppb)		
25. Bromoform	<4.0	<4.0	4.0	5
26. Tetrachloroethene	1.6	<0.7	0.7	5
27. 1,1,2,2-Tetrachloroethane	<3.9	<3.9	3.9	5
28. Toluene	<0.5	<0.5	0.5	5
29. Chlorobenzene	<0.6	<0.6	0.6	5
30. Ethylbenzene	3.6	<0.6	0.6	5
31. Xylenes	570	<0.6	0.6	5

Wisconsin Certified Laboratory #999888890.

All results expressed as ppb unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

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LABORATORY REPORT

134741

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Project Name: Storage Bldg.
Sample Description: Soil, FT
Sample No.: 37588

Report Date: 11/28/95
Date Sampled: 11/22/95
Date Sample Received: 11/22/95
Date Extracted: 11/22/95
Date Analyzed: 11/27/95

	Concentration Found In Sample (mg/kg)	Method Detection Limit (MDL) (mg/kg)
Diesel Range Organics	73,800	10

Some peaks observed in the chromatograms elute outside DRO reference window.

- Samples received on ice
- All results expressed in ppm on a dry weight basis unless otherwise indicated.
- Analysis performed using Wisconsin Modified DRO method 7/93 rev.
- Wisconsin Laboratory Certification #999888890

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LABORATORY REPORT

134742

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Project Name: Storage Bldg.
Sample Description: Soil, FB
Sample No.: 37589

Report Date: 11/28/95
Date Sampled: 11/22/95
Date Sample Received: 11/22/95
Date Extracted: 11/22/95
Date Analyzed: 11/27/95

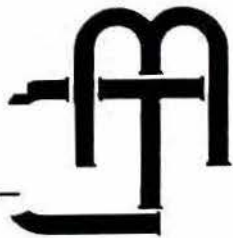
	Concentration Found In Sample (mg/kg)	Method Detection Limit (MDL) (mg/kg)
Diesel Range Organics	6,000	10

Some peaks observed in the chromatograms elute outside DRO reference window.

- Samples received on ice
- All results expressed in ppm on a dry weight basis unless otherwise indicated.
- Analysis performed using Wisconsin Modified DRO method 7/93 rev.
- Wisconsin Laboratory Certification #999888890

Leah E. Zuber

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LABORATORY REPORT

134743

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Project Name: Storage Bldg.
Sample Description: Soil, HT
Sample No.: 37590

Report Date: 11/28/95
Date Sampled: 11/22/95
Date Sample Received: 11/22/95
Date Extracted: 11/22/95
Date Analyzed: 11/27/95

	<u>Concentration Found In Sample (mg/kg)</u>	<u>Method Detection Limit (MDL) (mg/kg)</u>
Diesel Range Organics	21.1	10

Some peaks observed in the chromatograms elute outside DRO reference window.

- Samples received on ice
- All results expressed in ppm on a dry weight basis unless otherwise indicated.
- Analysis performed using Wisconsin Modified DRO method 7/93 rev.
- Wisconsin Laboratory Certification #999888890

Leah E. Zehner

LABORATORY DIRECTOR



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LABORATORY REPORT

134744

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Project Name: Storage Bldg.
Sample Description: Soil, HB
Sample No.: 37591

Report Date: 11/28/95
Date Sampled: 11/22/95
Date Sample Received: 11/22/95
Date Extracted: 11/22/95
Date Analyzed: 11/27/95

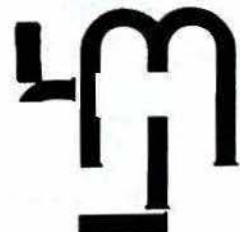
	Concentration Found In Sample (mg/kg)	Method Detection Limit (MDL) (mg/kg)
Diesel Range Organics	9.00	10

Some peaks observed in the chromatograms elute outside DRO reference window.

- Samples received on ice
- All results expressed in ppm on a dry weight basis unless otherwise indicated.
- Analysis performed using Wisconsin Modified DRO method 7/93 rev.
- Wisconsin Laboratory Certification #999888890

Leah E. Zuber

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LABORATORY REPORT

134745

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Project Name: Storage Bldg.
Sample Description: Soil, ET
Sample No.: 37592

Report Date: 11/28/95
Date Sampled: 11/22/95
Date Sample Received: 11/22/95
Date Extracted: 11/22/95
Date Analyzed: 11/27/95

	Concentration Found In Sample (mg/kg)	Method Detection Limit (MDL) (mg/kg)
Diesel Range Organics	50.0	10

Some peaks observed in the chromatograms elute outside DRO reference window.

- Samples received on ice
- All results expressed in ppm on a dry weight basis unless otherwise indicated.
- Analysis performed using Wisconsin Modified DRO method 7/93 rev.
- Wisconsin Laboratory Certification #999888890

Leah E. Zelen

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LABORATORY REPORT

134746

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Project Name: Storage Bldg.
Sample Description: Soil, EB
Sample No.: 37593

Report Date: 11/28/95
Date Sampled: 11/22/95
Date Sample Received: 11/22/95
Date Extracted: 11/22/95
Date Analyzed: 11/27/95

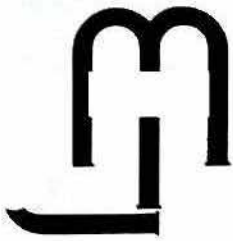
	Concentration Found In Sample (mg/kg)	Method Detection Limit (MDL) (mg/kg)
Diesel Range Organics	57.0	10

Some peaks observed in the chromatograms elute outside DRO reference window.

- Samples received on ice
- All results expressed in ppm on a dry weight basis unless otherwise indicated.
- Analysis performed using Wisconsin Modified DRO method 7/93 rev.
- Wisconsin Laboratory Certification #999888890

Leah E. Zuber

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LABORATORY REPORT

134747

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Project Name: Storage Bldg.
Sample Description: Soil, BT
Sample No.: 37594

Report Date: 11/28/95
Date Sampled: 11/22/95
Date Sample Received: 11/22/95
Date Extracted: 11/22/95
Date Analyzed: 11/27/95

	Concentration Found In Sample (mg/kg)	Method Detection Limit (MDL) (mg/kg)
Diesel Range Organics	28.2	10

Some peaks observed in the chromatograms elute outside DRO reference window.

- Samples received on ice
- All results expressed in ppm on a dry weight basis unless otherwise indicated.
- Analysis performed using Wisconsin Modified DRO method 7/93 rev.
- Wisconsin Laboratory Certification #999888890

Leah E. Zuber

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LABORATORY REPORT

134748

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Project Name: Storage Bldg.
Sample Description: Soil, BB
Sample No.: 37595

Report Date: 11/28/95
Date Sampled: 11/22/95
Date Sample Received: 11/22/95
Date Extracted: 11/22/95
Date Analyzed: 11/27/95

	Concentration Found In Sample (mg/kg)	Method Detection Limit (MDL) (mg/kg)
Diesel Range Organics	95.3	10

Some peaks observed in the chromatograms elute outside DRO reference window.

- Samples received on ice
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- Analysis performed using Wisconsin Modified DRO method 7/93 rev.
- Wisconsin Laboratory Certification #999888890

Leah E. Zuber

LABORATORY DIRECTOR



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LABORATORY REPORT

134741-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/29/95
Sample Received On Ice: 11/22/95

Project Name: Storage Bldg.
Sample Description: Soil, FT
Sample No.: 37588

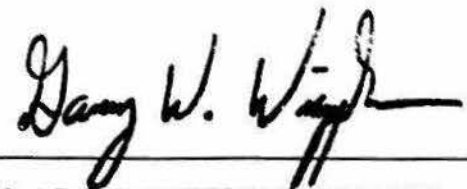
Total Solids 86.7%

Wisconsin Laboratory Certification #99988890.

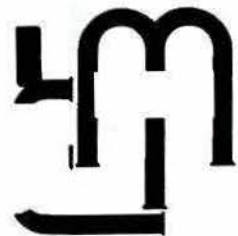
All results expressed as ppm unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

The contents of this report apply to the sample analyzed. No duplication of this report is allowed except its entirety.



LABORATORY DIRECTOR



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LABORATORY REPORT

134742-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/29/95
Sample Received On Ice: 11/22/95

Project Name: Storage Bldg.
Sample Description: Soil, FB
Sample No.: 37589

Total Solids

76.7%

Wisconsin Laboratory Certification #999888890.

All results expressed as ppm unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

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LABORATORY REPORT

134743-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/29/95
Sample Received On Ice: 11/22/95

Project Name: Storage Bldg.
Sample Description: Soil, HT
Sample No.: 37590

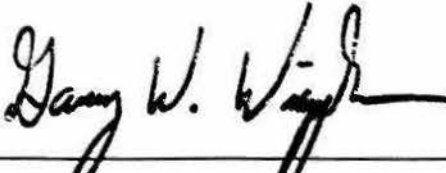
Total Solids 80.3%

Wisconsin Laboratory Certification #999888890.

All results expressed as ppm unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

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LABORATORY REPORT

134744-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/29/95
Sample Received On Ice: 11/22/95

Project Name: Storage Bldg.
Sample Description: Soil, HB
Sample No.: 37591

Total Solids

83.7%

Wisconsin Laboratory Certification #999888890.

All results expressed as ppm unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

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LABORATORY REPORT

134745-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/29/95
Sample Received On Ice: 11/22/95

Project Name: Storage Bldg.
Sample Description: Soil, ET
Sample No.: 37592

Total Solids 80.0%

Wisconsin Laboratory Certification #999888890.

All results expressed as ppm unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

The contents of this report apply to the sample analyzed. No duplication of this report is allowed except its entirety.

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LABORATORY REPORT

134746-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/29/95
Sample Received On Ice: 11/22/95

Project Name: Storage Bldg.
Sample Description: Soil, EB
Sample No.: 37593

Total Solids 77.3%

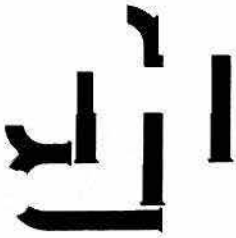
Wisconsin Laboratory Certification #999888890.

All results expressed as ppm unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

The contents of this report apply to the sample analyzed. No duplication of this report is allowed except its entirety.

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LABORATORY REPORT

134747-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/29/95
Sample Received On Ice: 11/22/95

Project Name: Storage Bldg.
Sample Description: Soil, BT
Sample No.: 37594

Total Solids

81.8%

Wisconsin Laboratory Certification #999888890.

All results expressed as ppm unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

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LABORATORY REPORT

134748-A

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/29/95
Sample Received On Ice: 11/22/95

Project Name: Storage Bldg.
Sample Description: Soil, BB
Sample No.: 37595

Total Solids 79.3%

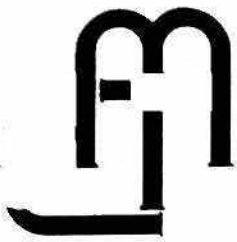
Wisconsin Laboratory Certification #999888890.

All results expressed as ppm unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

The contents of this report apply to the sample analyzed. No duplication of this report is allowed except its entirety.

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LABORATORY REPORT

134758

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/29/95
Sample Received On Ice: 11/22/95

Project Name: Storage Bldg.
Sample Description: Soil, FDW
Sample No.: 37596

Total Solids

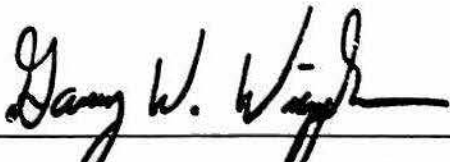
76.2%

Wisconsin Laboratory Certification #999888890.

All results expressed as ppm unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

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ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
708/967-6666
FAX: 708/967-6735

LABORATORY REPORT

134761

STA-Rite
293 S. Wright Street
Delevan, WI 53115

Report Date: 11/29/95
Sample Received On Ice: 11/22/95

Project Name: Storage Bldg.
Sample Description: Soil, BDW
Sample No.: 37599

Total Solids

79.2%

Wisconsin Laboratory Certification #99988890.

All results expressed as ppm unless otherwise indicated.

Methods performed according to SW-846, "Test Methods for Evaluating Solid Waste".

The contents of this report apply to the sample analyzed. No duplication of this report is allowed except its entirety.

LABORATORY DIRECTOR



ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

TURNAROUND TIME:
 RUSH
 ___ day turnaround
 ROUTINE

Chain of Custody Record

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203

708-967-6666
FAX: 708-967-6735

Due Date: _____ COC #: 29092

Company: STA-Rite
 Address: 293 S. Wright Street
Delwan WF 53115
 Phone #: 414 728-7216 Fax #: 414 728-7213
 P.O. #: _____ Proj. #: _____
 Client Contact: Jon Raymond
 Project ID / Location: Storage Bldg.

Sample Type: Container Type:
 1. Water P - Plastic
 2. Soil G - Glass
 3. Sludge V - VOC
 4. Oil B - Bag
 5. Tissue O - Other
 Other: _____
 Preservative:
 1. None 3. HNO3
 2. H2SO4 4. NaOH

*YOC Method
DRO - Rosin
As-Bel Cd Cr
Pb Hg Se Ag*

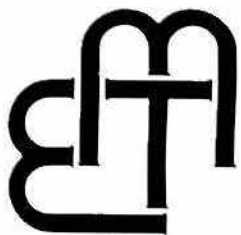
Analyses

Sample I.D. (10 Characters ONLY)	Sample Type	Container			Sampling		Preservative	Lab I.D.	Analysis		Comments	
		Size	Type	No.	Date	Time						
F Top	soil	4oz	G	1	11/17/95	13:30	4°C	37299	X	X	134451	\$420.00 per
F Bottom						13:40		37300			134450	
E Top						13:50		37301			134449	Results
E Bottom						14:00		37302			134448	Wed. 11/22
H Top						14:10		37303			134447	
H Bottom						14:20		37304			134446	
B Top						14:30		37305			134445	
B Bottom						14:40		37304			134452	

EMT REQUIRES PRIOR NOTICE OF SAMPLES CONTAINING CYANIDE. EMT SAMPLE RETURN POLICY ON BACK.

Relinquished By:	Date: -- -- Time: :	Received By:	Date: -- -- Time: :	Witness:	<input checked="" type="checkbox"/> SAMPLE RECEIVED ON ICE <input type="checkbox"/> TEMPERATURE
Relinquished By: <i>[Signature]</i>	Date: <u>11-17-95</u> Time: <u>21:10</u>	Received For Lab By: <i>[Signature]</i>	Date: -- -- Time: :		

SPECIAL INSTRUCTIONS:



ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

TURNAROUND TIME:
 RUSH
 ___ day turnaround
 ROUTINE

Chain of Custody Record

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203

708-967-6666
FAX: 708/967-6735

Due Date: _____ COC #: 29009

Company: SARLID
 Address: 293 Wright Street
Dalwagan WI 53115
 Phone #: 414-725-7216 Fax #: 414-728-7213
 P.O. #: _____ Proj. #: _____
 Client Contact: Jon R...
 Project ID / Location: STORAGE BLDG

Sample Type: Container Type:
 1. Water P - Plastic
 2. Soil G - Glass
 3. Sludge V - VOC
 4. Oil B - Bag
 5. Tissue O - Other
 Other: _____
 Preservative:
 1. None 3. HNO3
 2. H2SO4 4. NaOH

Analyses	
DRO	Dry Weight

Sample I.D. (10 Characters ONLY)	Sample Type	Container			Sampling		Preservative	Lab I.D.	Comments	
		Size	Type	No.	Date	Time				
FT	Soil	202	G	1	11/27/95	9:00	None	X		
FB						9:05		X		
F DW						7:12			X	
H T						9:20			Y	
H B						9:25			Y	
H DW						9:30				X
ET						9:40			X	
EB						9:45			X	
E DW						9:50				X
BT						10:00			X	
BR						10:05			X	

EMT REQUIRES PRIOR NOTICE OF SAMPLES CONTAINING CYANIDE. EMT SAMPLE RETURN POLICY ON BACK.

Relinquished By: _____ Date: <u>11-27-95</u> Time: <u>2:35 PM</u>	Received By: _____ Date: <u>11-27-95</u> Time: <u>2:35 PM</u>	Witness: _____	<input checked="" type="checkbox"/> SAMPLE RECEIVED ON ICE <input type="checkbox"/> TEMPERATURE
Relinquished By: _____ Date: - - Time: :	Received For Lab By: _____ Date: - - Time: :		

SPECIAL INSTRUCTIONS: