STS CONSULTANTS, LTD.

Site Investigation Report

Former Langlade Oil Company, Inc. Property
604 Fourth Avenue
Antigo, Wisconsin

STS Project No. 4-26788XA

Wisconsin Department of Natural Resources
Antigo Service Center
223 Steinfest Road
Antigo, Wisconsin 54409-2777

Appendices

Appendix A - WDNR Soil Boring Log Information Forms
WDNR Well/Drillhole/Borehole Abandonment Form
WDNR Monitoring Well Installation Forms
WDNR Monitoring Well Development Forms

Appendix B - Field Data Summary
Hydraulic Conductivity Test Results

Appendix C - Calculations for SSRCLs

Appendix D - Groundwater Analytical Test Reports

Wisconsin Department of Natural Resources
STS Project No. 4-26788XA

Appendix A

WDNR Soil Boring Log Information Forms

WDNR Well/Drillhole/Borehole Abandonment Forms

WDNR Monitoring Well Installation Forms

WDNR Monitoring Well Development Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-1

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-1	Ft.	1,487.3 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E

Lat. ° ' "
Long. ° ' "

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48/12		1.5					<1						
			3.0											
2	48/12		4.5	Fill: Brown silty fine sand - trace gravel - trace to some wood chips - moist to wet	Fill			250						
			6.0											
			7.5											
				End of Boring. Boring advanced from 0.0 feet to 8.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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

Signature	Firm	
	STS Consultants Ltd. 1035 Kepler Drive, Green Bay, WI 54311	Tel: 920-468-1978 Fax: 920-468-3312

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-2

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-2	Ft.	1,487.5 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48/24		1.5					<1						
			3.0	Fill: Brown silty fine to medium sand - trace gravel - moist	Fill									
2	36/24		4.5					150						
			6.0											
2A	12/12		7.5	Fill: Dark brown silty fine sand - trace gravel and clay - some wood chips - wet	Fill			>1000						
				End of Boring. Boring advanced from 0.0 feet to 8.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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Signature

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-3

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-3	Ft.	1,486.7 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S / C / N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48/24		1.5	Fill: Dark brown silty fine to medium sand - trace gravel - some wood chips - moist - petroleum odor	Fill			>1000						
2	36/24		3.0 / 4.5 / 6.0					>1000						
2A	12/12		7.5	Fill: Gray silty fine sand - trace gravel and wood chips - wet - petroleum odor	Fill			>1000						
				End of Boring. Boring advanced from 0.0 feet to 8.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-4

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-4	Ft.	1,486.6 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48/24		1.5	Fill: Brown silty fine to medium sand - trace gravel, wood chips, and glass - moist	Fill			<1						
			3.0											
2	33/12		4.5	Fill: Dark brown silty fine to medium sand - trace gravel - some wood chips - moist - petroleum odor	Fill			>1000						
			6.0											
2A	16/14		7.5	Fill: Gray silty fine sand - trace gravel and wood chips - wet - petroleum odor	Fill			>1000						
				End of Boring. Boring advanced from 0.0 feet to 8.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-5

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-5	Ft.	1,488.2 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48		0					300						
			1.5											
			3.0											
2	48		4.5	Fill: Dark brown silty fine to medium sand - little gravel - trace to some wood chips and cinders - moist to wet at 7.0 feet	Fill			500						
			6.0											
			7.5											
				End of Boring. Boring advanced from 0.0 feet to 8.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-6

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-6	Ft.	1,487.0 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48/24		1.5	Fill: Brown silty fine sand - trace gravel and roots - moist	Fill			<1						
2	48/12		3.0 4.5	Fill: Dark brown silty fine sand - trace gravel and cinders - some wood chips - moist to wet - slight petroleum odor	Fill			500						
			6.0 7.5	End of Boring. Boring advanced from 0.0 feet to 8.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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

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SOIL BORING LOG INFORMATION

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-7

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-7	Ft.	1,490.5 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48/24		1.5					3						
			3.0											
2	48/30		4.5					2						
			6.0											
			7.5	Possible Fill: Brown silty fine to medium sand - little gravel - moist to wet at 8.0 feet	Fill									
3	48/9		9.0					50						
			10.5											
			12.0											
			13.5											
			15.0	End of Boring. Boring advanced from 0.0 feet to 15.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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

Signature

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-8

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-8	Ft.	1,487.6 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E

Lat. ° ' "
Long. ° ' "

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	12/12			Fill: Brown silty fine to medium sand - little gravel - moist	SM			7						
1A	36/24		1.5					475						
			3.0											
2	36/24		4.5	Fill: Dark brown silty fine to medium sand - trace gravel and cinders - trace to some wood chips - moist - petroleum odor	SM			>1000						
			6.0											
2A	12/6		7.5	Fill: Gray silty fine sand - trace gravel and wood chips - wet - petroleum odor	SM			700						
				End of Boring. Boring advanced from 0.0 feet to 8.0 feet iwth hydraulic push probe. Boring backfilled with granular bentonite.										

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-9

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-9	Ft.	1,486.5 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48/24		1.5	Fill: Brown silty fine sand - trace gravel - moist - petroleum odor	Fill			550						
			3.0											
2	36/12		4.5	Fill: Dark brown silty fine sand - trace gravel - some wood chips - moist	Fill			>1000						
			6.0											
2A	12		7.5	Fill: Gray silty fine sand - trace wood chips and gravel - wet - petroleum odor	Fill			>1000						
				End of Boring. Boring advanced from 0.0 feet to 8.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-10

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-10	Ft.	1,486.5 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E

Lat. ° ' "
Long. ° ' "

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48/24		1.5	Fill: Brown silty fine to medium sand - trace gravel - moist - petroleum odor	Fill			200						
			3.0											
2	48/24		4.5	Fill: Dark brown silty fine sand - trace gravel and cinders - some wood chips - moist to wet at 7.5 feet - petroleum odor	Fill			>1000						
			6.0											
			7.5	End of Boring. Boring advanced from 0.0 feet to 8.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-11

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-11	Ft.	1,488.3 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48/30		1.5	Fill: Dark brown silty fine to medium sand - trace gravel, brick, and cinders - moist	Fill			12						
2	48/18		3.0 4.5 6.0					120						
3	48/24		7.5 9.0 10.5	Fill: Dark brown silty fine sand - trace gravel - some wood chips - moist	Fill			>1000						
			12.0	End of Boring. Boring advanced from 0.0 feet to 12.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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

Signature [signature] Firm STS Consultants Ltd.
1035 Kepler Drive, Green Bay, WI 54311
Tel: 920-468-1978
Fax: 920-468-3312

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-12

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-12	Ft.	1,486.4 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48/24		1.5	Fill: Brown silty fine to medium sand - trace gravel and roots - moist - petroleum odor	Fill			>1000						
			3.0											
2	36/24		4.5	Fill: Dark brown silty fine sand - trace gravel and cinders - some wood chips - moist - petrolem odor	Fill			>1000						
			6.0											
2A	12/12		7.5	Fill Gray silty fine sand - trace gravel - wet - petroleum odor	Fill			>1000						
				End of Boring. Boring advanced from 0.0 feet to 8.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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

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	STS Consultants Ltd. 1035 Kepler Drive, Green Bay, WI 54311	Fax: 920-468-3312

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Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-13

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-13	Ft.	1,489.4 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐) State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable) ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48/24		0					3						
			1.5											
			3.0											
2	48/24		4.5					<1						
			6.0											
			7.5	Fill: Dark brown silty fine to medium sand - trace gravel, cinders, and wood chips - moist to wet	Fill									
3	48		9.0					60						
			10.5											
			12.0											
			13.5											
				End of Boring. Boring advanced from 0.0 feet to 14.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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

Signature [signature] Firm STS Consultants Ltd. 1035 Kepler Drive, Green Bay, WI 54311 Tel: 920-468-1978 Fax: 920-468-3312

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000381	B-14

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Enviroscan - J. Martin - STS Project No. 26788XF	9/26/2001	9/26/2001	Hydraulic push probe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-14	Ft.	1,491.0 Ft.	2.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E

Lat. ° ' "
Long. ° ' "

Local Grid Location (If applicable)
☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	48/24		1.5					2						
			3.0											
2	48/24		4.5					10						
			6.0	Fill: Dark brown silty fine to medium sand - trace gravel and cinders - trace to little wood chips - moist to wet at 8.0 feet	Fill									
			7.5											
3	48/24		9.0					>1000						
			10.5											
			12.0											
				End of Boring. Boring advanced from 0.0 feet to 12.0 feet with hydraulic push probe. Boring backfilled with granular bentonite.										

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

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000318	B-15

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants Ltd. - D. Zehnder - STS Project No. 26788XA	11/1/2002	11/1/2002	Hollow-stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
		B-15	Ft.	1,489.4 Ft.	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 / 12	5	1.5	Fill: Brown silty fine sand - trace fine gravel (SM) - moist - loose	Fill			<1						
2 SS	28 / 12	7	3.0	Fill: Brown silty fine to medium sand - trace gravel - trace to some wood chips (SM) - loose to very loose	Fill			<1						
3 SS	24 / 12	2	4.5					<1						
			6.0	End of Boring. Boring advanced from 0.0 feet to 6.0 feet with hollow-stem auger. Boring backfilled with 3/8-inch chipped bentonite.										

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

Signature	Firm	Tel: 920-468-1978
	STS Consultants Ltd. 1035 Kepler Drive, Green Bay, WI 54311	Fax: 920-468-3312

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Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000318	MW-1

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants Ltd. - D. Zehnder - STS Project No. 26788XA	11/1/2002	11/1/2002	Hollow-stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
JU396		MW-1	Ft.	1,488.3 Ft.	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1.5											
			3.0											
			4.5	Blind drilled, see Boring Log B-3 for soil classification										
			6.0											
			7.5											
			9.0											
1 SS	24/12	20	10.5											
2 SS	24/12	16	12.0	Brown fine to coarse sand - trace fine gravel and silt (SP) - wet - medium dense	SP									
			13.5											
				End of Boring. Boring advanced from 0.0 feet to 14.0 feet with hollow-stem auger. Installed 2-inch diameter PVC monitoring well at 13.5 feet.										

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

Signature

Firm STS Consultants Ltd.
1035 Kepler Drive, Green Bay, WI 54311
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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000318	MW-2

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants Ltd. - D. Zehnder - STS Project No. 26788XA	11/1/2002	11/1/2002	Hollow-stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
JU399		MW-2	Ft.	1,487.2 Ft.	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1.5	Blind drilled, see Boring Log B-6 for soil classification										
			3.0											
			4.5											
			6.0											
			7.5											
			9.0											
1 SS	24/18	22	10.5	Brown fine to medium sand - trace silt and gravel (SP) - wet - medium dense	SP									
2 SS	24	36	12.0	Brown fine to coarse sand - trace silt - some gravel - wet - dense	SP									
			13.5	End of Boring. Boring advanced from 0.0 feet to 14.0 feet with hollow-stem auger. Installed 2-inch PVC monitoring well at 13.0 feet.										

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

Signature

Firm STS Consultants Ltd.
1035 Kepler Drive, Green Bay, WI 54311
Tel: 920-468-1978
Fax: 920-468-3312

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000318	MW-3

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants Ltd. - D. Zehnder - STS Project No. 26788XA	11/1/2002	11/1/2002	Hollow-stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
JU398		MW-3	Ft.	1,486.5 Ft.	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1.5											
			3.0											
			4.5											
			6.0											
			7.5	Blind drilled - see Boring Log PZ-1 for soil classification										
			9.0											
			10.5											
			12.0											
			13.5											
				End of Boring. Boring advanced from 0.0 feet to 14.5 feet with hollow-stem auger. Installed 2-inch diameter PVC monitoring well at 14.0 feet.										

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

Signature	Firm	Tel: 920-468-1978
	STS Consultants Ltd. 1035 Kepler Drive, Green Bay, WI 54311	Fax: 920-468-3312

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000318	MW-4

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants Ltd. - D. Zehnder - STS Project No. 26788XA	11/1/2002	11/1/2002	Hollow-stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
JU391		MW-4	Ft.	1,488.4 Ft.	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E

Lat. ° ' "
Long. ° ' "

Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			2											
			4											
			6	Blind drilled - see Boring Log B-11 for soil classification										
			8											
			10											
1 SS	24/9	18	12	Brown fine to medium sand - trace silt and gravel - wet - medium dense	SP									
			14	Blind drilled										
				End of Boring. Boring advanced from 0.0 feet to 15.0 feet with hollow-stem auger. Installed 2-inch diameter PVC monitoring well at 14.5 feet.										

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

Signature [signature] Firm STS Consultants Ltd. 1035 Kepler Drive, Green Bay, WI 54311 Tel: 920-468-1978 Fax: 920-468-3312

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000318	MW-5

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants Ltd. - D. Zehnder - STS Project No. 26788XA	11/1/2002	11/1/2002	Hollow-stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
JU393		MW-5	Ft.	1,490.4 Ft.	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			2											
			4											
			6	Blind drilled, see Boring Log B-7 for soil classification										
			8											
			10											
1 SS	24 / 12	4	12											
2 SS	24	15	14	Brown silty fine to medium sand - trace to some gravel (SM) - wet - loose	SM									
			16	End of Boring. Boring advanced from 0.0 feet to 16.0 feet with hollow-stem auger. Installed 2-inch diameter PVC monitoring well at 15.5 feet.										

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

Signature

Firm STS Consultants Ltd.
1035 Kepler Drive, Green Bay, WI 54311
Tel: 920-468-1978
Fax: 920-468-3312

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SOIL BORING LOG INFORMATION

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000318	MW-6

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants Ltd. - D. Zehnder - STS Project No. 26788XA	11/1/2002	11/1/2002	Hollow-stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
JU394		MW-6	Ft.	1,488.1 Ft.	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			2, 4, 6, 8, 10	Blind drilled, see Boring Log B-5 for soil classification										
1 SS	24/14	25	10	Brown silty fine to medium sand - trace gravel (SM) - wet - medium dense to dense	SM									
2 SS	24/19	35	12, 14											
				Blind drilled										
				End of Boring. Boring advanced from 0.0 feet to 15.0 feet with hollow-stem auger. Installed 2-inch diameter PVC monitoring well at 14.5 feet.										

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

Signature	Firm	Tel: 920-468-1978
	STS Consultants Ltd. 1035 Kepler Drive, Green Bay, WI 54311	Fax: 920-468-3312

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000318	MW-7

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants Ltd. - D. Zehnder - STS Project No. 26788XA	11/1/2002	11/1/2002	Hollow-stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
JU392		MW-7	Ft.	1,490.4 Ft.	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			2, 4, 6, 8, 10	Blind drilled, see Boring Log B-13 for soil classification										
1 SS	24/14	14	12											
2 SS	24/6	45	14	Brown silty fine to coarse sand - some gravel - moist - medium dense to dense	SM									
			16	Blind drilled										
				End of Boring. Boring advanced from 0.0 feet to 16.5 feet with hollow-stem auger. Installed 2-inch diameter PVC monitoring well at 16.0 feet.										

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

Signature	Firm	Tel: 920-468-1978
	STS Consultants Ltd. 1035 Kepler Drive, Green Bay, WI 54311	Fax: 920-468-3312

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000318	MW-8

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants Ltd. - D. Zehnder - STS Project No. 26788XA	11/1/2002	11/1/2002	Hollow-stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
JU395		MW-8	Ft.	1,489.3 Ft.	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ E
Feet ☐ S ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 / 18	3	2	Crushed stone Fill: Brown silty fine sand - trace gravel - moist - loose	Fill			<1						
2 SS	24 / 6	15	4					<1						
3 SS	24 / 1	3	6	Fill: Dark brown silty fine to medium sand - trace gravel, cinders, and wood chips - moist - loose	Fill			<1						
4 SS	24 / 12	3	8					<1						
5 SS	24 / 24	18	10					<1						
			12	Brown silty fine to medium sand - trace gravel - wet - medium dense	Fill									
			14	Blind drilled End of Boring. Boring advanced from 0.0 fet to 15.0 feet with hollow-stem auger. Installed 2-inch diameter PVC monitoring well at 14.5 feet.									

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

Signature	Firm	Tel: 920-468-1978
	STS Consultants Ltd. 1035 Kepler Drive, Green Bay, WI 54311	Fax: 920-468-3312

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Langlade Oil Company, Inc.	03-34-000318	PZ-1

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants Ltd. - D. Zehnder - STS Project No. 26788XA	11/1/2002	11/1/2002	Hollow-stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Elevation	Surface Elevation	Borehole Diameter
JU397		PZ-1	Ft.	1,486.4 Ft.	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 29, T 31 N, R 11 E
Lat. ° ' "
Long. ° ' "
Local Grid Location (If applicable)
Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Langlade	34	Antigo

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			3	Blind drilled - see Boring Log B-10 for soil classification										
			6											
			9											
1 SS	24/12	27	12											
2 SS	24/6	23	15	Brown silty fine to medium sand - trace gravel - wet - medium dense	SM									
			18											
3 SS	24/6	20	21											
			24											
4 SS	24/6	17	27	Brown fine sand - trace silt and gravel - wet - medium dense	SM									
5 SS	24/12	20	30											
				Blind drilled										
				End of Boring. Boring advanced from 0.0 feet to 31.0 feet with hollow-stem auger. Installed 2-inch diameter PVC piezometer at 30.0 feet.										

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

Signature

Firm STS Consultants Ltd.
1035 Kepler Drive, Green Bay, WI 54311
Tel: 920-468-1978
Fax: 920-468-3312

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable)

_____ Gov't Lot _____ Grid Number

Grid Location

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-1

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) 8.0 (From groundsurface)

Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	8.0	1/8 bag	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Puetz

Date Signed: 5/28/2002

Street or Route: 1035 Kepler Drive

Telephone Number: 920-468-1978

City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-2

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) 8.0

Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 7.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	8.0	1/8 bag	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Puetz

Date Signed: 5/28/2002

Street or Route: 1035 Kepler Drive

Telephone Number: 920-468-1978

City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location
County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-3

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) 8.0 (From groundsurface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 7.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	8.0	1/8 bag	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Ruetz
Date Signed: 5/28/2002

Street or Route: 1035 Kepler Drive
Telephone Number: 920-468-1978

City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location
County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable)
_____ Gov't Lot _____ Grid Number

Grid Location
_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-4

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On
(Date) 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available?
☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) 8.0
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 6.8

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	8.0	1/8 bag	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Ruetz
Date Signed: 5/28/2002

Street or Route: 1035 Kepler Drive
Telephone Number: 920-468-1978

City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable) Gov't Lot ____ Grid Number ____

Grid Location ____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-5

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) 8.0 (From groundsurface)
Casing Diameter (in.) ____
Casing Depth (ft.) ____

Lower Drillhole Diameter (in.) ____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet) 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	8.0	1/8 bag	

(8) Comments ____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Puetz
Date Signed: 5/28/2002
Street or Route: 1035 Kepler Drive
Telephone Number: 920-468-1978
City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable)
_____ Gov't Lot _____ Grid Number

Grid Location
_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-6

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On
(Date) 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) 8.0
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	8.0	1/8 bag	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Puetz
Date Signed: 5/28/2002

Street or Route: 1035 Kepler Drive
Telephone Number: 920-468-1978

City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location
County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable)
_____ Gov't Lot _____ Grid Number

Grid Location
_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-7

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date): 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface): 8.0
Casing Diameter (in.): _____
Casing Depth (ft.): _____

Lower Drillhole Diameter (in.): _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet): 15.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	15.0	1/8 bag	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Ruetz
Date Signed: 5/28/2002

Street or Route: 1038 Kepler Drive
Telephone Number: 920-468-1978

City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location
County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable)
_____ Gov't Lot _____ Grid Number

Grid Location
_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-8

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On
(Date) 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available?
☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) 8.0
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 7.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	8.0	1/8 bag	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Puetz
Date Signed: 5/28/2002

Street or Route: 1035 Kepler Drive
Telephone Number: 920-468-1978

City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable)

_____ Gov't Lot _____ Grid Number

Grid Location

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-9

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date): 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface): 8.0

Casing Diameter (in.): _____

Casing Depth (ft.): _____

Lower Drillhole Diameter (in.): _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet): 7.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain: NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	8.0	1/8 bag	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Puest

Date Signed: 5/28/2002

Street or Route: 1033 Kepler Drive

Telephone Number: 920-468-1978

City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location
County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable)
_____ Gov't Lot _____ Grid Number

Grid Location
_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-10

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) 8.0 (From groundsurface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 7.5

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	8.0	1/8 bag	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Puetz
Date Signed: 5/28/2002
Street or Route: 1033 Kepler Drive
Telephone Number: 920-468-1978
City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable)

_____ Gov't Lot _____ Grid Number

Grid Location

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-11

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) (From groundsurface) 8.0

Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	12.0	1/8 bag	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Puetz

Date Signed: 5/28/2002

Street or Route: 1035 Kepler Drive

Telephone Number: 920-468-1978

City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable) Gov't Lot _____ Grid Number _____

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-12

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) 8.0 (From groundsurface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 7.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	8.0	1/8 bag	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Puetz
Date Signed: 5/28/2002
Street or Route: 1035 Kepler Drive
Telephone Number: 920-468-1978
City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location
County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable)
_____ Gov't Lot _____ Grid Number

Grid Location
_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-13

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On
(Date) 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) 8.0 (From groundsurface)
Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 14.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	14.0	1/8 bag	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Puetz
Date Signed: 5/28/2002

Street or Route: 1035 Kepler Drive
Telephone Number: 920-468-1978

City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 4-97

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

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Langlade

SW 1/4 of SW 1/4 of Sec. 29 ; T. 31 N; R. 11 ☒ E ☐ W

(If Applicable)

_____ Gov't Lot _____ Grid Number

Grid Location

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Antigo

Street Address of Well: 604 4th Avenue

City, Village: Antigo

(2) FACILITY NAME Former Langlade Oil

Original Well Owner (If Known): WI Dept of Natural Resources

Present Well Owner: WI Dept of Natural Resources

Street or Route: 223 E. Steinfest Road

City, State, Zip Code: Antigo, Wisconsin 54409

Facility Well No. and/or Name (If Applicable): B-14

WI Unique Well No.:

Reason For Abandonment: boring only

Date of Abandonment: 09/26/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09/26/2001

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) hydraulic push probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft) 8.0 (From groundsurface)

Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 8.0

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain NA

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe - Gravity ☐ Conductor Pipe - Pumped
☐ Dump Bailer ☒ Other (Explain) gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite-Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
granular bentonite	Surface	12.0	1/8 bag	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work: STS Consultants Ltd.

Signature of Person Doing Work: Jerry C Puetz

Date Signed: 5/28/2002

Street or Route: 1035 Kepler Drive

Telephone Number: 920-468-1978

City, State, Zip Code: Green Bay, Wisconsin 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

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

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

Facility/Project Name: Former Langlade Oil Company, Inc.	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-1
Facility License, Permit or Monitoring No.: 03-34-000318	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: JU396 / DNR Well Number:
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 11/01/2001
Type of Well: Well Code /Groundwater Monitoring Well	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 29, T. 31 N, R. 11 ☒E ☐W	Well Installed By: (Person's Name and Firm): Dennis Zehnder, STS Consultants, Ltd.
Distance Well Is From Waste/Source Boundary: ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation 1490.77 ft. MSL

B. Well casing, top elevation 1490.80 ft. MSL

C. Land surface elevation 1488.3 ft. MSL

D. Surface seal, bottom 1488.3 ft. MSL or 0.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0; Hollow Stem Auger ☒ 4 1; ____ Other ☐

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

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis): ____

E. Bentonite seal, top 1488.3 ft. MSL or 0.0 ft.

F. Fine sand, top 1485.1 ft. MSL or 3.2 ft.

G. Filter pack, top 1484.8 ft. MSL or 3.5 ft.

H. Screen joint, top 1484.8 ft. MSL or 3.5 ft.

I. Well bottom 1474.8 ft. MSL or 13.5 ft.

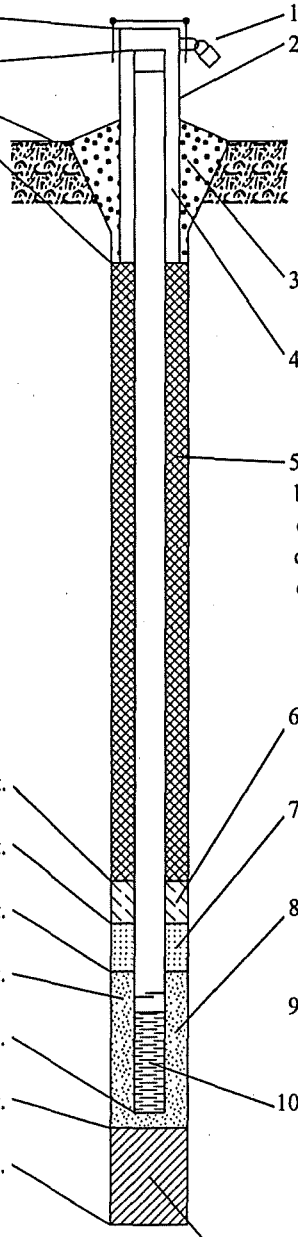
J. Filter pack, bottom 1474.3 ft. MSL or 14.0 ft.

K. Borehole, bottom 1474.3 ft. MSL or 14.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4; ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 3 0; Concrete ☐ 0 1; ____ Other ☐

4. Material between well casing and protective pipe: Bentonite ☒ 3 0; ____ Other ☐

5. Annular space seal: a. Granular Bentonite ☐ 3 3
b. ____ Lbs/gal mud weight . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1; Tremie pumped ☐ 0 2; Gravity ☒ 0 8

6. Bentonite seal: a. Bentonite granules ☒ 3 3
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 3 2
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name and mesh size
a. Badger No. 30
b. Volume added ____ ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. Badger No. 30
b. Volume added ____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3; Flush threaded PVC schedule 80 ☐ 2 4; ____ Other ☐

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1; Continuous slot ☐ 0 1; PVC Other ☒
b. Manufacturer USF/Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ☐ 1 4; Badger No. 30 Other ☒

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

Signature ____ Firm STS Consultants Ltd. 1035 Kepler Drive, Green Bay, Wisconsin Tel: 920-468-1978 Fax: 920-468-3312

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be

State of Wisconsin
Department of Natural Resources Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

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

Facility/Project Name: Former Langlade Oil Company, Inc.	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-2
Facility License, Permit or Monitoring No.: 03-34-000318	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: JU399 / DNR Well Number:
Facility ID:	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 11/02/2001
Type of Well: Well Code /Groundwater Monitoring Well	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 29, T. 31 N, R. 11 ☒E ☐W	Well Installed By: (Person's Name and Firm): Dennis Zehnder
Distance Well Is From Waste/Source Boundary: ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	STS Consultants, Ltd.

A. Protective pipe, top elevation 1486.76 ft. MSL
B. Well casing, top elevation 1487.16 ft. MSL
C. Land surface elevation 1487.2 ft. MSL
D. Surface seal, bottom 1486.2 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

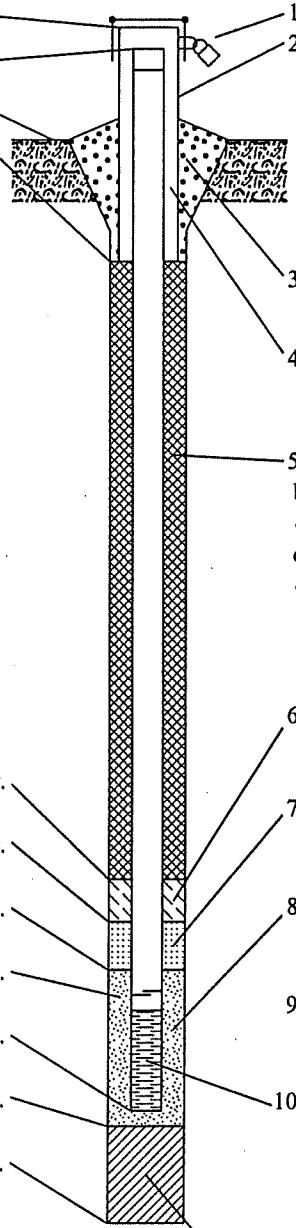
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / ____ Other ☐

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

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis): ____

E. Bentonite seal, top 1486.2 ft. MSL or 1.0 ft.
F. Fine sand, top 1484.7 ft. MSL or 2.5 ft.
G. Filter pack, top 1484.7 ft. MSL or 2.5 ft.
H. Screen joint, top 1484.2 ft. MSL or 3.0 ft.
I. Well bottom 1474.2 ft. MSL or 13.0 ft.
J. Filter pack, bottom 1473.2 ft. MSL or 14.0 ft.
K. Borehole, bottom 1473.2 ft. MSL or 14.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 4 / ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 / Concrete ☐ 0 1 / ____ Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 / ____ Other ☐
5. Annular space seal: a. Granular Bentonite ☐ 3 3
b. ____ Lbs/gal mud weight . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☒ 3 3
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
a. Badger No. 30
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Badger No. 30
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / ____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / PVC Other ☒
b. Manufacturer USF/Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 / Badger No. 30 Other ☒

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

Signature: [signature] Firm: STS Consultants Ltd. 1035 Kepler Drive, Green Bay, Wisconsin Tel: 920-468-1978 Fax: 920-468-3312

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

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

Facility/Project Name: Former Langlade Oil Company, Inc.	Local Grid Location of Well: ____ft. ☐N. ☐S. ____ft. ☐E. ☐W.	Well Name: MW-3
Facility License, Permit or Monitoring No.: 03-34-000318	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: JU398 / DNR Well Number:
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 11/02/2001
Type of Well: Well Code /Groundwater Monitoring Well	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 29, T. 31 N, R. 11 ☒E ☐W	Well Installed By: (Person's Name and Firm): Dennis Zehnder
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	STS Consultants, Ltd.

A. Protective pipe, top elevation 1488.92 ft. MSL
B. Well casing, top elevation 1488.99 ft. MSL
C. Land surface elevation 1486.5 ft. MSL
D. Surface seal, bottom 1486.5 ft. MSL or 0.0 ft.

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

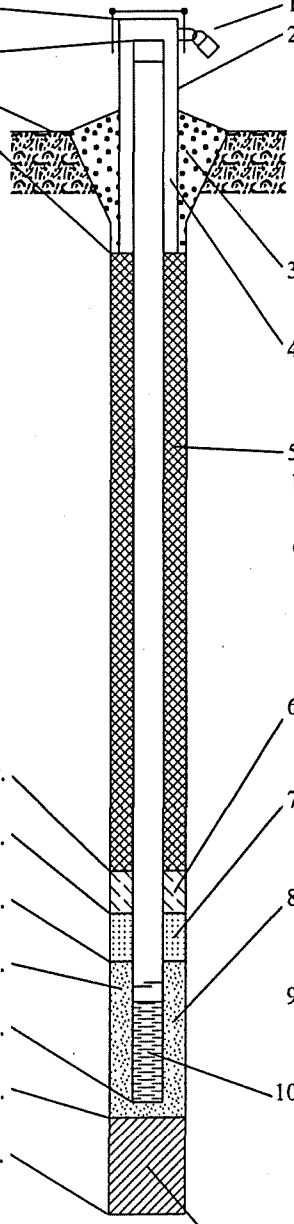
13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / ____ Other ☐

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

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis): ____



E. Bentonite seal, top 1486.5 ft. MSL or 0.0 ft.
F. Fine sand, top 1483.0 ft. MSL or 3.5 ft.
G. Filter pack, top 1483.0 ft. MSL or 3.5 ft.
H. Screen joint, top 1482.5 ft. MSL or 4.0 ft.
I. Well bottom 1472.5 ft. MSL or 14.0 ft.
J. Filter pack, bottom 1472.0 ft. MSL or 14.5 ft.
K. Borehole, bottom 1472.0 ft. MSL or 14.5 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 0 4 / ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 / Concrete ☐ 0 1 / ____ Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 / ____ Other ☐
5. Annular space seal: a. Granular Bentonite ☒ 3 3
b. ____Lbs/gal mud weight . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____Ft³ volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☒ 3 3
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
a. Badger No. 30
b. Volume added ____ ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. Badger No. 30
b. Volume added ____ ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / ____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / PVC Other ☒
b. Manufacturer USF/Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 / Badger No. 30 Other ☒

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

Signature	Firm	
	STS Consultants Ltd. 1035 Kepler Drive, Green Bay, Wisconsin	Tel: 920-468-1978 Fax: 920-468-3312

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

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

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

Facility/Project Name: Former Langlade Oil Company, Inc.	Local Grid Location of Well: ____ft. ☐N. ☐S. ____ft. ☐E. ☐W.	Well Name: MW-4
Facility License, Permit or Monitoring No.: 03-34-000318	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: JU391 DNR Well Number:
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 11/01/2001
Type of Well: Well Code /Groundwater Monitoring Well	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 29, T. 31 N, R. 11 ☒E ☐W	Well Installed By: (Person's Name and Firm): Dennis Zehnder
Distance Well Is From Waste/Source Boundary: ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	STS Consultants, Ltd.

A. Protective pipe, top elevation 1487.84 ft. MSL
B. Well casing, top elevation 1488.44 ft. MSL
C. Land surface elevation 1488.4 ft. MSL
D. Surface seal, bottom 1487.4 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

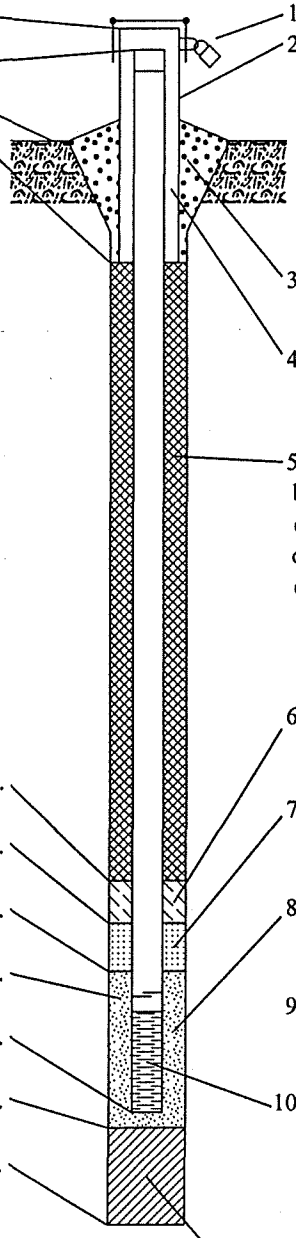
14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐ ____

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

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis):
____

E. Bentonite seal, top 1487.4 ft. MSL or 1.0 ft.
F. Fine sand, top 1484.4 ft. MSL or 4.0 ft.
G. Filter pack, top 1484.4 ft. MSL or 4.0 ft.
H. Screen joint, top 1483.9 ft. MSL or 4.5 ft.
I. Well bottom 1473.9 ft. MSL or 14.5 ft.
J. Filter pack, bottom 1473.4 ft. MSL or 15.0 ft.
K. Borehole, bottom 1473.4 ft. MSL or 15.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 4
____ Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐ ____
4. Material between well casing and protective pipe:
Bentonite ☐ 3 0
sand Other ☒ ____
5. Annular space seal: a. Granular Bentonite ☐ 3 3
b. ____Lbs/gal mud weight . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☒ 3 3
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 3 2
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name and mesh siz
a. 35/45 Badger
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh si
a. 35/45 Badger
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐ ____
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
PVC Other ☒ ____
b. Manufacturer USF/Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4
35/45 Badger Other ☒ ____

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

Signature ____ Firm STS Consultants Ltd. 1035 Kepler Drive, Green Bay, Wisconsin Tel: 920-468-1978 Fax: 920-468-3312

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

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

Facility/Project Name: Former Langlade Oil Company, Inc.	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-5
Facility License, Permit or Monitoring No.: 03-34-000318	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No: JU393 / DNR Well Number:
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 11/01/2001
Type of Well: Well Code /Groundwater Monitoring Well	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 29, T. 31 N, R. 11 ☒E ☐W	Well Installed By: (Person's Name and Firm): Dennis Zehnder
Distance Well Is From Waste/Source Boundary: ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	STS Consultants, Ltd.

A. Protective pipe, top elevation 1489.94 ft. MSL
B. Well casing, top elevation 1490.44 ft. MSL
C. Land surface elevation 1490.4 ft. MSL
D. Surface seal, bottom 1489.4 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

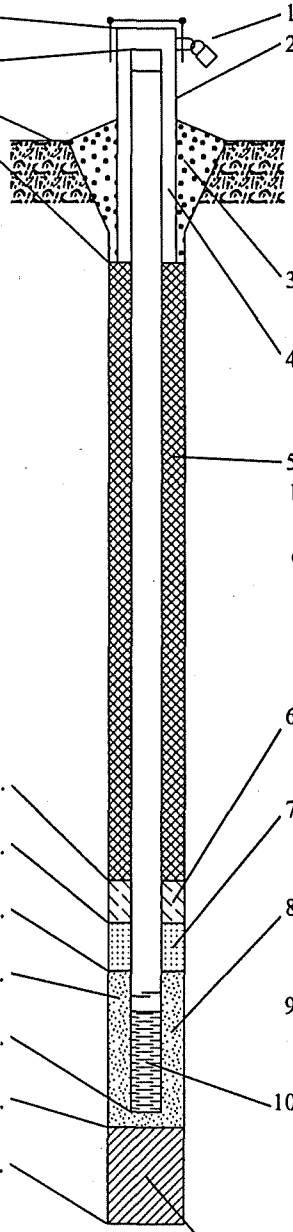
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / Other ☐ ____

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

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis): ____

E. Bentonite seal, top 1489.4 ft. MSL or 1.0 ft.
F. Fine sand, top 1485.9 ft. MSL or 4.5 ft.
G. Filter pack, top 1485.4 ft. MSL or 5.0 ft.
H. Screen joint, top 1484.9 ft. MSL or 5.5 ft.
I. Well bottom 1474.9 ft. MSL or 15.5 ft.
J. Filter pack, bottom 1474.4 ft. MSL or 16.0 ft.
K. Borehole, bottom 1474.4 ft. MSL or 16.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 4 / Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 / Concrete ☐ 0 1 / Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 3 0 / sand 35/45 / Other ☒ ____
5. Annular space seal: a. Granular Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☒ 3 3
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 3 2
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name and mesh size
a. 35/45 Badger
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Badger No. 30
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / Other ☐ ____
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / PVC / Other ☒ ____
b. Manufacturer USF/Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 / Badger No. 30 / Other ☒ ____

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

Signature: [signature] Firm: STS Consultants Ltd., 1035 Kepler Drive, Green Bay, Wisconsin Tel: 920-468-1978 Fax: 920-468-3312

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

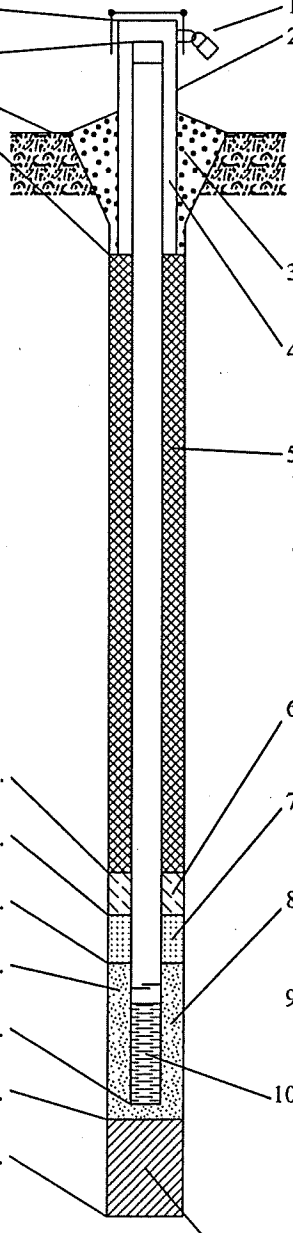
State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 6-97

Facility/Project Name: Former Langlade Oil Company, Inc.	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-6
Facility License, Permit or Monitoring No.: 03-34-000318	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: JU394 / DNR Well Number:
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 11/01/2001
Type of Well: Well Code /Groundwater Monitoring Well	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 29, T. 31 N, R. 11 ☒E ☐W	Well Installed By: (Person's Name and Firm): Dennis Zehnder
Distance Well Is From Waste/Source Boundary: ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	STS Consultants, Ltd.



A. Protective pipe, top elevation: 1487.60 ft. MSL
B. Well casing, top elevation: 1488.10 ft. MSL
C. Land surface elevation: 1488.1 ft. MSL
D. Surface seal, bottom: 1487.1 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0; Hollow Stem Auger ☒ 4 1; ____ Other ☐

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

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis): ____

E. Bentonite seal, top: 1487.1 ft. MSL or 1.0 ft.
F. Fine sand, top: 1484.1 ft. MSL or 4.0 ft.
G. Filter pack, top: 1484.1 ft. MSL or 4.0 ft.
H. Screen joint, top: 1483.6 ft. MSL or 4.5 ft.
I. Well bottom: 1473.6 ft. MSL or 14.5 ft.
J. Filter pack, bottom: 1473.1 ft. MSL or 15.0 ft.
K. Borehole, bottom: 1473.1 ft. MSL or 15.0 ft.
L. Borehole, diameter: 8.0 in.
M. O.D. well casing: 2.38 in.
N. I.D. well casing: 2.00 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 4; ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0; Concrete ☐ 0 1; ____ Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 3 0; sand Other ☒
5. Annular space seal: a. Granular Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1; Tremie pumped ☐ 0 2; Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☒ 3 3
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
a. Badger No. 30
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Badger No. 30
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3; Flush threaded PVC schedule 80 ☐ 2 4; ____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1; Continuous slot ☐ 0 1; PVC Other ☒
b. Manufacturer: USF/Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4; Badger No. 30 Other ☒

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

Signature: ____ Firm: STS Consultants Ltd., 1035 Kepler Drive, Green Bay, Wisconsin Tel: 920-468-1978 Fax: 920-468-3312

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State of Wisconsin
Department of Natural Resources Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

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

Facility/Project Name: Former Langlade Oil Company, Inc.	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-7
Facility License, Permit or Monitoring No.: 03-34-000318	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: JU392 / DNR Well Number:
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 11/01/2001
Type of Well: Well Code /Groundwater Monitoring Well	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 29, T. 31 N, R. 11 ☒E ☐W	Well Installed By: (Person's Name and Firm): Dennis Zehnder, STS Consultants, Ltd.
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation 1489.81 ft. MSL
B. Well casing, top elevation 1490.42 ft. MSL
C. Land surface elevation 1490.4 ft. MSL
D. Surface seal, bottom 1489.4 ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

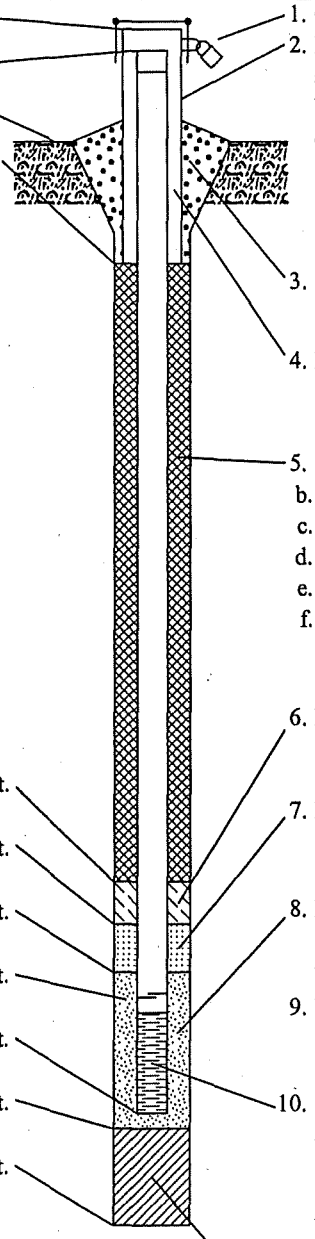
14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
____ Other ☐ __

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

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis): ____

E. Bentonite seal, top 1489.4 ft. MSL or 1.0 ft.
F. Fine sand, top 1485.4 ft. MSL or 5.0 ft.
G. Filter pack, top 1484.4 ft. MSL or 6.0 ft.
H. Screen joint, top 1484.4 ft. MSL or 6.0 ft.
I. Well bottom 1474.4 ft. MSL or 16.0 ft.
J. Filter pack, bottom 1473.9 ft. MSL or 16.5 ft.
K. Borehole, bottom 1473.9 ft. MSL or 16.5 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 4 / ____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 / Concrete ☐ 0 1 / ____ Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☐ 3 0 / sand Other ☒ __
5. Annular space seal: a. Granular Bentonite ☒ 3 3
b. ____Lbs/gal mud weight . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☒ 3 3
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 3 2
c. ____ Other ☐ __
7. Fine sand material: Manufacturer, product name and mesh size
a. 35/45 Badger
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Badger No. 30
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / ____ Other ☐ __
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / PVC Other ☒ __
b. Manufacturer USF/Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 / Badger No. 30 Other ☒ __

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

Signature ____ Firm STS Consultants Ltd., 1035 Kepler Drive, Green Bay, Wisconsin Tel: 920-468-1978 Fax: 920-468-3312

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State of Wisconsin
Department of Natural Resources Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

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

Facility/Project Name: Former Langlade Oil Company, Inc.	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-8
Facility License, Permit or Monitoring No.: 03-34-000318	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: JU395 / DNR Well Number:
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 11/01/2001
Type of Well: Well Code /Groundwater Monitoring Well	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 29, T. 31 N, R. 11 ☒E ☐W	Well Installed By: (Person's Name and Firm) Dennis Zehnder; STS Consultants, Ltd.
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation 1488.77 ft. MSL
B. Well casing, top elevation 1489.35 ft. MSL
C. Land surface elevation 1489.3 ft. MSL
D. Surface seal, bottom 1488.3 ft. MSL or 1.0 ft.

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

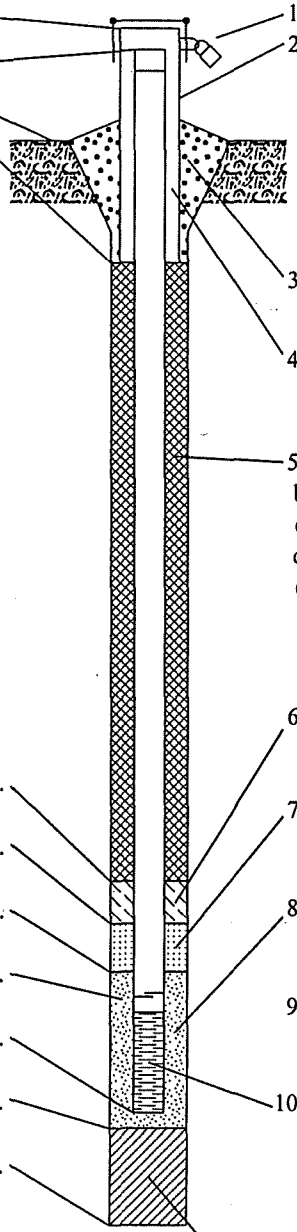
13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / ____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis): ____



E. Bentonite seal, top 1488.3 ft. MSL or 1.0 ft.
F. Fine sand, top 1486.3 ft. MSL or 3.0 ft.
G. Filter pack, top 1486.3 ft. MSL or 3.0 ft.
H. Screen joint, top 1485.3 ft. MSL or 4.0 ft.
I. Well bottom 1475.3 ft. MSL or 14.0 ft.
J. Filter pack, bottom 1474.3 ft. MSL or 15.0 ft.
K. Borehole, bottom 1474.3 ft. MSL or 15.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / ____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / ____ Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 30 / Badger Other ☒
5. Annular space seal: a. Granular Bentonite ☒ 33
b. ____ Lbs/gal mud weight . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
a. 35/45 Badger
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Badger No. 30
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / ____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11 / Continuous slot ☐ 01 / PVC Other ☒
b. Manufacturer USF/Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 14 / Badger No. 30 Other ☒

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

Signature ____ Firm STS Consultants Ltd., 1035 Kepler Drive, Green Bay, Wisconsin Tel: 920-468-1978 Fax: 920-468-3312

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State of Wisconsin
Department of Natural Resources Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

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

Facility/Project Name: Former Langlade Oil Company, Inc.	Local Grid Location of Well: ____ft. ☐N. ☐S. ____ft. ☐E. ☐W.	Well Name: PZ-1
Facility License, Permit or Monitoring No.: 03-34-000318	Grid Origin Location (Check if estimated: ☐) Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: JU397 / DNR Well Number:
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 11/01/2001
Type of Well: Well Code 12/pz	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 29, T. 31 N, R. 11 ☒E ☐W	Well Installed By: (Person's Name and Firm): Dennis Zehnder
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	STS Consultants, Ltd.

A. Protective pipe, top elevation 1489.07 ft. MSL
B. Well casing, top elevation 1489.14 ft. MSL
C. Land surface elevation 1486.4 ft. MSL
D. Surface seal, bottom 1483.4 ft. MSL or 3.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

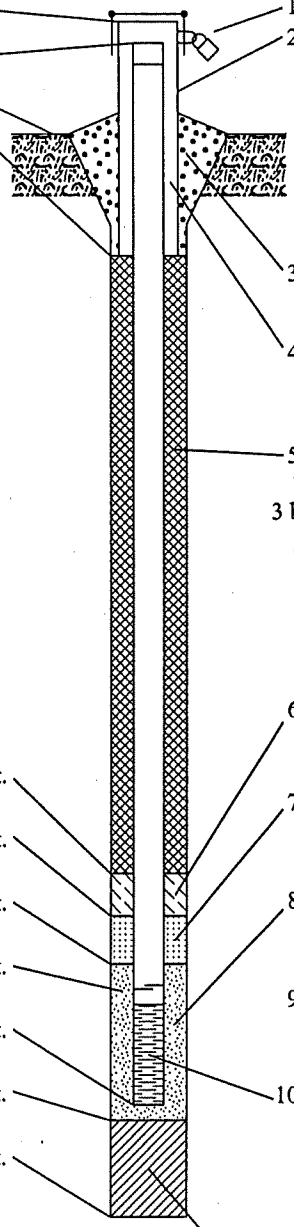
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 ____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis): ____

E. Bentonite seal, top 1486.4 ft. MSL or 0.0 ft.
F. Fine sand, top 1462.4 ft. MSL or 24.0 ft.
G. Filter pack, top 1460.4 ft. MSL or 26.0 ft.
H. Screen joint, top 1458.4 ft. MSL or 28.0 ft.
I. Well bottom 1456.4 ft. MSL or 30.0 ft.
J. Filter pack, bottom 1455.4 ft. MSL or 31.0 ft.
K. Borehole, bottom 1455.4 ft. MSL or 31.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 04 Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 ____ Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 30 Granular bentonite Other ☒
5. Annular space seal: a. Granular Bentonite ☐ 33
b. ____Lbs/gal mud weight . Bentonite-sand slurry ☐ 35
3 bags 11t/42 gal/c. Lbs/gal mud weight . . . Bentonite slurry ☒ 31
d. 30% % Bentonite . . . Bentonite-cement grout ☒ 50
e. 6.75 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☒ 02 Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
a. 35/45 Badger
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Badger No. 30
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 ____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11 Continuous slot ☐ 01 PVC Other ☒
b. Manufacturer USF/Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 14 Badger No. 30 Other ☒

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

Signature ____ Firm STS Consultants Ltd. 1035 Kepler Drive, Green Bay, Wisconsin Tel: 920-468-1978 Fax: 920-468-3312

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

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

Facility/Project Name	County	Well Name
Former Langlade Oil Company, Inc.	Langlade	MW-1

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
03-34-000318	34	JU396	

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: 100 min.

4. Depth of well (from top of well casing): 13.5 ft.

5. Inside diameter of well: 2.00 in.

6. Volume of water in filter pack and well casing: 4.5 gal.

7. Volume of water removed from well: 100.0 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.	8.45 ft.	8.39 ft.
Date b.	11/02/2002	11/02/2002
Time c.	08:30 am	10:05 am
12. Sediment in well bottom	3.0 inches	inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☒ 20 Turbid ☐ 25
(Describe)	Brown, very high tubidity; a lot of silty sediment in well	
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. Well developed by: Person's Name and Firm
Jerry C. Puetz
STS Consultants, Ltd.

17. Additional comments on development:
Surged and purged using whaler pump.

Facility Address or Owner/Responsible Party Address

Name: Jerry C. Puetz

Firm: STS Consultants, Ltd.

Street: 1035 Kepler Drive

City/State/Zip: Green Bay, WI 54311

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

Signature: [signature]

Print Name: Michael Carney

Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

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

Facility/Project Name	County	Well Name
Former Langlade Oil Company, Inc.	Langlade	MW-2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
03-34-000318	34	JU399	

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) 13.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 7.4 gal.

7. Volume of water removed from well 50.0 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.	4.80 ft.	4.80 ft.
Date b.	11/02/2002	11/02/2002
Time c.	12:15 pm	01:15 pm
12. Sediment in well bottom	2.5 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown, very high tubidity; a lot of silty sediment in well	Clear ☒ 20 Turbid ☐ 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. Well developed by: Person's Name and Firm
Jerry C. Puetz
STS Consultants, Ltd.

17. Additional comments on development:
Surged and purged using whaler pump.

Facility Address or Owner/Responsible Party Address

Name: Jerry C. Puetz

Firm: STS Consultants, Ltd.

Street: 1035 Kepler Drive

City/State/Zip: Green Bay, WI 54311

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

Signature: [signature]

Print Name: MICHAEL CANNEY

Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

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

Facility/Project Name	County	Well Name
Former Langlade Oil Company, Inc.	Langlade	MW-3

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
03-34-000318	34	JU398	

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): 14.0 ft.

5. Inside diameter of well: 2.00 in.

6. Volume of water in filter pack and well casing: 6.5 gal.

7. Volume of water removed from well: 35.0 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.	6.81 ft.	6.82 ft.
Date	b.	11/02/2002	11/02/2002
Time	c.	01:00 pm	02:00 pm
12. Sediment in well bottom		1.0 inches	0.0 inches
13. Water clarity		Clear ☐ 10 Turbid ☒ 15 (Describe) Brown, highly turbid	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids		mg/l	mg/l
15. COD		mg/l	mg/l

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

16. Well developed by: Person's Name and Firm
Jerry C. Puetz
STS Consultants, Ltd.

17. Additional comments on development:
Surged and purged using whaler pump.

Facility Address or Owner/Responsible Party Address

Name: Jerry C. Puetz

Firm: STS Consultants, Ltd.

Street: 1035 Kepler Drive

City/State/Zip: Green Bay, WI 54311

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

Signature: [signature]

Print Name: MICHAEL CARNEY

Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

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

Facility/Project Name	County	Well Name
Former Langlade Oil Company, Inc.	Langlade	MW-4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
03-34-000318	34	JU391	

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 _____	☒	[redacted]

3. Time spent developing well 120 min.

4. Depth of well (from top of well casing) 14.5 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 7.7 gal.

7. Volume of water removed from well 100.0 gal.

8. Volume of water added (if any) 1.0 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.	5.99 ft.	5.97 ft.
Date b.	11/01/2002	11/01/2002
Time c.	10:10 am	12:10 pm
12. Sediment in well bottom	2.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown, very high tubidity	Clear ☒ 20 Turbid ☐ 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. Well developed by: Person's Name and Firm
Jerry C. Puetz
STS Consultants, Ltd.

17. Additional comments on development:
Surged and purged using whaler pump.

Facility Address or Owner/Responsible Party Address

Name: Jerry C. Puetz

Firm: STS Consultants, Ltd.

Street: 1035 Kepler Drive

City/State/Zip: Green Bay, WI 54311

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

Signature: [signature]

Print Name: MICHAEL CARNEY

Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

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

Facility/Project Name	County	Well Name
Former Langlade Oil Company, Inc.	Langlade	MW-5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
03-34-000318	34	JU393	

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 120 min.

4. Depth of well (from top of well casing) 15.5 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 6.6 gal.

7. Volume of water removed from well 60.0 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.	8.12 ft.	8.12 ft.
Date	b.	11/01/2002	11/01/2002
Time	c.	02:30 pm	11:45 am
12. Sediment in well bottom		3.0 inches	inches
13. Water clarity		Clear ☐ 10 Turbid ☒ 15	Clear ☒ 20 Turbid ☐ 25
(Describe)		Grayish brown, very high tubidity; a lot of silty sediment in well	

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. Well developed by: Person's Name and Firm
Jerry C. Puetz
STS Consultants, Ltd.

17. Additional comments on development:
Surged and purged using whaler pump.

Facility Address or Owner/Responsible Party Address

Name: Jerry C. Puetz

Firm: STS Consultants, Ltd.

Street: 1035 Kepler Drive

City/State/Zip: Green Bay, WI 54311

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

Signature: _____

Print Name: MICHAEL CARNEY

Firm: STS Consultants, Ltd.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

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

Facility/Project Name	County	Well Name
Former Langlade Oil Company, Inc.	Langlade	MW-6

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
03-34-000318	34	JU394	

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 _____	☒	[redacted]

3. Time spent developing well: 95 min.

4. Depth of well (from top of well casing): 14.5 ft.

5. Inside diameter of well: 2.00 in.

6. Volume of water in filter pack and well casing: 8.0 gal.

7. Volume of water removed from well: 100.0 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.	5.53 ft.	5.55 ft.
Date	b.	11/02/2002	11/02/2002
Time	c.	10:10 am	11:45 am
12. Sediment in well bottom		2.0 inches	0.0 inches

13. Water clarity

Before Development	After Development
Clear ☐ 10	Clear ☒ 20
Turbid ☒ 15	Turbid ☐ 25
(Describe)	(Describe)
Dark brown, very high tubidity; a lot of silty sediment in well	

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. Well developed by: Person's Name and Firm
Jerry C. Puetz
STS Consultants, Ltd.

17. Additional comments on development:
Surged and purged using whaler pump.

Facility Address or Owner/Responsible Party Address

Name: Jerry C. Puetz
Firm: STS Consultants, Ltd.
Street: 1035 Kepler Drive
City/State/Zip: Green Bay, WI 54311

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

Signature: [signature]
Print Name: MICHAEL CARNEY
Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

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

Facility/Project Name	County	Well Name
Former Langlade Oil Company, Inc.	Langlade	MW-7

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
03-34-000318	34	JU392	

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 _____	☒	[redacted]

3. Time spent developing well 120 min.

4. Depth of well (from top of well casing) 16.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 7.1 gal.

7. Volume of water removed from well 110.0 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.	8.00 ft.	8.00 ft.
Date	b.	11/01/2002	11/01/2002
Time	c.	12:20 pm	02:30 pm
12. Sediment in well bottom		3.0 inches	inches
13. Water clarity		Clear ☐ 10 Turbid ☒ 15	Clear ☒ 20 Turbid ☐ 25
(Describe)		High turbidity; a lot of fine silt in well	

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. Well developed by: Person's Name and Firm
Jerry C. Puetz
STS Consultants, Ltd.

17. Additional comments on development:
Surged and purged using whaler pump.

Facility Address or Owner/Responsible Party Address

Name: Jerry C. Puetz

Firm: STS Consultants, Ltd.

Street: 1035 Kepler Drive

City/State/Zip: Green Bay, WI 54311

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

Signature: [signature]

Print Name: MICHAEL CARNEY

Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

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

Facility/Project Name	County	Well Name
Former Langlade Oil Company, Inc.	Langlade	MW-8

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
03-34-000318	34	JU395	

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 120 min.

4. Depth of well (from top of well casing) 14.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 6.8 gal.

7. Volume of water removed from well 100.0 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.	6.40 ft.	6.40 ft.
Date	b.	11/02/2002	11/02/2002
Time	c.	06:45 am	08:45 am
12. Sediment in well bottom		3.0 inches	inches

13. Water clarity

Before Development	After Development
Clear ☐ 10	Clear ☒ 20
Turbid ☒ 15	Turbid ☐ 25
(Describe)	(Describe)
Brown, very high tubidity; a lot of silty sediment in well	

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

	Before Development	After Development
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Person's Name and Firm
Jerry C. Puetz
STS Consultants, Ltd.

17. Additional comments on development:
Surged and purged using whaler pump.

Facility Address or Owner/Responsible Party Address

Name: Jerry C. Puetz
Firm: STS Consultants, Ltd.
Street: 1035 Kepler Drive
City/State/Zip: Green Bay, WI 54311

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

Signature: [signature]
Print Name: Michael Carney
Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 6-97

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

Facility/Project Name	County	Well Name
Former Langlade Oil Company, Inc.	Langlade	PZ-1

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
03-34-000318	34	JU397	

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) 30.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 8.9 gal.

7. Volume of water removed from well 35.0 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.	6.99 ft.	6.96 ft.
Date	b.	11/02/2002	11/02/2002
Time	c.	12:30 pm	01:20 pm
12. Sediment in well bottom		0.0 inches	0.0 inches
13. Water clarity		Clear ☐ 10 Turbid ☒ 15	Clear ☒ 20 Turbid ☐ 25
		(Describe) Light brown; low tubidity	(Describe)
14. Total suspended solids		mg/l	mg/l
15. COD		mg/l	mg/l

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

16. Well developed by: Person's Name and Firm
Jerry C. Puetz
STS Consultants, Ltd.

17. Additional comments on development:
Surged and purged using whaler pump.

Facility Address or Owner/Responsible Party Address

Name: Jerry C. Puetz

Firm: STS Consultants, Ltd.

Street: 1035 Kepler Drive

City/State/Zip: Green Bay, WI 54311

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

Signature: [signature]

Print Name: MICHAEL CARNEY

Firm: STS Consultants, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

Wisconsin Department of Natural Resources
STS Project No. 4-26788XA

Appendix B

Field Data Summary

Hydraulic Conductivity Test Results

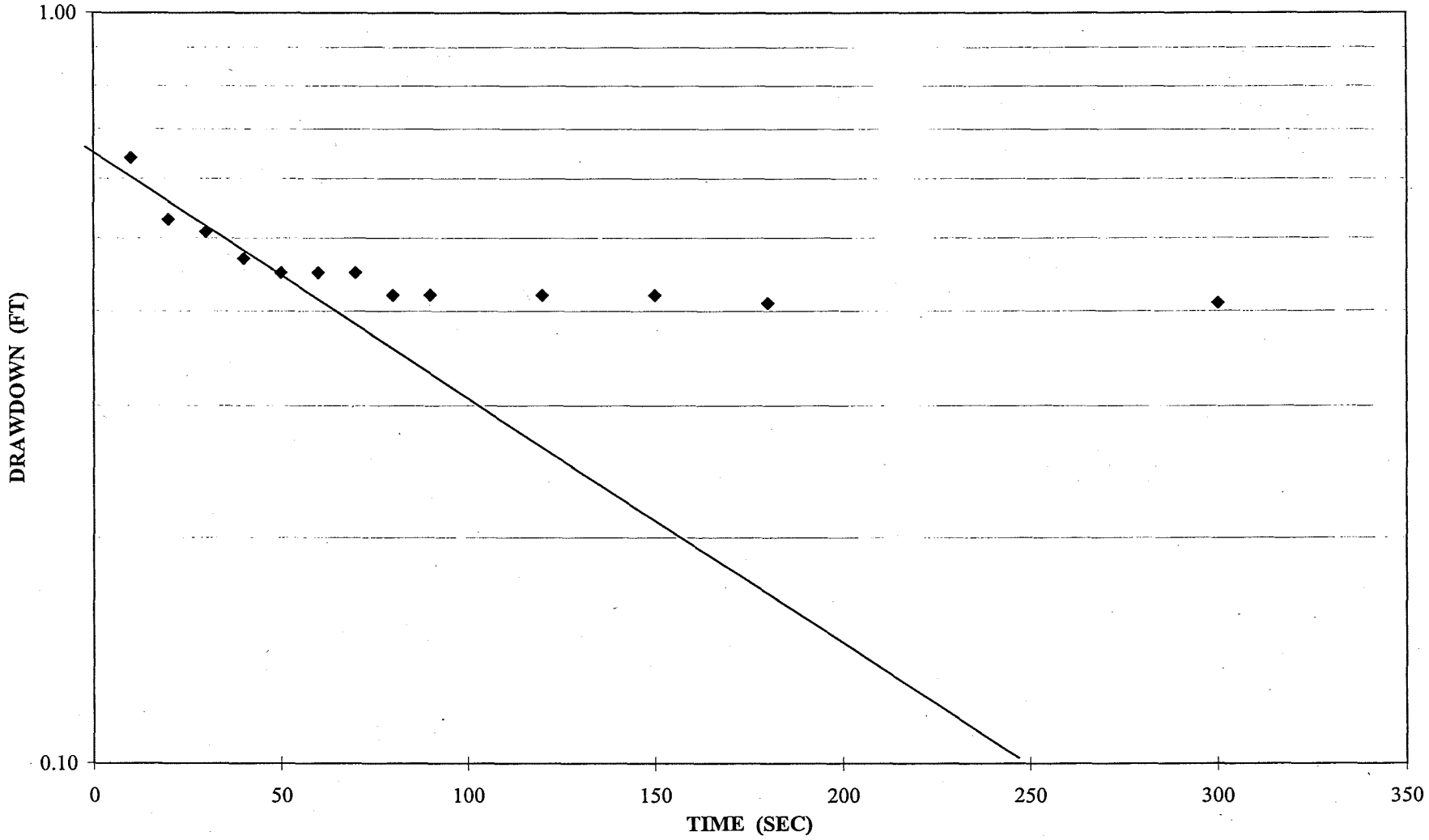
LANGLADE OIL COMPANY - MW-3

	static water table =		7.40
time	*time*	*water level*	*drawdown*
(decimal minutes)	(seconds)	(feet)	(feet)
	0	7.64	0.24
0.17	10	7.41	0.01
0.50	30	7.41	0.01

LANGLADE OIL COMPANY - MW-1 Run #2

	static water table =		8.51
time	*time*	*water level*	*drawdown*
(decimal minutes)	(seconds)	(feet)	(feet)
	0	9.77	1.26
0.17	10	9.15	0.64
0.33	20	9.04	0.53
0.50	30	9.02	0.51
0.67	40	8.98	0.47
0.83	50	8.96	0.45
1.00	60	8.96	0.45
1.17	70	8.96	0.45
1.33	80	8.93	0.42
1.50	90	8.93	0.42
2.00	120	8.93	0.42
2.50	150	8.93	0.42
3.00	180	8.92	0.41
5.00	300	8.92	0.41

LANGLADE OIL COMPANY
MW-1 - Run #2



Langlade Oil Company
Field Hydraulic Conductivity Analysis: **MW-1 - Run #2**
Bouwer & Rice Method
Partially Penetrating Well in an Unconfined Aquifer

	ft	cm	
r_c	0.083	2.5	Radius of Well Casing
r_w	0.33	10.1	Radius of Borehole/Well
L_w	5.5	167.6	Vertical Distance from Static Water Level to Bottom of Well
L_e	5.5	167.6	Vertical Length of Saturated Filter Pack
H	10	304.8	Vertical Distance from Static Water Level to Impermeable Boundary
n	0.3	0.3	Filter Pack Porosity
r_{eq}	0.19	5.90	Equivalent Casing Radius
y_o	0.65	19.8	Change in Water Level at Time 0
y_t	0.45	13.7	Change in Water Level at Time t
t	50	50	Time which Corresponds to y_t (sec)
A	2	2	Well Geometry Parameter (dimesionless)
B	0.3	0.3	Well Geometry Parameter (dimesionless)
Part1	0.391	0.391	Portion of $\ln(R_e/r_w)$ Calculation
Part2	0.167	0.167	Portion of $\ln(R_e/r_w)$ Calculation
$\ln(R_e/r_w)$	1.792	1.792	
	(ft/sec)	(cm/sec)	
K	4.5E-05	1.4E-03	**Hydraulic Conductivity**

Where:

$$K = r_{eq}^{\,2} \times \ln\left(\frac{R_e}{r_w}\right) \times \frac{1}{t} \times \ln\left(\frac{y_0}{y_t}\right)$$

$$\ln\left(\frac{R_e}{r_w}\right) = \left\{ \frac{1.1}{\ln\left(\frac{L_w}{r_w}\right)} + \frac{A + B\left[\frac{\left(H - L_w\right)}{r_w}\right]}{\frac{L_e}{r_w}} \right\}^{-1}$$

$$\ln\left(\frac{R_e}{r_w}\right) = \{Part1 + Part2\}^{-1}$$

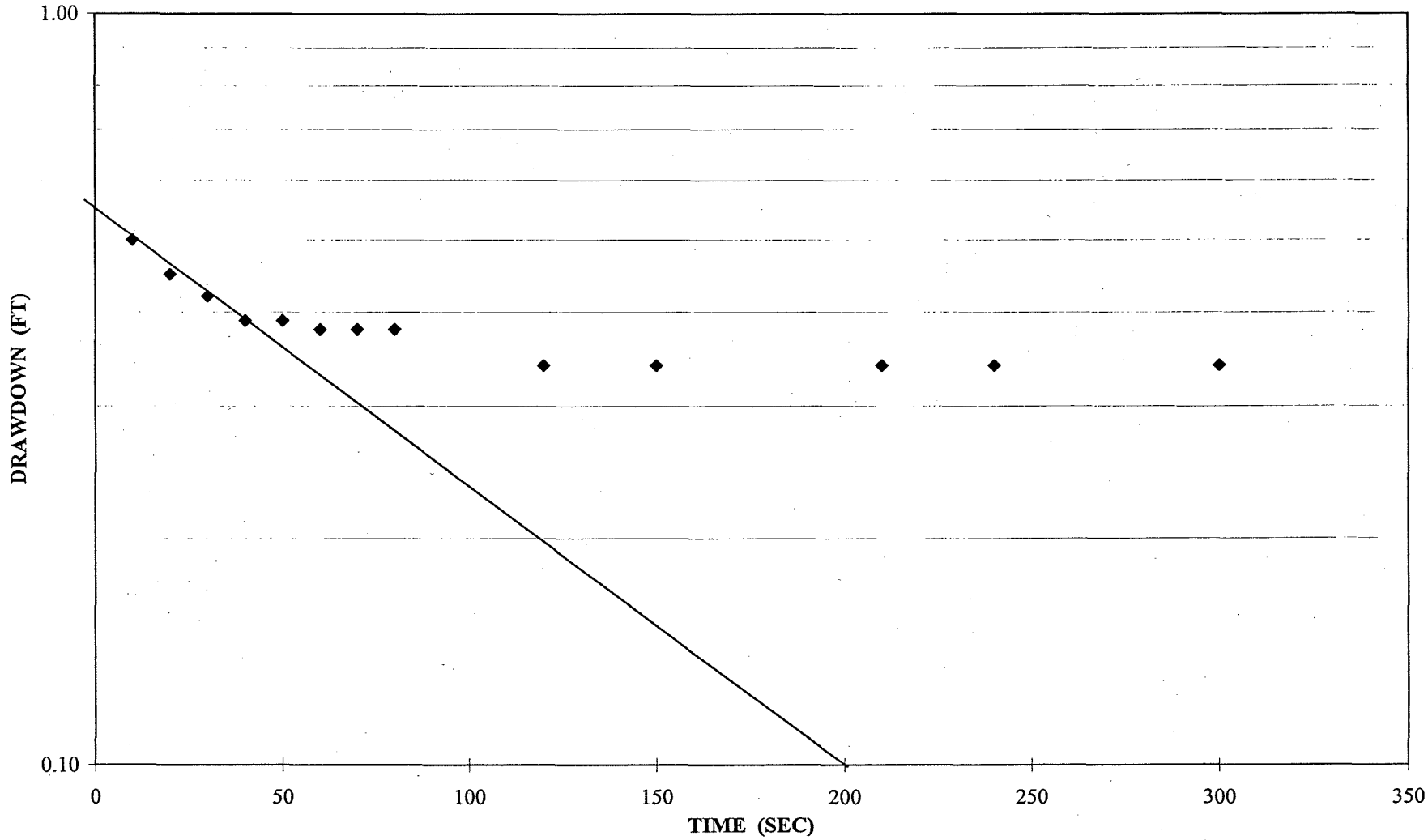
Calculated by: Michael J. Carney (8/15/02)

Checked by: Eric C. Schmidt (8/19/02)

LANGLADE OIL COMPANY - MW-1 Run #1

	static water table =		8.51
time	*time*	*water level*	*drawdown*
(decimal minutes)	(seconds)	(feet)	(feet)
	0	9.77	1.26
0.17	10	9.01	0.50
0.33	20	8.96	0.45
0.50	30	8.93	0.42
0.67	40	8.90	0.39
0.83	50	8.90	0.39
1.00	60	8.89	0.38
1.17	70	8.89	0.38
1.33	80	8.89	0.38
2.00	120	8.85	0.34
2.50	150	8.85	0.34
3.50	210	8.85	0.34
4.00	240	8.85	0.34
5.00	300	8.85	0.34
20.00	1200	8.85	0.34
30.00	1800	8.84	0.33
50.00	3000	8.83	0.32

LANGLADE OIL COMPANY
MW-1 - Run #1



Langlade Oil Company
Field Hydraulic Conductivity Analysis: **MW-1 - Run #1**
Bouwer & Rice Method
Partially Penetrating Well in an Unconfined Aquifer

	ft	cm	
r_c	0.083	2.5	Radius of Well Casing
r_w	0.33	10.1	Radius of Borehole/Well
L_w	5.5	167.6	Vertical Distance from Static Water Level to Bottom of Well
L_e	5.5	167.6	Vertical Length of Saturated Filter Pack
H	10	304.8	Vertical Distance from Static Water Level to Impermeable Boundary
n	0.3	0.3	Filter Pack Porosity
r_{eq}	0.19	5.90	Equivalent Casing Radius
y_o	0.55	16.8	Change in Water Level at Time 0
y_t	0.39	11.9	Change in Water Level at Time t
t	40	40	Time which Corresponds to y_t (sec)
A	2	2	Well Geometry Parameter (dimesionless)
B	0.3	0.3	Well Geometry Parameter (dimesionless)
Part1	0.391	0.391	Portion of $\ln(R_e/r_w)$ Calculation
Part2	0.167	0.167	Portion of $\ln(R_e/r_w)$ Calculation
$\ln(R_e/r_w)$	1.792	1.792	
	(ft/sec)	(cm/sec)	
K	5.2E-05	1.6E-03	**Hydraulic Conductivity**

Where:

$$K = r_{eq}^{\,2} \times \ln\left(\frac{R_e}{r_w}\right) \times \frac{1}{t} \times \ln\left(\frac{y_0}{y_t}\right)$$

$$\ln\left(\frac{R_e}{r_w}\right) = \left\{ \frac{1.1}{\ln\left(\frac{L_w}{r_w}\right)} + \frac{A + B\left[\frac{(H - L_w)}{r_w}\right]}{\frac{L_e}{r_w}} \right\}^{-1}$$

$$\ln\left(\frac{R_e}{r_w}\right) = \{Part1 + Part2\}^{-1}$$

Calculated by: Michael J. Carney (8/15/02)

Checked by: Eric C. Schmidt (8/19/02)

STS Project No. 26788XF

FIELD DATA SUMMARY
Former Langlade Oil Company, Inc.
Antigo, Wisconsin

Date: 8-Nov-01
Sampled By: JCP

Well	TPVC Elev.	Depth to Water (TPVC)	Water Elev.	Gallons Purged	Temp (°C)	pH	ORP (mV)	Conductivity @25°C	Dissolved Oxygen (ppm)	Color	Odor	Turbidity	Remarks
MW-1	1490.77	8.39	1482.38	5.5	9.0	6.31	034	460	1.5	Lt. Brown	Slight Sulfur	Low	
MW-2	1486.76	4.80	1481.96	5.7	14.5	6.28	048	420	<1	Lt. Brown	Slight Petroleum	Low	
MW-3	1488.92	6.82	1482.10	6.0	13.0	6.14	060	440	<1	Lt. Brown	Slight Petroleum	Low	
MW-4	1487.84	5.99	1481.85	5.7	8.5	6.28	-034	980	<1	Lt. Brown	Moderate Sulfur	Low	
MW-5	1489.94	8.14	1481.80	4.8	7.0	6.26	008	430	<1	Grayish Brown	Slight Petroleum	Moderate	
MW-6	1487.60	5.57	1482.03	6.0	8.5	5.98	-047	620	<1	Lt. Brown	Slight Petroleum	Moderate	
MW-7	1489.81	8.10	1481.71	5.5	8.0	6.23	060	440	<1	Dk. Brown	V. Slight Sulfur	Moderate	
MW-8	1488.77	6.43	1482.34	5.3	11.5	5.93	052	450	<1	Lt. Brown	Slight Sulfur	Moderate	
PZ-1	1489.07	6.94	1482.13	18.0	11.0	6.43	030	500	<1	Clear	None	Clear	
Dup-1	--	--	--	--	13.0	6.16	058	440	<1	Lt. Brown	Slight Petroleum	Low	Dup-1 is MW-3

Date: 28-Jan-02
Sampled By: JCP

Well	TPVC Elev.	Depth to Water (TPVC)	Water Elev.	Gallons Purged	Temp (°C)	pH	ORP (mV)	Conductivity @25°C	Dissolved Oxygen (ppm)	Color	Odor	Turbidity	Remarks
MW-1	1490.77	8.26	1482.51	5.5	0.0	5.86	070	500	4.0	Lt. Brown	Slight Sulfur	Low	
MW-2	1486.76	5.07	1481.69	5.5	8.5	6.28	025	440	<1	Lt. Brown	Slight Petroluem	Low	
MW-3	1488.92	7.14	1481.78	4.8	8.0	6.2	046	460	<1	Lt. Brown	Slight Petroluem	Low	
MW-4	1487.84	6.30	1481.54	5.5	6.5	6.23	-010	590	<1	Black	Strong Sulfur	Low	
MW-5	1489.94	8.41	1481.53	4.6	9.0	6.32	009	420	<1	Lt. Brown	Slight Petroluem	Low	Extra liter amber for lab QA/QC
MW-6	1487.60	5.90	1481.70	5.75	7.0	6.04	-065	550	<1	Lt. Brown	Strong Sulfur	Moderate	
MW-7	1489.81	8.37	1481.44	6.5	7.0	6.18	034	420	<1	Lt. Brown	Slight Sulfur	Low	
MW-8	1488.77	6.77	1482.00	5.0	10.0	5.90	-012	450	<1	Grayish Brown	Moderate Sulfur	Low	
PZ-1	1489.07	7.26	1481.81	17.5	10.0	6.20	012	420	<1	Clear	Slight Sulfur	Clear	
Dup-1	--	--	--	--	8.5	6.23	041	450	<1	Lt. Brown	Slight Petroluem	Low	Dup-1 is MW-3

Wisconsin Department of Natural Resources
STS Project No. 4-26788XA

Appendix C

Calculations for SSRCLs

Langlade Oil Company, Inc.

Antigo, Wisconsin

Benzene--Groundwater Pathway

Site-Specific Residual Contaminant Level Calculation

Parameter	Value	Units	Description	Source
K_{oc}	**59**	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0300**	g/g	Fraction Organic Carbon Content	Site specific average
K_d	1.7700	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	5	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES} **0.190** mg/kg **Benzene** Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: vmk 8/16/02

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Screening Guidance, EPA Publication 9355.4-23, July 1996

Langlade Oil Company, Inc.
Antigo, Wisconsin

Ethylbenzene--Groundwater Pathway
Site-Specific Residual Contaminant Level Calculation

Parameter	Value	Units	Description	Source
K_{oc}	363	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	0.0300	g/g	Fraction Organic Carbon Content	Site specific average
K_d	10.8900	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cr	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cr	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	700	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES} **154** mg/kg **Ethylbenzene Site-Specific Residual Contaminant Level using ES**

Calculated by: MJC (6/27/02)

Checked by: vmk (8/26/02)

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Screening Guidance, EPA Publication 9355.4-23, July 1996

Langlade Oil Company, Inc.

Antigo, Wisconsin

Trimethylbenzenes--Groundwater Pathway

Site-Specific Residual Contaminant Level Calculation

Parameter	Value	Units	Description	Source
K_{oc}	**820**	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0300**	g/g	Fraction Organic Carbon Content	Site specific average
K_d	24.600	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	480	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES}

240 mg/kg **Trimethylbenzenes** Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: umk 8/16/02

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) EPA (U.S. Environmental Protection Agency). 1999. Region IX Preliminary Remediation Goals (PRGs) Toxicity and Physical/Chemical Tables: http://www.epa.gov/region09/waste/sfund/prg/
(lower, conservative value for 1,3,5-Trimethylbenzene was used)

Langlade Oil Company, Inc.

Antigo, Wisconsin

1-Methyl Naphthalene--Groundwater Pathway

Site-Specific Residual Contaminant Level Calculation

Parameter	Value	Units	Description	Source
K_{oc}	1710	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	0.0300	g/g	Fraction Organic Carbon Content	Site specific average
K_d	51.300	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	700	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES}

720 mg/kg 1-Methyl Naphthalene Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: mwk 8/16/02

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbonc (PAHs)-Interim Guidance, WDNR Publication RR-519-97, April 1997

Langlade Oil Company, Inc.
Antigo, Wisconsin

2-Methyl Naphthalene--Groundwater Pathway
Site-Specific Residual Contaminant Level Calculation

Parameter	Value	Units	Description	Source
K_{oc}	**1870**	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0300**	g/g	Fraction Organic Carbon Content	Site specific average
K_d	56.100	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	400	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES}

450 mg/kg **2-Methyl naphthalene** Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: mwk (8/16/02)

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbonc (PAHs)-Interim Guidance, WDNR Publication RR-519-97, April 1997

Langlade Oil Company, Inc.

Antigo, Wisconsin

Phenanthrene--Groundwater Pathway

Site-Specific Residual Contaminant Level Calculation

Parameter	Value	Units	Description	Source
K_{oc}	**6320**	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0300**	g/g	Fraction Organic Carbon Content	Site specific average
K_d	189.600	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	4.8	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES}

18 mg/kg **Phenanthrene** Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: vmk 8/16/02

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbonc (PAHs)-Interim Guidance, WDNR Publication RR-519-97, April 1997

Langlade Oil Company, Inc.

Antigo, Wisconsin

Xylenes--Groundwater Pathway

Site-Specific Residual Contaminant Level Calculation

Parameter	Value	Units	Description	Source
K_{oc}	**363**	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0300**	g/g	Fraction Organic Carbon Content	Site specific average
K_d	10.890	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	10000	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES} **2205** mg/kg **Xylenes** Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: mmk 8/16/02

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Screening Guidance, EPA Publication 9355.4-23, July 1996

Langlade Oil Company, Inc.

Antigo, Wisconsin

Naphthalene--Groundwater Pathway

Site-Specific Residual Contaminant Level Calculation

Parameter	Value	Units	Description	Source
K_{oc}	**828**	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0300**	g/g	Fraction Organic Carbon Content	Site specific average
K_d	24.840	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	40	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES} **20** mg/kg **Naphthalene** Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: mwk (8/26/02)

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbonc (PAHs)-Interim Guidance, WDNR Publication RR-519-97, April 1997

Langlade Oil Company, Inc.

Antigo, Wisconsin

Benzene--Groundwater Pathway

Site-Specific Residual Contaminant Level Calculation (low foc)

Parameter	Value	Units	Description	Source
K_{oc}	**59**	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0095**	g/g	Fraction Organic Carbon Content	Site specific average
K_d	0.5605	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	5	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES} **0.069** mg/kg **Benzene** Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: mjk (8/16/02)

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Screening Guidance, EPA Publication 9355.4-23, July 1996

Langlade Oil Company, Inc.
Antigo, Wisconsin

Ethylbenzene--Groundwater Pathway
Site-Specific Residual Contaminant Level Calculation (low foc)

Parameter	Value	Units	Description	Source
K_{oc}	363	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0095**	g/g	Fraction Organic Carbon Content	Lowest Site Specific Value
K_d	3.4485	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_2O/cr	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/c	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	700	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES} **50** mg/kg **Ethylbenzene Site-Specific Residual Contaminant Level using ES**

Calculated by: MJC (6/27/02)

Checked by: vmk (8/16/02)

Notes:
1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Screening Guidance, EPA Publication 9355.4-23, July 1996

Langlade Oil Company, Inc.
Antigo, Wisconsin

Trimethylbenzenes--Groundwater Pathway
Site-Specific Residual Contaminant Level Calculation (low foc)

Parameter	Value	Units	Description	Source
K_{oc}	**820**	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0095**	g/g	Fraction Organic Carbon Content	Site specific average
K_d	7.790	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	480	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES}

80 mg/kg **Trimethylbenzenes** Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: vmk (8/16/02)

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) EPA (U.S. Environmental Protection Agency). 1999. Region IX Preliminary Remediation Goals (PRGs) Toxicity and Physical/Chemical Tables: http://www.epa.gov/region09/waste/sfund/prg/
(lower, conservative value for 1,3,5-Trimethylbenzene was used)

Langlade Oil Company, Inc.

Antigo, Wisconsin

1-Methyl Naphthalene--Groundwater Pathway

Site-Specific Residual Contaminant Level Calculation (low foc)

Parameter	Value	Units	Description	Source
K_{oc}	1710	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	0.0095	g/g	Fraction Organic Carbon Content	Site specific average
K_d	16.245	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	700	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES}

229 mg/kg — 1-Methyl Naphthalene Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: mwk (6/16/02)

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbonc (PAHs)-Interim Guidance, WDNR Publication RR-519-97, April 1997

Langlade Oil Company, Inc.

Antigo, Wisconsin

2-Methyl Naphthalene--Groundwater Pathway

Site-Specific Residual Contaminant Level Calculation (low foc)

Parameter	Value	Units	Description	Source
K_{oc}	**1870**	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0095**	g/g	Fraction Organic Carbon Content	Site specific average
K_d	17.765	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	400	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES}

143 mg/kg **2-Methyl naphthalene** Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: VMK (8/16/02)

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbonc (PAHs)-Interim Guidance, WDNR Publication RR-519-97, April 1997

Langlade Oil Company, Inc.

Antigo, Wisconsin

Phenanthrene--Groundwater Pathway

Site-Specific Residual Contaminant Level Calculation (low foc)

Parameter	Value	Units	Description	Source
K_{oc}	**6320**	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0095**	g/g	Fraction Organic Carbon Content	Site specific average
K_d	60.040	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	4.8	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES}

6 mg/kg **Phenanthrene** Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: mk (8/16/02)

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbonc (PAHs)-Interim Guidance, WDNR Publication RR-519-97, April 1997

Langlade Oil Company, Inc.

Antigo, Wisconsin

Xylenes--Groundwater Pathway

Site-Specific Residual Contaminant Level Calculation (low foc)

Parameter	Value	Units	Description	Source
K_{oc}	**363**	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0095**	g/g	Fraction Organic Carbon Content	Site specific average
K_d	3.449	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	10000	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}{}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES} **716** mg/kg **Xylenes** Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: mjk 8/16/02

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Screening Guidance, EPA Publication 9355.4-23, July 1996

Langlade Oil Company, Inc.

Antigo, Wisconsin

Naphthalene--Groundwater Pathway

Site-Specific Residual Contaminant Level Calculation (low foc)

Parameter	Value	Units	Description	Source
K_{oc}	**828**	L/kg	Organic Carbon Partition Coefficient	3
f_{oc}	**0.0095**	g/g	Fraction Organic Carbon Content	Site specific average
K_d	7.866	L/kg	Soil:Water Distribution Coefficient	K_{oc} x f_{oc}
θ	0.2	cm^3-H_20/cm^3-soil	Volumetric Water Content, Vadose Zone Soils	WDNR Default Value
n	0.43	cm^3-void/cm^3-soil	Porosity	WDNR Default Value
d	152.4	cm	Groundwater Mixing Zone Thickness	WDNR Default Value
R	25.4	cm	Annualized Groundwater Recharge Rate	WDNR Default Value
ρ_b	1.5	g-soil/cm^3-soil	Soil Bulk Density	WDNR Default Value
DAF	20		Dilution Attenuation Factor	EPA Default
ES	40	µg/L	Enforcement Standard	NR 140

Calculate Site-Specific Residual Contaminant Level (RCL)

$$RCL_{ES} = ES \times 10^{-3}_{mg/\mu g} \times (K_d + \theta/\rho_b) \times DAF$$

RCL_{ES} **6** mg/kg **Naphthalene** Site-Specific Residual Contaminant Level using ES

Calculated by: MJC (6/27/02)

Checked by: VMK (8/16/02)

Notes:

1) Site-Specific Residual Contaminant Level (RCL) equation and default values from WDNR Publication RR-519-97, "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs)--Interim Guidance" (April 1997).

2) NR 140 Groundwater Enforcement Standard (ES) from s. NR140.10, Wisconsin Administrative Code (March 2000).

3) Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbonc (PAHs)-Interim Guidance, WDNR Publication RR-519-97, April 1997

Wisconsin Department of Natural Resources
STS Project No. 4-26788XA

Appendix D

Groundwater Analytical Test Reports

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

October 18, 2001

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

Attn: Jerry Puetz

REPORT NO.: 082417 **PROJECT NO.: 26788XF**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received September 27, 2001.

All analyses were performed in accordance with approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

James R. Salkowski

James R. Salkowski
Laboratory Director

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by: Eric P. Nash

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Summary

082417.2

Lab Id	Client Sample ID	Date/Time	Matrix
082417	B-2	09/26/01	WATER
082418	B-5	09/26/01	WATER
082419	B-6	09/26/01	WATER
082420	B-7	09/26/01	WATER
082421	B-8	09/26/01	WATER
082422	B-9	09/26/01	WATER
082423	B-10	09/26/01	WATER
082424	B-11	09/26/01	WATER
082425	B-13	09/26/01	WATER
082426	B-14	09/26/01	WATER
082427	DUP-1	09/26/01	WATER
082428	FB-1	09/26/01	WATER
082429	TRIP BLANK-USF	09/26/01	WATER
082430	B-1 1	09/26/01	SOIL
082431	B-1 2	09/26/01	SOIL
082432	B-2 1	09/26/01	SOIL
082433	B-2 2	09/26/01	SOIL
082434	B-4 1	09/26/01	SOIL
082435	B-4 2	09/26/01	SOIL
082436	B-5 1	09/26/01	SOIL
082437	B-5 2	09/26/01	SOIL
082438	MEOH BLANK-USF	09/26/01	SOIL
082439	B-6 1	09/26/01	SOIL
082440	B-6 2	09/26/01	SOIL
082441	B-7 1	09/26/01	SOIL
082442	B-7 2	09/26/01	SOIL
082443	B-11 1	09/26/01	SOIL
082444	B-11 2	09/26/01	SOIL
082445	B-12 2	09/26/01	SOIL
082446	B-3 1	09/26/01	SOIL
082447	B-9 1	09/26/01	SOIL
082448	B-12 1	09/26/01	SOIL
082449	B-3 2	09/26/01	SOIL
082450	B-9 2	09/26/01	SOIL
082451	B-8 1A	09/26/01	SOIL
082452	B-8 2	09/26/01	SOIL
082453	B-10 1	09/26/01	SOIL
082454	B-10 2	09/26/01	SOIL
082455	B-13 1	09/26/01	SOIL
082456	B-13 2	09/26/01	SOIL
082457	B-14 1	09/26/01	SOIL
082458	B-14 2	09/26/01	SOIL

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.5
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-2 Matrix: WATER Sample Date/Time: 09/26/01 Lab No. 082417

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1	CSH	10/05/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
1,2,3-Trichloropropane	<0.19	µg/l	0.19	0.633	1		10/05/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		10/05/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		10/05/01	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		10/05/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
WI DNR								
Diesel Range Organics	13,000.	µg/l	33.0	110.	10	D2 D5	10/04/01	LTD
Water Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		10/02/01	LMP

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

a VIVENDI water company

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.6
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-5** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082418**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		10/05/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		10/05/01	LMP
Bromochloromethane	<0.14	µg/l	0.14	0.466	1		10/05/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		10/05/01	LMP
Bromoform	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
Bromomethane	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1		10/05/01	LMP
sec-Butylbenzene	0.412	µg/l	0.19	0.633	1	J	10/05/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		10/05/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		10/05/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		10/05/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		10/05/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		10/05/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		10/05/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		10/05/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		10/05/01	LMP
Dibromomethane	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		10/05/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		10/05/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		10/05/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	10/05/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		10/05/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1		10/05/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		10/05/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		10/05/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		10/05/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		10/05/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1		10/05/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		10/05/01	LMP
1,1-Dichloroprop(yl)ene	<0.36	µg/l	0.36	1.2	1		10/05/01	LMP
t-1,3-Dichloroprop(yl)ene	<0.18	µg/l	0.18	0.599	1		10/05/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		10/05/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		10/05/01	LMP
Isopropylbenzene	0.352	µg/l	0.17	0.566	1	J	10/05/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		10/05/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		10/05/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		10/05/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		10/05/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		10/05/01	LMP
Styrene	<0.18	µg/l	0.18	0.599	1		10/05/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		10/05/01	LMP
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1	SPH	10/05/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1	SPH	10/05/01	LMP
Toluene	0.442	µg/l	0.4	1.33	1	J	10/05/01	LMP
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		10/05/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		10/05/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1		10/05/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		10/05/01	LMP

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301 WEST MILITARY ROAD
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TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts

µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand

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ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.4
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-2 Matrix: WATER Sample Date/Time: 09/26/01 Lab No. 082417

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		10/05/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		10/05/01	LMP
Bromochloromethane	<0.14	µg/l	0.14	0.466	1		10/05/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		10/05/01	LMP
Bromoform	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
Bromomethane	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1		10/05/01	LMP
sec-Butylbenzene	<0.19	µg/l	0.19	0.633	1		10/05/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		10/05/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		10/05/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		10/05/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		10/05/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		10/05/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		10/05/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		10/05/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		10/05/01	LMP
Dibromomethane	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		10/05/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		10/05/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		10/05/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	10/05/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		10/05/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1		10/05/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		10/05/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		10/05/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		10/05/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		10/05/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1		10/05/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		10/05/01	LMP
1,1-Dichloroprop(yl)ene	<0.36	µg/l	0.36	1.2	1		10/05/01	LMP
t-1,3-Dichloroprop(yl)ene	<0.18	µg/l	0.18	0.599	1		10/05/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		10/05/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		10/05/01	LMP
Isopropylbenzene	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		10/05/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		10/05/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		10/05/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		10/05/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		10/05/01	LMP
Styrene	<0.18	µg/l	0.18	0.599	1		10/05/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		10/05/01	LMP
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1	SPH	10/05/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1	SPH	10/05/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		10/05/01	LMP
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		10/05/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		10/05/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1		10/05/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		10/05/01	LMP

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.7
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-5** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082418**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1	CSH	10/05/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
1,2,3-Trichloropropane	<0.19	µg/l	0.19	0.633	1		10/05/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		10/05/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		10/05/01	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		10/05/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
WI DNR								
Diesel Range Organics	5,360.	µg/l	33.0	110.	5	D2 D5	10/04/01	LTD
Water Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		10/02/01	LMP

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Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.8
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-6** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082419**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<3.20	µg/l	0.16	0.533	20		10/05/01	LMP
Bromobenzene	<4.80	µg/l	0.24	0.799	20		10/05/01	LMP
Bromochloromethane	<2.80	µg/l	0.14	0.466	20		10/05/01	LMP
Bromodichloromethane	<4.00	µg/l	0.2	0.666	20		10/05/01	LMP
Bromoform	<3.40	µg/l	0.17	0.566	20		10/05/01	LMP
Bromomethane	<3.00	µg/l	0.15	0.5	20		10/05/01	LMP
n-Butylbenzene	112.	µg/l	0.24	0.799	20		10/05/01	LMP
sec-Butylbenzene	76.4	µg/l	0.19	0.633	20		10/05/01	LMP
tert-Butylbenzene	<3.60	µg/l	0.18	0.599	20		10/05/01	LMP
Carbon Tetrachloride	<6.00	µg/l	0.3	0.999	20		10/05/01	LMP
Chlorobenzene	<3.40	µg/l	0.17	0.566	20		10/05/01	LMP
Dibromochloromethane	<4.40	µg/l	0.22	0.733	20		10/05/01	LMP
Chloroethane	<5.00	µg/l	0.25	0.833	20		10/05/01	LMP
Chloroform	<4.80	µg/l	0.24	0.799	20		10/05/01	LMP
Chloromethane	<3.00	µg/l	0.15	0.5	20		10/05/01	LMP
2-Chlorotoluene	<4.80	µg/l	0.24	0.799	20		10/05/01	LMP
4-Chlorotoluene	<5.40	µg/l	0.27	0.899	20		10/05/01	LMP
Dibromochloropropane(DBCP)	<3.00	µg/l	0.15	0.5	20		10/05/01	LMP
1,2-Dibromoethane(EDB)	<3.80	µg/l	0.19	0.633	20		10/05/01	LMP
Dibromomethane	<3.00	µg/l	0.15	0.5	20		10/05/01	LMP
1,2-Dichlorobenzene	<7.20	µg/l	0.36	1.2	20		10/05/01	LMP
1,3-Dichlorobenzene	<5.60	µg/l	0.28	0.932	20		10/05/01	LMP
1,4-Dichlorobenzene	<5.40	µg/l	0.27	0.899	20		10/05/01	LMP
Dichlorodifluoromethane	<5.00	µg/l	0.25	0.833	20	CSL	10/05/01	LMP
1,1-Dichloroethane	<7.60	µg/l	0.38	1.27	20		10/05/01	LMP
1,2-Dichloroethane	<5.60	µg/l	0.28	0.932	20		10/05/01	LMP
1,1-Dichloroeth(yl)ene	<7.60	µg/l	0.38	1.27	20		10/05/01	LMP
cis-1,2-Dichloroeth(yl)ene	<5.00	µg/l	0.25	0.833	20		10/05/01	LMP
trans-1,2-Dichloroethylene	<5.00	µg/l	0.25	0.833	20		10/05/01	LMP
1,2-Dichloropropane	<7.00	µg/l	0.35	1.17	20		10/05/01	LMP
1,3-Dichloropropane	<5.20	µg/l	0.26	0.866	20		10/05/01	LMP
2,2-Dichloropropane	<5.80	µg/l	0.29	0.966	20		10/05/01	LMP
1,1-Dichloroprop(yl)ene	<7.20	µg/l	0.36	1.2	20		10/05/01	LMP
t-1,3-Dichloroprop(yl)ene	<3.60	µg/l	0.18	0.599	20		10/05/01	LMP
Ethylbenzene	<10.0	µg/l	0.5	1.67	20		10/05/01	LMP
Hexachlorobutadiene	<20.0	µg/l	1.0	3.33	20		10/05/01	LMP
Isopropylbenzene	42.1	µg/l	0.17	0.566	20		10/05/01	LMP
Isopropyl Ether	<3.00	µg/l	0.15	0.5	20		10/05/01	LMP
p-Isopropyltoluene	366.	µg/l	0.19	0.633	20		10/05/01	LMP
Methyl t-Butyl Ether(MTBE)	<6.00	µg/l	0.3	0.999	20		10/05/01	LMP
Methylene Chloride	<6.00	µg/l	0.3	0.999	20		10/05/01	LMP
Naphthalene	244.	µg/l	0.8	2.66	20		10/05/01	LMP
n-Propylbenzene	75.5	µg/l	0.16	0.533	20		10/05/01	LMP
Styrene	<3.60	µg/l	0.18	0.599	20		10/05/01	LMP
Tetrachloroeth(yl)ene	<5.20	µg/l	0.26	0.866	20		10/05/01	LMP
1,1,1,2-Tetrachloroethane	<3.00	µg/l	0.15	0.5	20	SPH	10/05/01	LMP
1,1,2,2-Tetrachloroethane	<5.60	µg/l	0.28	0.932	20	SPH	10/05/01	LMP
Toluene	<8.00	µg/l	0.4	1.33	20		10/05/01	LMP
1,2,3-Trichlorobenzene	<8.00	µg/l	0.4	1.33	20		10/05/01	LMP
1,2,4-Trichlorobenzene	<7.60	µg/l	0.38	1.27	20		10/05/01	LMP
1,1,1-Trichloroethane	<4.00	µg/l	0.2	0.666	20		10/05/01	LMP
1,1,2-Trichloroethane	<4.00	µg/l	0.2	0.666	20		10/05/01	LMP

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.9
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-6** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082419**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<5.20	µg/l	0.26	0.866	20	CSH	10/05/01	LMP
Trichlorofluoromethane	<3.00	µg/l	0.15	0.5	20		10/05/01	LMP
1,2,3-Trichloropropane	<3.80	µg/l	0.19	0.633	20		10/05/01	LMP
1,2,4-Trimethylbenzene	490.	µg/l	0.4	1.33	20		10/05/01	LMP
1,3,5-Trimethylbenzene	223.	µg/l	0.17	0.566	20		10/05/01	LMP
Vinyl Chloride	<6.00	µg/l	0.3	0.999	20		10/05/01	LMP
m- & p-Xylene	136.	µg/l	0.4	1.33	20		10/05/01	LMP
o-Xylene	<3.40	µg/l	0.17	0.566	20		10/05/01	LMP
WI DNR								
Diesel Range Organics	185,000.	µg/l	33.0	110.	100	D1 D5	10/04/01	LTD
Water Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Gasoline Range Organics	1,190.	µg/l	31.0	103.	1	G2 G6	10/02/01	LMP

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ROTHSCHILD, WI 54474

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STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.10
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-7** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082420**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.8	µg/l	0.16	0.533	5		10/05/01	LMP
Bromobenzene	<1.20	µg/l	0.24	0.799	5		10/05/01	LMP
Bromochloromethane	<0.7	µg/l	0.14	0.466	5		10/05/01	LMP
Bromodichloromethane	<1.00	µg/l	0.2	0.666	5		10/05/01	LMP
Bromoform	<0.85	µg/l	0.17	0.566	5		10/05/01	LMP
Bromomethane	<0.75	µg/l	0.15	0.5	5		10/05/01	LMP
n-Butylbenzene	<1.20	µg/l	0.24	0.799	5		10/05/01	LMP
sec-Butylbenzene	1.62	µg/l	0.19	0.633	5		10/05/01	LMP
tert-Butylbenzene	<0.9	µg/l	0.18	0.599	5		10/05/01	LMP
Carbon Tetrachloride	<1.50	µg/l	0.3	0.999	5		10/05/01	LMP
Chlorobenzene	<0.85	µg/l	0.17	0.566	5		10/05/01	LMP
Dibromochloromethane	<1.10	µg/l	0.22	0.733	5		10/05/01	LMP
Chloroethane	<1.25	µg/l	0.25	0.833	5		10/05/01	LMP
Chloroform	<1.20	µg/l	0.24	0.799	5		10/05/01	LMP
Chloromethane	<0.75	µg/l	0.15	0.5	5		10/05/01	LMP
2-Chlorotoluene	<1.20	µg/l	0.24	0.799	5		10/05/01	LMP
4-Chlorotoluene	<1.35	µg/l	0.27	0.899	5		10/05/01	LMP
Dibromochloropropane(DBCP)	<0.75	µg/l	0.15	0.5	5		10/05/01	LMP
1,2-Dibromoethane(EDB)	<0.95	µg/l	0.19	0.633	5		10/05/01	LMP
Dibromomethane	<0.75	µg/l	0.15	0.5	5		10/05/01	LMP
1,2-Dichlorobenzene	<1.80	µg/l	0.36	1.2	5		10/05/01	LMP
1,3-Dichlorobenzene	<1.40	µg/l	0.28	0.932	5		10/05/01	LMP
1,4-Dichlorobenzene	<1.35	µg/l	0.27	0.899	5		10/05/01	LMP
Dichlorodifluoromethane	<1.25	µg/l	0.25	0.833	5	CSL	10/05/01	LMP
1,1-Dichloroethane	<1.90	µg/l	0.38	1.27	5		10/05/01	LMP
1,2-Dichloroethane	<1.40	µg/l	0.28	0.932	5		10/05/01	LMP
1,1-Dichloroeth(yl)ene	<1.90	µg/l	0.38	1.27	5		10/05/01	LMP
cis-1,2-Dichloroeth(yl)ene	<1.25	µg/l	0.25	0.833	5		10/05/01	LMP
trans-1,2-Dichloroethylene	<1.25	µg/l	0.25	0.833	5		10/05/01	LMP
1,2-Dichloropropane	<1.75	µg/l	0.35	1.17	5		10/05/01	LMP
1,3-Dichloropropane	<1.30	µg/l	0.26	0.866	5		10/05/01	LMP
2,2-Dichloropropane	<1.45	µg/l	0.29	0.966	5		10/05/01	LMP
1,1-Dichloroprop(yl)ene	<1.80	µg/l	0.36	1.2	5		10/05/01	LMP
t-1,3-Dichloroprop(yl)ene	<0.9	µg/l	0.18	0.599	5		10/05/01	LMP
Ethylbenzene	<2.50	µg/l	0.5	1.67	5		10/05/01	LMP
Hexachlorobutadiene	<5.00	µg/l	1.0	3.33	5		10/05/01	LMP
Isopropylbenzene	1.75	µg/l	0.17	0.566	5		10/05/01	LMP
Isopropyl Ether	<0.75	µg/l	0.15	0.5	5		10/05/01	LMP
p-Isopropyltoluene	1.57	µg/l	0.19	0.633	5		10/05/01	LMP
Methyl t-Butyl Ether(MTBE)	<1.50	µg/l	0.3	0.999	5		10/05/01	LMP
Methylene Chloride	<1.50	µg/l	0.3	0.999	5		10/05/01	LMP
Naphthalene	<4.00	µg/l	0.8	2.66	5		10/05/01	LMP
n-Propylbenzene	1.14	µg/l	0.16	0.533	5		10/05/01	LMP
Styrene	<0.9	µg/l	0.18	0.599	5		10/05/01	LMP
Tetrachloroeth(yl)ene	<1.30	µg/l	0.26	0.866	5		10/05/01	LMP
1,1,1,2-Tetrachloroethane	<0.75	µg/l	0.15	0.5	5	SPH	10/05/01	LMP
1,1,2,2-Tetrachloroethane	<1.40	µg/l	0.28	0.932	5	SPH	10/05/01	LMP
Toluene	<2.00	µg/l	0.4	1.33	5		10/05/01	LMP
1,2,3-Trichlorobenzene	<2.00	µg/l	0.4	1.33	5		10/05/01	LMP
1,2,4-Trichlorobenzene	<1.90	µg/l	0.38	1.27	5		10/05/01	LMP
1,1,1-Trichloroethane	<1.00	µg/l	0.2	0.666	5		10/05/01	LMP
1,1,2-Trichloroethane	<1.00	µg/l	0.2	0.666	5		10/05/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.11
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-7** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082420**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<1.30	µg/l	0.26	0.866	5	CSH	10/05/01	LMP
Trichlorofluoromethane	<0.75	µg/l	0.15	0.5	5		10/05/01	LMP
1,2,3-Trichloropropane	<0.95	µg/l	0.19	0.633	5		10/05/01	LMP
1,2,4-Trimethylbenzene	7.33	µg/l	0.4	1.33	5		10/05/01	LMP
1,3,5-Trimethylbenzene	2.33	µg/l	0.17	0.566	5		10/05/01	LMP
Vinyl Chloride	<1.50	µg/l	0.3	0.999	5		10/05/01	LMP
m- & p-Xylene	17.1	µg/l	0.4	1.33	5		10/05/01	LMP
o-Xylene	<0.85	µg/l	0.17	0.566	5		10/05/01	LMP
WI DNR								
Diesel Range Organics	4,020.	µg/l	33.0	110.	2	D1 D5	10/04/01	LTD
Water Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Gasoline Range Organics	130.	µg/l	31.0	103.	1	G2 G6	10/03/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.12
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-8** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082421**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	419.	µg/l	0.16	0.533	100		10/05/01	LMP
Bromobenzene	<24.0	µg/l	0.24	0.799	100		10/05/01	LMP
Bromochloromethane	<14.0	µg/l	0.14	0.466	100		10/05/01	LMP
Bromodichloromethane	<20.0	µg/l	0.2	0.666	100		10/05/01	LMP
Bromoform	<17.0	µg/l	0.17	0.566	100		10/05/01	LMP
Bromomethane	<15.0	µg/l	0.15	0.5	100		10/05/01	LMP
n-Butylbenzene	176.	µg/l	0.24	0.799	100		10/05/01	LMP
sec-Butylbenzene	125.	µg/l	0.19	0.633	100		10/05/01	LMP
tert-Butylbenzene	29.3	µg/l	0.18	0.599	100		10/05/01	LMP
Carbon Tetrachloride	<30.0	µg/l	0.3	0.999	100		10/05/01	LMP
Chlorobenzene	<17.0	µg/l	0.17	0.566	100		10/05/01	LMP
Dibromochloromethane	<22.0	µg/l	0.22	0.733	100		10/05/01	LMP
Chloroethane	<25.0	µg/l	0.25	0.833	100		10/05/01	LMP
Chloroform	<24.0	µg/l	0.24	0.799	100		10/05/01	LMP
Chloromethane	<15.0	µg/l	0.15	0.5	100		10/05/01	LMP
2-Chlorotoluene	<24.0	µg/l	0.24	0.799	100		10/05/01	LMP
4-Chlorotoluene	<27.0	µg/l	0.27	0.899	100		10/05/01	LMP
Dibromochloropropane(DBCP)	<15.0	µg/l	0.15	0.5	100		10/05/01	LMP
1,2-Dibromoethane(EDB)	<19.0	µg/l	0.19	0.633	100		10/05/01	LMP
Dibromomethane	<15.0	µg/l	0.15	0.5	100		10/05/01	LMP
1,2-Dichlorobenzene	<36.0	µg/l	0.36	1.2	100		10/05/01	LMP
1,3-Dichlorobenzene	<28.0	µg/l	0.28	0.932	100		10/05/01	LMP
1,4-Dichlorobenzene	<27.0	µg/l	0.27	0.899	100		10/05/01	LMP
Dichlorodifluoromethane	<25.0	µg/l	0.25	0.833	100	CSL	10/05/01	LMP
1,1-Dichloroethane	<38.0	µg/l	0.38	1.27	100		10/05/01	LMP
1,2-Dichloroethane	<28.0	µg/l	0.28	0.932	100		10/05/01	LMP
1,1-Dichloroeth(yl)ene	<38.0	µg/l	0.38	1.27	100		10/05/01	LMP
cis-1,2-Dichloroeth(yl)ene	<25.0	µg/l	0.25	0.833	100		10/05/01	LMP
trans-1,2-Dichloroethylene	<25.0	µg/l	0.25	0.833	100		10/05/01	LMP
1,2-Dichloropropane	<35.0	µg/l	0.35	1.17	100		10/05/01	LMP
1,3-Dichloropropane	<26.0	µg/l	0.26	0.866	100		10/05/01	LMP
2,2-Dichloropropane	<29.0	µg/l	0.29	0.966	100		10/05/01	LMP
1,1-Dichloroprop(yl)ene	<36.0	µg/l	0.36	1.2	100		10/05/01	LMP
t-1,3-Dichloroprop(yl)ene	<18.0	µg/l	0.18	0.599	100		10/05/01	LMP
Ethylbenzene	87.3	µg/l	0.5	1.67	100		10/05/01	LMP
Hexachlorobutadiene	<100.	µg/l	1.0	3.33	100		10/05/01	LMP
Isopropylbenzene	143.	µg/l	0.17	0.566	100		10/05/01	LMP
Isopropyl Ether	<15.0	µg/l	0.15	0.5	100		10/05/01	LMP
p-Isopropyltoluene	131.	µg/l	0.19	0.633	100		10/05/01	LMP
Methyl t-Butyl Ether(MTBE)	<30.0	µg/l	0.3	0.999	100		10/05/01	LMP
Methylene Chloride	<30.0	µg/l	0.3	0.999	100		10/05/01	LMP
Naphthalene	418.	µg/l	0.8	2.66	100		10/05/01	LMP
n-Propylbenzene	209.	µg/l	0.16	0.533	100		10/05/01	LMP
Styrene	<18.0	µg/l	0.18	0.599	100		10/05/01	LMP
Tetrachloroeth(yl)ene	<26.0	µg/l	0.26	0.866	100		10/05/01	LMP
1,1,1,2-Tetrachloroethane	<15.0	µg/l	0.15	0.5	100	SPH	10/05/01	LMP
1,1,2,2-Tetrachloroethane	<28.0	µg/l	0.28	0.932	100	SPH	10/05/01	LMP
Toluene	<40.0	µg/l	0.4	1.33	100		10/05/01	LMP
1,2,3-Trichlorobenzene	<40.0	µg/l	0.4	1.33	100		10/05/01	LMP
1,2,4-Trichlorobenzene	<38.0	µg/l	0.38	1.27	100		10/05/01	LMP
1,1,1-Trichloroethane	<20.0	µg/l	0.2	0.666	100		10/05/01	LMP
1,1,2-Trichloroethane	<20.0	µg/l	0.2	0.666	100		10/05/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.13
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-8** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082421**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<26.0	µg/l	0.26	0.866	100	CSH	10/05/01	LMP
Trichlorofluoromethane	<15.0	µg/l	0.15	0.5	100		10/05/01	LMP
1,2,3-Trichloropropane	<19.0	µg/l	0.19	0.633	100		10/05/01	LMP
1,2,4-Trimethylbenzene	1,400.	µg/l	0.4	1.33	100		10/05/01	LMP
1,3,5-Trimethylbenzene	465.	µg/l	0.17	0.566	100		10/05/01	LMP
Vinyl Chloride	<30.0	µg/l	0.3	0.999	100		10/05/01	LMP
m- & p-Xylene	2,960.	µg/l	0.4	1.33	100		10/05/01	LMP
o-Xylene	<17.0	µg/l	0.17	0.566	100		10/05/01	LMP
WI DNR								
Diesel Range Organics	243,000.	µg/l	33.0	110.	200	D1 D5	10/04/01	LTD
Water Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Gasoline Range Organics	7,810.	µg/l	31.0	103.	20	G8 G5	10/03/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.14
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-9** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082422**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	241.	µg/l	0.16	0.533	200		10/05/01	LMP
Bromobenzene	<48.0	µg/l	0.24	0.799	200		10/05/01	LMP
Bromochloromethane	<28.0	µg/l	0.14	0.466	200		10/05/01	LMP
Bromodichloromethane	<40.0	µg/l	0.2	0.666	200		10/05/01	LMP
Bromoform	<34.0	µg/l	0.17	0.566	200		10/05/01	LMP
Bromomethane	<30.0	µg/l	0.15	0.5	200		10/05/01	LMP
n-Butylbenzene	222.	µg/l	0.24	0.799	200		10/05/01	LMP
sec-Butylbenzene	194.	µg/l	0.19	0.633	200		10/05/01	LMP
tert-Butylbenzene	<36.0	µg/l	0.18	0.599	200		10/05/01	LMP
Carbon Tetrachloride	<60.0	µg/l	0.3	0.999	200		10/05/01	LMP
Chlorobenzene	<34.0	µg/l	0.17	0.566	200		10/05/01	LMP
Dibromochloromethane	<44.0	µg/l	0.22	0.733	200		10/05/01	LMP
Chloroethane	<50.0	µg/l	0.25	0.833	200		10/05/01	LMP
Chloroform	<48.0	µg/l	0.24	0.799	200		10/05/01	LMP
Chloromethane	<30.0	µg/l	0.15	0.5	200		10/05/01	LMP
2-Chlorotoluene	<48.0	µg/l	0.24	0.799	200		10/05/01	LMP
4-Chlorotoluene	<54.0	µg/l	0.27	0.899	200		10/05/01	LMP
Dibromochloropropane(DBCP)	<30.0	µg/l	0.15	0.5	200		10/05/01	LMP
1,2-Dibromoethane(EDB)	<38.0	µg/l	0.19	0.633	200		10/05/01	LMP
Dibromomethane	<30.0	µg/l	0.15	0.5	200		10/05/01	LMP
1,2-Dichlorobenzene	<72.0	µg/l	0.36	1.2	200		10/05/01	LMP
1,3-Dichlorobenzene	<56.0	µg/l	0.28	0.932	200		10/05/01	LMP
1,4-Dichlorobenzene	<54.0	µg/l	0.27	0.899	200		10/05/01	LMP
Dichlorodifluoromethane	<50.0	µg/l	0.25	0.833	200	CSL	10/05/01	LMP
1,1-Dichloroethane	<76.0	µg/l	0.38	1.27	200		10/05/01	LMP
1,2-Dichloroethane	<56.0	µg/l	0.28	0.932	200		10/05/01	LMP
1,1-Dichloroeth(yl)ene	<76.0	µg/l	0.38	1.27	200		10/05/01	LMP
cis-1,2-Dichloroeth(yl)ene	<50.0	µg/l	0.25	0.833	200		10/05/01	LMP
trans-1,2-Dichloroethylene	<50.0	µg/l	0.25	0.833	200		10/05/01	LMP
1,2-Dichloropropane	<70.0	µg/l	0.35	1.17	200		10/05/01	LMP
1,3-Dichloropropane	<52.0	µg/l	0.26	0.866	200		10/05/01	LMP
2,2-Dichloropropane	<58.0	µg/l	0.29	0.966	200		10/05/01	LMP
1,1-Dichloroprop(yl)ene	<72.0	µg/l	0.36	1.2	200		10/05/01	LMP
t-1,3-Dichloroprop(yl)ene	<36.0	µg/l	0.18	0.599	200		10/05/01	LMP
Ethylbenzene	626.	µg/l	0.5	1.67	200		10/05/01	LMP
Hexachlorobutadiene	<200.	µg/l	1.0	3.33	200		10/05/01	LMP
Isopropylbenzene	210.	µg/l	0.17	0.566	200		10/05/01	LMP
Isopropyl Ether	<30.0	µg/l	0.15	0.5	200		10/05/01	LMP
p-Isopropyltoluene	291.	µg/l	0.19	0.633	200		10/05/01	LMP
Methyl t-Butyl Ether(MTBE)	<60.0	µg/l	0.3	0.999	200		10/05/01	LMP
Methylene Chloride	<60.0	µg/l	0.3	0.999	200		10/05/01	LMP
Naphthalene	592.	µg/l	0.8	2.66	200		10/05/01	LMP
n-Propylbenzene	212.	µg/l	0.16	0.533	200		10/05/01	LMP
Styrene	<36.0	µg/l	0.18	0.599	200		10/05/01	LMP
Tetrachloroeth(yl)ene	<52.0	µg/l	0.26	0.866	200		10/05/01	LMP
1,1,1,2-Tetrachloroethane	<30.0	µg/l	0.15	0.5	200	SPH	10/05/01	LMP
1,1,2,2-Tetrachloroethane	<56.0	µg/l	0.28	0.932	200	SPH	10/05/01	LMP
Toluene	<80.0	µg/l	0.4	1.33	200		10/05/01	LMP
1,2,3-Trichlorobenzene	<80.0	µg/l	0.4	1.33	200		10/05/01	LMP
1,2,4-Trichlorobenzene	<76.0	µg/l	0.38	1.27	200		10/05/01	LMP
1,1,1-Trichloroethane	<40.0	µg/l	0.2	0.666	200		10/05/01	LMP
1,1,2-Trichloroethane	<40.0	µg/l	0.2	0.666	200		10/05/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.15
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-9** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082422**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<52.0	µg/l	0.26	0.866	200	CSH	10/05/01	LMP
Trichlorofluoromethane	<30.0	µg/l	0.15	0.5	200		10/05/01	LMP
1,2,3-Trichloropropane	<38.0	µg/l	0.19	0.633	200		10/05/01	LMP
1,2,4-Trimethylbenzene	1,500.	µg/l	0.4	1.33	200		10/05/01	LMP
1,3,5-Trimethylbenzene	466.	µg/l	0.17	0.566	200		10/05/01	LMP
Vinyl Chloride	<60.0	µg/l	0.3	0.999	200		10/05/01	LMP
m- & p-Xylene	2,700.	µg/l	0.4	1.33	200		10/05/01	LMP
o-Xylene	<34.0	µg/l	0.17	0.566	200		10/05/01	LMP
WI DNR								
Diesel Range Organics	30,500.	µg/l	33.0	110.	20	D1	10/04/01	LTD
Water Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Gasoline Range Organics	22,100.	µg/l	31.0	103.	100	G8 G6	10/03/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.16
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-10** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082423**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	231.	µg/l	0.16	0.533	100		10/05/01	LMP
Bromobenzene	<24.0	µg/l	0.24	0.799	100		10/05/01	LMP
Bromochloromethane	<14.0	µg/l	0.14	0.466	100		10/05/01	LMP
Bromodichloromethane	<20.0	µg/l	0.2	0.666	100		10/05/01	LMP
Bromoform	<17.0	µg/l	0.17	0.566	100		10/05/01	LMP
Bromomethane	<15.0	µg/l	0.15	0.5	100		10/05/01	LMP
n-Butylbenzene	93.1	µg/l	0.24	0.799	100		10/05/01	LMP
sec-Butylbenzene	84.5	µg/l	0.19	0.633	100		10/05/01	LMP
tert-Butylbenzene	20.0	µg/l	0.18	0.599	100		10/05/01	LMP
Carbon Tetrachloride	<30.0	µg/l	0.3	0.999	100		10/05/01	LMP
Chlorobenzene	<17.0	µg/l	0.17	0.566	100		10/05/01	LMP
Dibromochloromethane	<22.0	µg/l	0.22	0.733	100		10/05/01	LMP
Chloroethane	<25.0	µg/l	0.25	0.833	100		10/05/01	LMP
Chloroform	<24.0	µg/l	0.24	0.799	100		10/05/01	LMP
Chloromethane	<15.0	µg/l	0.15	0.5	100		10/05/01	LMP
2-Chlorotoluene	<24.0	µg/l	0.24	0.799	100		10/05/01	LMP
4-Chlorotoluene	<27.0	µg/l	0.27	0.899	100		10/05/01	LMP
Dibromochloropropane(DBCP)	<15.0	µg/l	0.15	0.5	100		10/05/01	LMP
1,2-Dibromoethane(EDB)	<19.0	µg/l	0.19	0.633	100		10/05/01	LMP
Dibromomethane	<15.0	µg/l	0.15	0.5	100		10/05/01	LMP
1,2-Dichlorobenzene	<36.0	µg/l	0.36	1.2	100		10/05/01	LMP
1,3-Dichlorobenzene	<28.0	µg/l	0.28	0.932	100		10/05/01	LMP
1,4-Dichlorobenzene	<27.0	µg/l	0.27	0.899	100		10/05/01	LMP
Dichlorodifluoromethane	<25.0	µg/l	0.25	0.833	100	CSL	10/05/01	LMP
1,1-Dichloroethane	<38.0	µg/l	0.38	1.27	100		10/05/01	LMP
1,2-Dichloroethane	<28.0	µg/l	0.28	0.932	100		10/05/01	LMP
1,1-Dichloroeth(yl)ene	<38.0	µg/l	0.38	1.27	100		10/05/01	LMP
cis-1,2-Dichloroeth(yl)ene	<25.0	µg/l	0.25	0.833	100		10/05/01	LMP
trans-1,2-Dichloroethylene	<25.0	µg/l	0.25	0.833	100		10/05/01	LMP
1,2-Dichloropropane	<35.0	µg/l	0.35	1.17	100		10/05/01	LMP
1,3-Dichloropropane	<26.0	µg/l	0.26	0.866	100		10/05/01	LMP
2,2-Dichloropropane	<29.0	µg/l	0.29	0.966	100		10/05/01	LMP
1,1-Dichloroprop(yl)ene	<36.0	µg/l	0.36	1.2	100		10/05/01	LMP
t-1,3-Dichloroprop(yl)ene	<18.0	µg/l	0.18	0.599	100		10/05/01	LMP
Ethylbenzene	143.	µg/l	0.5	1.67	100		10/05/01	LMP
Hexachlorobutadiene	<100.	µg/l	1.0	3.33	100		10/05/01	LMP
Isopropylbenzene	81.5	µg/l	0.17	0.566	100		10/05/01	LMP
Isopropyl Ether	<15.0	µg/l	0.15	0.5	100		10/05/01	LMP
p-Isopropyltoluene	60.4	µg/l	0.19	0.633	100		10/05/01	LMP
Methyl t-Butyl Ether(MTBE)	<30.0	µg/l	0.3	0.999	100		10/05/01	LMP
Methylene Chloride	<30.0	µg/l	0.3	0.999	100		10/05/01	LMP
Naphthalene	265.	µg/l	0.8	2.66	100		10/05/01	LMP
n-Propylbenzene	81.1	µg/l	0.16	0.533	100		10/05/01	LMP
Styrene	<18.0	µg/l	0.18	0.599	100		10/05/01	LMP
Tetrachloroeth(yl)ene	<26.0	µg/l	0.26	0.866	100		10/05/01	LMP
1,1,1,2-Tetrachloroethane	<15.0	µg/l	0.15	0.5	100	SPH	10/05/01	LMP
1,1,2,2-Tetrachloroethane	<28.0	µg/l	0.28	0.932	100	SPH	10/05/01	LMP
Toluene	<40.0	µg/l	0.4	1.33	100		10/05/01	LMP
1,2,3-Trichlorobenzene	<40.0	µg/l	0.4	1.33	100		10/05/01	LMP
1,2,4-Trichlorobenzene	<38.0	µg/l	0.38	1.27	100		10/05/01	LMP
1,1,1-Trichloroethane	<20.0	µg/l	0.2	0.666	100		10/05/01	LMP
1,1,2-Trichloroethane	<20.0	µg/l	0.2	0.666	100		10/05/01	LMP

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
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3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.17
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-10** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082423**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<26.0	µg/l	0.26	0.866	100	CSH	10/05/01	LMP
Trichlorofluoromethane	<15.0	µg/l	0.15	0.5	100		10/05/01	LMP
1,2,3-Trichloropropane	<19.0	µg/l	0.19	0.633	100		10/05/01	LMP
1,2,4-Trimethylbenzene	563.	µg/l	0.4	1.33	100		10/05/01	LMP
1,3,5-Trimethylbenzene	202.	µg/l	0.17	0.566	100		10/05/01	LMP
Vinyl Chloride	<30.0	µg/l	0.3	0.999	100		10/05/01	LMP
m- & p-Xylene	779.	µg/l	0.4	1.33	100		10/05/01	LMP
o-Xylene	<17.0	µg/l	0.17	0.566	100		10/05/01	LMP
WI DNR								
Diesel Range Organics	15,900.	µg/l	33.0	110.	10	D1	10/04/01	LTD
Water Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Gasoline Range Organics	7,190.	µg/l	31.0	103.	100	G8 G5	10/03/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.18
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-11** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082424**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	0.188	µg/l	0.16	0.533	1	J	10/05/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		10/05/01	LMP
Bromochloromethane	<0.14	µg/l	0.14	0.466	1		10/05/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		10/05/01	LMP
Bromoform	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
Bromomethane	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1		10/05/01	LMP
sec-Butylbenzene	<0.19	µg/l	0.19	0.633	1		10/05/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		10/05/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		10/05/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		10/05/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		10/05/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		10/05/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		10/05/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		10/05/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		10/05/01	LMP
Dibromomethane	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		10/05/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		10/05/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		10/05/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	10/05/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		10/05/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1		10/05/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		10/05/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		10/05/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		10/05/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		10/05/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1		10/05/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		10/05/01	LMP
1,1-Dichloroprop(yl)ene	<0.36	µg/l	0.36	1.2	1		10/05/01	LMP
t-1,3-Dichloroprop(yl)ene	<0.18	µg/l	0.18	0.599	1		10/05/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		10/05/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		10/05/01	LMP
Isopropylbenzene	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		10/05/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		10/05/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		10/05/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		10/05/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		10/05/01	LMP
Styrene	<0.18	µg/l	0.18	0.599	1		10/05/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		10/05/01	LMP
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1	SPH	10/05/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1	SPH	10/05/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		10/05/01	LMP
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		10/05/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		10/05/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1		10/05/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		10/05/01	LMP

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Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO.: 082417.19
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-11** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082424**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1	CSH	10/05/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		10/05/01	LMP
1,2,3-Trichloropropane	<0.19	µg/l	0.19	0.633	1		10/05/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		10/05/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		10/05/01	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		10/05/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		10/05/01	LMP
WI DNR								
Diesel Range Organics	1,430.	µg/l	33.0	110.	1	D3 D5 SL	10/05/01	LTD
Water Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		10/03/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.20
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-13** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082425**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	0.835	µg/l	0.16	0.533	5		10/05/01	LMP
Bromobenzene	<1.20	µg/l	0.24	0.799	5		10/05/01	LMP
Bromochloromethane	<0.7	µg/l	0.14	0.466	5		10/05/01	LMP
Bromodichloromethane	<1.00	µg/l	0.2	0.666	5		10/05/01	LMP
Bromoform	<0.85	µg/l	0.17	0.566	5		10/05/01	LMP
Bromomethane	<0.75	µg/l	0.15	0.5	5		10/05/01	LMP
n-Butylbenzene	9.94	µg/l	0.24	0.799	5		10/05/01	LMP
sec-Butylbenzene	5.86	µg/l	0.19	0.633	5		10/05/01	LMP
tert-Butylbenzene	1.69	µg/l	0.18	0.599	5		10/05/01	LMP
Carbon Tetrachloride	<1.50	µg/l	0.3	0.999	5		10/05/01	LMP
Chlorobenzene	<0.85	µg/l	0.17	0.566	5		10/05/01	LMP
Dibromochloromethane	<1.10	µg/l	0.22	0.733	5		10/05/01	LMP
Chloroethane	<1.25	µg/l	0.25	0.833	5		10/05/01	LMP
Chloroform	<1.20	µg/l	0.24	0.799	5		10/05/01	LMP
Chloromethane	<0.75	µg/l	0.15	0.5	5		10/05/01	LMP
2-Chlorotoluene	<1.20	µg/l	0.24	0.799	5		10/05/01	LMP
4-Chlorotoluene	<1.35	µg/l	0.27	0.899	5		10/05/01	LMP
Dibromochloropropane(DBCP)	<0.75	µg/l	0.15	0.5	5		10/05/01	LMP
1,2-Dibromoethane(EDB)	<0.95	µg/l	0.19	0.633	5		10/05/01	LMP
Dibromomethane	<0.75	µg/l	0.15	0.5	5		10/05/01	LMP
1,2-Dichlorobenzene	<1.80	µg/l	0.36	1.2	5		10/05/01	LMP
1,3-Dichlorobenzene	<1.40	µg/l	0.28	0.932	5		10/05/01	LMP
1,4-Dichlorobenzene	<1.35	µg/l	0.27	0.899	5		10/05/01	LMP
Dichlorodifluoromethane	<1.25	µg/l	0.25	0.833	5	CSL	10/05/01	LMP
1,1-Dichloroethane	<1.90	µg/l	0.38	1.27	5		10/05/01	LMP
1,2-Dichloroethane	<1.40	µg/l	0.28	0.932	5		10/05/01	LMP
1,1-Dichloroeth(yl)ene	<1.90	µg/l	0.38	1.27	5		10/05/01	LMP
cis-1,2-Dichloroeth(yl)ene	<1.25	µg/l	0.25	0.833	5		10/05/01	LMP
trans-1,2-Dichloroethylene	<1.25	µg/l	0.25	0.833	5		10/05/01	LMP
1,2-Dichloropropane	<1.75	µg/l	0.35	1.17	5		10/05/01	LMP
1,3-Dichloropropane	<1.30	µg/l	0.26	0.866	5		10/05/01	LMP
2,2-Dichloropropane	<1.45	µg/l	0.29	0.966	5		10/05/01	LMP
1,1-Dichloroprop(yl)ene	<1.80	µg/l	0.36	1.2	5		10/05/01	LMP
t-1,3-Dichloroprop(yl)ene	<0.9	µg/l	0.18	0.599	5		10/05/01	LMP
Ethylbenzene	<2.50	µg/l	0.5	1.67	5		10/05/01	LMP
Hexachlorobutadiene	<5.00	µg/l	1.0	3.33	5		10/05/01	LMP
Isopropylbenzene	2.45	µg/l	0.17	0.566	5		10/05/01	LMP
Isopropyl Ether	<0.75	µg/l	0.15	0.5	5		10/05/01	LMP
p-Isopropyltoluene	144.	µg/l	0.19	0.633	5		10/05/01	LMP
Methyl t-Butyl Ether(MTBE)	<1.50	µg/l	0.3	0.999	5		10/05/01	LMP
Methylene Chloride	<1.50	µg/l	0.3	0.999	5		10/05/01	LMP
Naphthalene	5.34	µg/l	0.8	2.66	5		10/05/01	LMP
n-Propylbenzene	5.83	µg/l	0.16	0.533	5		10/05/01	LMP
Styrene	<0.9	µg/l	0.18	0.599	5		10/05/01	LMP
Tetrachloroeth(yl)ene	<1.30	µg/l	0.26	0.866	5		10/05/01	LMP
1,1,1,2-Tetrachloroethane	<0.75	µg/l	0.15	0.5	5	SPH	10/05/01	LMP
1,1,2,2-Tetrachloroethane	<1.40	µg/l	0.28	0.932	5	SPH	10/05/01	LMP
Toluene	<2.00	µg/l	0.4	1.33	5		10/05/01	LMP
1,2,3-Trichlorobenzene	<2.00	µg/l	0.4	1.33	5		10/05/01	LMP
1,2,4-Trichlorobenzene	<1.90	µg/l	0.38	1.27	5		10/05/01	LMP
1,1,1-Trichloroethane	<1.00	µg/l	0.2	0.666	5		10/05/01	LMP
1,1,2-Trichloroethane	<1.00	µg/l	0.2	0.666	5		10/05/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.21
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-13** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082425**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<1.30	µg/l	0.26	0.866	5	CSH	10/05/01	LMP
Trichlorofluoromethane	<0.75	µg/l	0.15	0.5	5		10/05/01	LMP
1,2,3-Trichloropropane	<0.95	µg/l	0.19	0.633	5		10/05/01	LMP
1,2,4-Trimethylbenzene	23.2	µg/l	0.4	1.33	5		10/05/01	LMP
1,3,5-Trimethylbenzene	<0.85	µg/l	0.17	0.566	5		10/05/01	LMP
Vinyl Chloride	<1.50	µg/l	0.3	0.999	5		10/05/01	LMP
m- & p-Xylene	7.27	µg/l	0.4	1.33	5		10/05/01	LMP
o-Xylene	<0.85	µg/l	0.17	0.566	5		10/05/01	LMP
WI DNR								
Diesel Range Organics	53,300.	µg/l	33.0	110.	10	D1 D5	10/03/01	LTD
Water Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Gasoline Range Organics	319.	µg/l	31.0	103.	1	G2 G6	10/03/01	LMP

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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PROJECT NO.: 26788XF
REPORT NO. : 082417.22
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-14** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082426**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<1.60	µg/l	0.16	0.533	10		10/05/01	LMP
Bromobenzene	<2.40	µg/l	0.24	0.799	10		10/05/01	LMP
Bromochloromethane	<1.40	µg/l	0.14	0.466	10		10/05/01	LMP
Bromodichloromethane	<2.00	µg/l	0.2	0.666	10		10/05/01	LMP
Bromoform	<1.70	µg/l	0.17	0.566	10		10/05/01	LMP
Bromomethane	<1.50	µg/l	0.15	0.5	10	CSL	10/05/01	LMP
n-Butylbenzene	<2.40	µg/l	0.24	0.799	10		10/05/01	LMP
sec-Butylbenzene	2.60	µg/l	0.19	0.633	10		10/05/01	LMP
tert-Butylbenzene	<1.80	µg/l	0.18	0.599	10		10/05/01	LMP
Carbon Tetrachloride	<3.00	µg/l	0.3	0.999	10	CSH	10/05/01	LMP
Chlorobenzene	<1.70	µg/l	0.17	0.566	10		10/05/01	LMP
Dibromochloromethane	<2.20	µg/l	0.22	0.733	10		10/05/01	LMP
Chloroethane	<2.50	µg/l	0.25	0.833	10	CSL	10/05/01	LMP
Chloroform	<2.40	µg/l	0.24	0.799	10	CSH	10/05/01	LMP
Chloromethane	<1.50	µg/l	0.15	0.5	10		10/05/01	LMP
2-Chlorotoluene	<2.40	µg/l	0.24	0.799	10		10/05/01	LMP
4-Chlorotoluene	<2.70	µg/l	0.27	0.899	10		10/05/01	LMP
Dibromochloropropane(DBCP)	<1.50	µg/l	0.15	0.5	10		10/05/01	LMP
1,2-Dibromoethane(EDB)	<1.90	µg/l	0.19	0.633	10	CSH	10/05/01	LMP
Dibromomethane	<1.50	µg/l	0.15	0.5	10		10/05/01	LMP
1,2-Dichlorobenzene	<3.60	µg/l	0.36	1.2	10		10/05/01	LMP
1,3-Dichlorobenzene	<2.80	µg/l	0.28	0.932	10		10/05/01	LMP
1,4-Dichlorobenzene	<2.70	µg/l	0.27	0.899	10		10/05/01	LMP
Dichlorodifluoromethane	<2.50	µg/l	0.25	0.833	10		10/05/01	LMP
1,1-Dichloroethane	<3.80	µg/l	0.38	1.27	10	CSH	10/05/01	LMP
1,2-Dichloroethane	<2.80	µg/l	0.28	0.932	10		10/05/01	LMP
1,1-Dichloroeth(yl)ene	<3.80	µg/l	0.38	1.27	10		10/05/01	LMP
cis-1,2-Dichloroeth(yl)ene	<2.50	µg/l	0.25	0.833	10		10/05/01	LMP
trans-1,2-Dichloroethylene	<2.50	µg/l	0.25	0.833	10		10/05/01	LMP
1,2-Dichloropropane	<3.50	µg/l	0.35	1.17	10		10/05/01	LMP
1,3-Dichloropropane	<2.60	µg/l	0.26	0.866	10		10/05/01	LMP
2,2-Dichloropropane	<2.90	µg/l	0.29	0.966	10		10/05/01	LMP
1,1-Dichloroprop(yl)ene	<3.60	µg/l	0.36	1.2	10		10/05/01	LMP
t-1,3-Dichloroprop(yl)ene	<1.80	µg/l	0.18	0.599	10		10/05/01	LMP
Ethylbenzene	<5.00	µg/l	0.5	1.67	10		10/05/01	LMP
Hexachlorobutadiene	<10.0	µg/l	1.0	3.33	10		10/05/01	LMP
Isopropylbenzene	3.27	µg/l	0.17	0.566	10		10/05/01	LMP
Isopropyl Ether	<1.50	µg/l	0.15	0.5	10		10/05/01	LMP
p-Isopropyltoluene	2.82	µg/l	0.19	0.633	10		10/05/01	LMP
Methyl t-Butyl Ether(MTBE)	<3.00	µg/l	0.3	0.999	10		10/05/01	LMP
Methylene Chloride	<3.00	µg/l	0.3	0.999	10		10/05/01	LMP
Naphthalene	<8.00	µg/l	0.8	2.66	10		10/05/01	LMP
n-Propylbenzene	4.76	µg/l	0.16	0.533	10		10/05/01	LMP
Styrene	<1.80	µg/l	0.18	0.599	10		10/05/01	LMP
Tetrachloroeth(yl)ene	<2.60	µg/l	0.26	0.866	10		10/05/01	LMP
1,1,1,2-Tetrachloroethane	<1.50	µg/l	0.15	0.5	10	CSH SPH	10/05/01	LMP
1,1,2,2-Tetrachloroethane	<2.80	µg/l	0.28	0.932	10	SPH	10/05/01	LMP
Toluene	<4.00	µg/l	0.4	1.33	10		10/05/01	LMP
1,2,3-Trichlorobenzene	<4.00	µg/l	0.4	1.33	10		10/05/01	LMP
1,2,4-Trichlorobenzene	<3.80	µg/l	0.38	1.27	10		10/05/01	LMP
1,1,1-Trichloroethane	<2.00	µg/l	0.2	0.666	10	CSH	10/05/01	LMP
1,1,2-Trichloroethane	<2.00	µg/l	0.2	0.666	10		10/05/01	LMP

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.23
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-14** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082426**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<2.60	µg/l	0.26	0.866	10		10/05/01	LMP
Trichlorofluoromethane	<1.50	µg/l	0.15	0.5	10		10/05/01	LMP
1,2,3-Trichloropropane	<1.90	µg/l	0.19	0.633	10		10/05/01	LMP
1,2,4-Trimethylbenzene	38.0	µg/l	0.4	1.33	10		10/05/01	LMP
1,3,5-Trimethylbenzene	9.50	µg/l	0.17	0.566	10		10/05/01	LMP
Vinyl Chloride	<3.00	µg/l	0.3	0.999	10		10/05/01	LMP
m- & p-Xylene	107.	µg/l	0.4	1.33	10		10/05/01	LMP
o-Xylene	<1.70	µg/l	0.17	0.566	10		10/05/01	LMP
WI DNR								
Diesel Range Organics	4,640.	µg/l	33.0	110.	1	D2A D5	10/03/01	LTD
Water Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Gasoline Range Organics	200.	µg/l	31.0	103.	1	G2	10/03/01	LMP

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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ROTHSCHILD, WI 54474

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Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.24
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **DUP-1** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082427**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	196.	µg/l	0.16	0.533	200		10/06/01	LMP
Bromobenzene	<48.0	µg/l	0.24	0.799	200		10/06/01	LMP
Bromochloromethane	<28.0	µg/l	0.14	0.466	200		10/06/01	LMP
Bromodichloromethane	<40.0	µg/l	0.2	0.666	200		10/06/01	LMP
Bromoform	<34.0	µg/l	0.17	0.566	200		10/06/01	LMP
Bromomethane	<30.0	µg/l	0.15	0.5	200	CSL	10/06/01	LMP
n-Butylbenzene	127.	µg/l	0.24	0.799	200		10/06/01	LMP
sec-Butylbenzene	119.	µg/l	0.19	0.633	200		10/06/01	LMP
tert-Butylbenzene	<36.0	µg/l	0.18	0.599	200		10/06/01	LMP
Carbon Tetrachloride	<60.0	µg/l	0.3	0.999	200	CSH	10/06/01	LMP
Chlorobenzene	<34.0	µg/l	0.17	0.566	200		10/06/01	LMP
Dibromochloromethane	<44.0	µg/l	0.22	0.733	200		10/06/01	LMP
Chloroethane	<50.0	µg/l	0.25	0.833	200	CSL	10/06/01	LMP
Chloroform	<48.0	µg/l	0.24	0.799	200	CSH	10/06/01	LMP
Chloromethane	<30.0	µg/l	0.15	0.5	200		10/06/01	LMP
2-Chlorotoluene	<48.0	µg/l	0.24	0.799	200		10/06/01	LMP
4-Chlorotoluene	<54.0	µg/l	0.27	0.899	200		10/06/01	LMP
Dibromochloropropane(DBCP)	<30.0	µg/l	0.15	0.5	200		10/06/01	LMP
1,2-Dibromoethane(EDB)	<38.0	µg/l	0.19	0.633	200	CSH	10/06/01	LMP
Dibromomethane	<30.0	µg/l	0.15	0.5	200		10/06/01	LMP
1,2-Dichlorobenzene	<72.0	µg/l	0.36	1.2	200		10/06/01	LMP
1,3-Dichlorobenzene	<56.0	µg/l	0.28	0.932	200		10/06/01	LMP
1,4-Dichlorobenzene	<54.0	µg/l	0.27	0.899	200		10/06/01	LMP
Dichlorodifluoromethane	<50.0	µg/l	0.25	0.833	200		10/06/01	LMP
1,1-Dichloroethane	<76.0	µg/l	0.38	1.27	200	CSH	10/06/01	LMP
1,2-Dichloroethane	<56.0	µg/l	0.28	0.932	200		10/06/01	LMP
1,1-Dichloroeth(yl)ene	<76.0	µg/l	0.38	1.27	200		10/06/01	LMP
cis-1,2-Dichloroeth(yl)ene	<50.0	µg/l	0.25	0.833	200		10/06/01	LMP
trans-1,2-Dichloroethylene	<50.0	µg/l	0.25	0.833	200		10/06/01	LMP
1,2-Dichloropropane	<70.0	µg/l	0.35	1.17	200		10/06/01	LMP
1,3-Dichloropropane	<52.0	µg/l	0.26	0.866	200		10/06/01	LMP
2,2-Dichloropropane	<58.0	µg/l	0.29	0.966	200		10/06/01	LMP
1,1-Dichloroprop(yl)ene	<72.0	µg/l	0.36	1.2	200		10/06/01	LMP
t-1,3-Dichloroprop(yl)ene	<36.0	µg/l	0.18	0.599	200		10/06/01	LMP
Ethylbenzene	427.	µg/l	0.5	1.67	200		10/06/01	LMP
Hexachlorobutadiene	<200.	µg/l	1.0	3.33	200		10/06/01	LMP
Isopropylbenzene	59.4	µg/l	0.17	0.566	200		10/06/01	LMP
Isopropyl Ether	<30.0	µg/l	0.15	0.5	200		10/06/01	LMP
p-Isopropyltoluene	129.	µg/l	0.19	0.633	200		10/06/01	LMP
Methyl t-Butyl Ether(MTBE)	<60.0	µg/l	0.3	0.999	200		10/06/01	LMP
Methylene Chloride	<60.0	µg/l	0.3	0.999	200		10/06/01	LMP
Naphthalene	365.	µg/l	0.8	2.66	200		10/06/01	LMP
n-Propylbenzene	141.	µg/l	0.16	0.533	200		10/06/01	LMP
Styrene	<36.0	µg/l	0.18	0.599	200		10/06/01	LMP
Tetrachloroeth(yl)ene	<52.0	µg/l	0.26	0.866	200		10/06/01	LMP
1,1,1,2-Tetrachloroethane	<30.0	µg/l	0.15	0.5	200	CSH SPH	10/06/01	LMP
1,1,2,2-Tetrachloroethane	<56.0	µg/l	0.28	0.932	200	SPH	10/06/01	LMP
Toluene	<80.0	µg/l	0.4	1.33	200		10/06/01	LMP
1,2,3-Trichlorobenzene	<80.0	µg/l	0.4	1.33	200		10/06/01	LMP
1,2,4-Trichlorobenzene	<76.0	µg/l	0.38	1.27	200		10/06/01	LMP
1,1,1-Trichloroethane	<40.0	µg/l	0.2	0.666	200	CSH	10/06/01	LMP
1,1,2-Trichloroethane	<40.0	µg/l	0.2	0.666	200		10/06/01	LMP

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.25
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **DUP-1** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082427**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<52.0	µg/l	0.26	0.866	200		10/06/01	LMP
Trichlorofluoromethane	<30.0	µg/l	0.15	0.5	200		10/06/01	LMP
1,2,3-Trichloropropane	<38.0	µg/l	0.19	0.633	200		10/06/01	LMP
1,2,4-Trimethylbenzene	984.	µg/l	0.4	1.33	200		10/06/01	LMP
1,3,5-Trimethylbenzene	308.	µg/l	0.17	0.566	200		10/06/01	LMP
Vinyl Chloride	<60.0	µg/l	0.3	0.999	200		10/06/01	LMP
m- & p-Xylene	1,790.	µg/l	0.4	1.33	200		10/06/01	LMP
o-Xylene	<34.0	µg/l	0.17	0.566	200		10/06/01	LMP
WI DNR								
Diesel Range Organics	25,100.	µg/l	33.0	110.	20	D1	10/05/01	LTD
Water Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Gasoline Range Organics	14,900.	µg/l	31.0	103.	100	G8 G6	10/03/01	LMP

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.26
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **FB-1** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082428**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		10/06/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		10/06/01	LMP
Bromochloromethane	<0.14	µg/l	0.14	0.466	1		10/06/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		10/06/01	LMP
Bromoform	<0.17	µg/l	0.17	0.566	1		10/06/01	LMP
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	10/06/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1		10/06/01	LMP
sec-Butylbenzene	<0.19	µg/l	0.19	0.633	1		10/06/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		10/06/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1	CSH	10/06/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		10/06/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		10/06/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1	CSL	10/06/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1	CSH	10/06/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		10/06/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		10/06/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		10/06/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1		10/06/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1	CSH	10/06/01	LMP
Dibromomethane	<0.15	µg/l	0.15	0.5	1		10/06/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		10/06/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		10/06/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		10/06/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1		10/06/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1	CSH	10/06/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1		10/06/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		10/06/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		10/06/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		10/06/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		10/06/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1		10/06/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		10/06/01	LMP
1,1-Dichloroprop(yl)ene	<0.36	µg/l	0.36	1.2	1		10/06/01	LMP
t-1,3-Dichloroprop(yl)ene	<0.18	µg/l	0.18	0.599	1		10/06/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		10/06/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		10/06/01	LMP
Isopropylbenzene	<0.17	µg/l	0.17	0.566	1		10/06/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		10/06/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		10/06/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		10/06/01	LMP
Methylene Chloride	0.564	µg/l	0.3	0.999	1	J	10/06/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		10/06/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		10/06/01	LMP
Styrene	<0.18	µg/l	0.18	0.599	1		10/06/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		10/06/01	LMP
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1	CSH SPH	10/06/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1	SPH	10/06/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		10/06/01	LMP
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		10/06/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		10/06/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1	CSH	10/06/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		10/06/01	LMP

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STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.27
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **FB-1** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082428**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		10/06/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		10/06/01	LMP
1,2,3-Trichloropropane	<0.19	µg/l	0.19	0.633	1		10/06/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		10/06/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		10/06/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		10/06/01	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		10/06/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		10/06/01	LMP
WI DNR								
Diesel Range Organics	<100.	µg/l	33.0	110.	1		10/03/01	LTD
Water Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		10/03/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.28
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **TRIP BLANK-USF** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082429**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		10/06/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		10/06/01	LMP
Bromochloromethane	<0.14	µg/l	0.14	0.466	1		10/06/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		10/06/01	LMP
Bromoform	<0.17	µg/l	0.17	0.566	1		10/06/01	LMP
Bromomethane	<0.15	µg/l	0.15	0.5	1	CSL	10/06/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1		10/06/01	LMP
sec-Butylbenzene	<0.19	µg/l	0.19	0.633	1		10/06/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		10/06/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1	CSH	10/06/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		10/06/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		10/06/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1	CSL	10/06/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1	CSH	10/06/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		10/06/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		10/06/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		10/06/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1		10/06/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1	CSH	10/06/01	LMP
Dibromomethane	<0.15	µg/l	0.15	0.5	1		10/06/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		10/06/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		10/06/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		10/06/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1		10/06/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1	CSH	10/06/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1		10/06/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		10/06/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		10/06/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		10/06/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		10/06/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1		10/06/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		10/06/01	LMP
1,1-Dichloroprop(yl)ene	<0.36	µg/l	0.36	1.2	1		10/06/01	LMP
t-1,3-Dichloroprop(yl)ene	<0.18	µg/l	0.18	0.599	1		10/06/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		10/06/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		10/06/01	LMP
Isopropylbenzene	<0.17	µg/l	0.17	0.566	1		10/06/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		10/06/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		10/06/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		10/06/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		10/06/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		10/06/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		10/06/01	LMP
Styrene	<0.18	µg/l	0.18	0.599	1		10/06/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		10/06/01	LMP
1,1,1,2-Tetrachloroethane	<0.15	µg/l	0.15	0.5	1	CSH SPH	10/06/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1	SPH	10/06/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		10/06/01	LMP
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		10/06/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		10/06/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1	CSH	10/06/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		10/06/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.29
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **TRIP BLANK-USF** Matrix: **WATER** Sample Date/Time: **09/26/01** Lab No. **082429**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		10/06/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		10/06/01	LMP
1,2,3-Trichloropropane	<0.19	µg/l	0.19	0.633	1		10/06/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		10/06/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		10/06/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		10/06/01	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		10/06/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		10/06/01	LMP
WI DNR								
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		10/03/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.30
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-1 1** Matrix: **SOIL** Sample Date/Time: **09/26/01** Lab No. **082430**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	93.6	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		09/28/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		09/28/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		09/28/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		09/28/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
WI DNR								
Soil Diesel Range Organics	33.1	mg/kg	2.15	7.16	1	LCH D2 D5	10/04/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	<5.34	mg/kg	2.0	6.66	1		09/28/01	LMP

Sample ID: **B-1 2** Matrix: **SOIL** Sample Date/Time: **09/26/01** Lab No. **082431**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	75.0	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1.1		09/28/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1.1		09/28/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1.1		09/28/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1.1		09/28/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1.1		09/28/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1.1		09/28/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1.1		09/28/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1.1		09/28/01	LMP
WI DNR								
Soil Diesel Range Organics	247.	mg/kg	2.15	7.16	1	LCH D3 D5	10/02/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	<6.67	mg/kg	2.0	6.66	1.1		09/28/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.31
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-2 1 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082432

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	89.2	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		09/28/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		09/28/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		09/28/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		09/28/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
WI DNR								
Soil Diesel Range Organics	17.6	mg/kg	2.15	7.16	1	LCH D2 D5	10/04/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	<5.61	mg/kg	2.0	6.66	1		09/28/01	LMP

Sample ID: B-2 2 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082433

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	85.4	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		09/28/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		09/28/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		09/28/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		09/28/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
WI DNR								
Soil Diesel Range Organics	10.2	mg/kg	2.15	7.16	1	LCH D3 D5	10/02/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	<5.85	mg/kg	2.0	6.66	1		09/28/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.32
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-4 1 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082434

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	80.4	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		09/28/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		09/28/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		09/28/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		09/28/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
WI DNR								
Soil Diesel Range Organics	220.	mg/kg	2.15	7.16	1	LCH D1 D2B D5	10/02/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	<6.22	mg/kg	2.0	6.66	1		09/28/01	LMP

Sample ID: B-4 2 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082435

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	28.5	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		10/04/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		10/04/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		10/04/01	LMP
Toluene	0.143	mg/kg	0.007	0.0233	1		10/04/01	LMP
1,2,4-Trimethylbenzene	11.0	mg/kg	0.012	0.04	1		10/04/01	LMP
1,3,5-Trimethylbenzene	5.59	mg/kg	0.01	0.0333	1		10/04/01	LMP
m- & p-Xylene	1.00	mg/kg	0.015	0.05	1		10/04/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		10/04/01	LMP
WI DNR								
Soil Diesel Range Organics	13,000.	mg/kg	2.15	7.16	100	LCH D1	10/04/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	336.	mg/kg	2.0	6.66	52.1	G3 G6	09/28/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.33
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-5 1 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082436

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	80.7	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		09/28/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		09/28/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		09/28/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		09/28/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
WI DNR								
Soil Diesel Range Organics	322.	mg/kg	2.15	7.16	10	LCH D2B D5	10/04/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	<6.20	mg/kg	2.0	6.66	1		09/28/01	LMP

Sample ID: B-5 2 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082437

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	41.9	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		09/28/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		09/28/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		09/28/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		09/28/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
WI DNR								
Soil Diesel Range Organics	730.	mg/kg	2.15	7.16	10	LCH D2B D5	10/03/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	<11.9	mg/kg	2.0	6.66	1		09/28/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.34
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **MEOH BLANK-USF** Matrix: **SOIL** Sample Date/Time: **09/26/01** Lab No. **082438**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
Bromobenzene	<0.025	mg/l	0.007	0.0233	1		10/12/01	LMP
Bromodichloromethane	<0.025	mg/l	0.006	0.02	1		10/12/01	LMP
n-Butylbenzene	<0.025	mg/l	0.012	0.04	1		10/12/01	LMP
sec-Butylbenzene	<0.025	mg/l	0.01	0.0333	1		10/12/01	LMP
tert-Butylbenzene	<0.025	mg/l	0.01	0.0333	1		10/12/01	LMP
Carbon Tetrachloride	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
Chlorobenzene	<0.025	mg/l	0.007	0.0233	1		10/12/01	LMP
Chlorodibromomethane	<0.025	mg/l	0.02	0.0666	1		10/12/01	LMP
Chloroethane	<0.025	mg/l	0.09	0.3	1		10/12/01	LMP
Chloroform	<0.025	mg/l	0.01	0.0333	1		10/12/01	LMP
Chloromethane	<0.025	mg/l	0.01	0.0333	1		10/12/01	LMP
2-Chlorotoluene	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
4-Chlorotoluene	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
1,2-Dibromo-3-chloropropane	<0.025	mg/l	0.009	0.03	1		10/12/01	LMP
1,2-Dibromoethane	<0.025	mg/l	0.012	0.04	1		10/12/01	LMP
1,2-Dichlorobenzene	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
1,3-Dichlorobenzene	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
1,4-Dichlorobenzene	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
Dichlorodifluoromethane	<0.025	mg/l	0.014	0.0466	1	LCL DUP	10/12/01	LMP
1,1-Dichloroethane	<0.025	mg/l	0.009	0.03	1	CSH	10/12/01	LMP
1,2-Dichloroethane	<0.025	mg/l	0.005	0.0167	1		10/12/01	LMP
1,1-Dichloroethylene	<0.025	mg/l	0.016	0.0533	1		10/12/01	LMP
cis-1,2-Dichloroethylene	<0.025	mg/l	0.007	0.0233	1	CSH	10/12/01	LMP
trans-1,2-Dichloroethylene	<0.025	mg/l	0.01	0.0333	1		10/12/01	LMP
1,2-Dichloropropane	<0.025	mg/l	0.007	0.0233	1	CSH	10/12/01	LMP
1,3-Dichloropropane	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
2,2-Dichloropropane	<0.025	mg/l	0.008	0.0266	1	CSH LCH DUP	10/12/01	LMP
Ethylbenzene	<0.025	mg/l	0.007	0.0233	1		10/12/01	LMP
Hexachlorobutadiene	<0.025	mg/l	0.015	0.05	1		10/12/01	LMP
Isopropylbenzene	<0.025	mg/l	0.009	0.03	1		10/12/01	LMP
Isopropyl Ether	<0.025	mg/l	0.014	0.0466	1		10/12/01	LMP
p-Isopropyltoluene	<0.025	mg/l	0.011	0.0366	1		10/12/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/l	0.018	0.0599	1	CSH LCH	10/12/01	LMP
Methylene Chloride	<0.025	mg/l	0.014	0.0466	1		10/12/01	LMP
Naphthalene	<0.025	mg/l	0.01	0.0333	1		10/12/01	LMP
n-Propylbenzene	<0.025	mg/l	0.009	0.03	1		10/12/01	LMP
Tetrachloroethylene	<0.025	mg/l	0.009	0.03	1		10/12/01	LMP
1,1,2,2-Tetrachloroethane	<0.025	mg/l	0.006	0.02	1	CSH LCH DUP	10/12/01	LMP
Toluene	<0.025	mg/l	0.007	0.0233	1		10/12/01	LMP
1,2,3-Trichlorobenzene	<0.025	mg/l	0.014	0.0466	1		10/12/01	LMP
1,2,4-Trichlorobenzene	<0.025	mg/l	0.014	0.0466	1		10/12/01	LMP
1,1,1-Trichloroethane	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
1,1,2-Trichloroethane	<0.025	mg/l	0.006	0.02	1		10/12/01	LMP
Trichloroethylene	<0.025	mg/l	0.011	0.0366	1		10/12/01	LMP
Trichlorofluoromethane	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/l	0.012	0.04	1		10/12/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/l	0.01	0.0333	1		10/12/01	LMP
Vinyl Chloride	<0.025	mg/l	0.018	0.0599	1	CSL	10/12/01	LMP
m- & p-Xylene	<0.025	mg/l	0.015	0.05	1		10/12/01	LMP
o-Xylene	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
Bromochloromethane	<0.025	mg/l	0.006	0.02	1		10/12/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.35
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **MEOH BLANK-USF** Matrix: **SOIL** Sample Date/Time: **09/26/01** Lab No. **082438**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Bromoform	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
Bromomethane	<0.025	mg/l	0.009	0.03	1	CSL	10/12/01	LMP
Dibromomethane	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
1,1-Dichloropropene	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
trans-1,3-dichloroprop(yl)e	<0.025	mg/l	0.008	0.0266	1		10/12/01	LMP
Styrene	<0.025	mg/l	0.007	0.0233	1		10/12/01	LMP
1,1,1,2-Tetrachloroethane	<0.025	mg/l	0.009	0.03	1		10/12/01	LMP
1,2,3-Trichloropropane	<0.025	mg/l	0.007	0.0233	1		10/12/01	LMP
cis-1,3-Dichloroprop(yl)ene	<0.025	mg/l	0.007	0.0233	1		10/12/01	LMP
WI DNR								
Soil Gasoline Range Organic	<2.50	mg/l	2.0	6.66	1		10/04/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 082417.36
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-6 1** Matrix: **SOIL** Sample Date/Time: **09/26/01** Lab No. **082439**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	93.1	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		09/28/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		09/28/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		09/28/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		09/28/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
WI DNR								
Soil Diesel Range Organics	75.5	mg/kg	2.15	7.16	1	LCH D2B D5	10/03/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	<5.37	mg/kg	2.0	6.66	1		09/28/01	LMP

Sample ID: **B-6 2** Matrix: **SOIL** Sample Date/Time: **09/26/01** Lab No. **082440**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	54.9	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		09/28/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		09/28/01	LMP
1,2,4-Trimethylbenzene	6.67	mg/kg	0.012	0.04	1		09/28/01	LMP
1,3,5-Trimethylbenzene	2.69	mg/kg	0.01	0.0333	1		09/28/01	LMP
m- & p-Xylene	1.13	mg/kg	0.015	0.05	1		09/28/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		09/28/01	LMP
WI DNR								
Soil Diesel Range Organics	1,340.	mg/kg	2.15	7.16	10	LCH D1 D5	10/04/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	173.	mg/kg	2.0	6.66	1	G3 G6	09/28/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.37
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-7 1 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082441

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	94.7	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		09/29/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		09/29/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		09/29/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		09/29/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		09/29/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		09/29/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		09/29/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		09/29/01	LMP
WI DNR								
Soil Diesel Range Organics	7.07	mg/kg	2.15	7.16	1	LCH D2 D5	10/04/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	<5.28	mg/kg	2.0	6.66	1		09/29/01	LMP

Sample ID: B-7 2 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082442

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	97.2	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		09/29/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		09/29/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		09/29/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		09/29/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		09/29/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		09/29/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		09/29/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		09/29/01	LMP
WI DNR								
Soil Diesel Range Organics	<5.14	mg/kg	2.15	7.16	1	LCH	10/03/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	<5.14	mg/kg	2.0	6.66	1		09/29/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.38
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-11 1** Matrix: **SOIL** Sample Date/Time: **09/26/01** Lab No. **082443**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	90.9	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		09/29/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		09/29/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		09/29/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		09/29/01	LMP
1,2,4-Trimethylbenzene	0.0493	mg/kg	0.012	0.04	1		09/29/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		09/29/01	LMP
m- & p-Xylene	0.0326	mg/kg	0.015	0.05	1		09/29/01	LMP
o-Xylene	0.0284	mg/kg	0.008	0.0266	1		09/29/01	LMP
WI DNR								
Soil Diesel Range Organics	83.4	mg/kg	2.15	7.16	1	LCH D1 D2B D5	10/04/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	<5.50	mg/kg	2.0	6.66	1		09/29/01	LMP

Sample ID: **B-11 2** Matrix: **SOIL** Sample Date/Time: **09/26/01** Lab No. **082444**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	61.1	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		09/29/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		09/29/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		09/29/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		09/29/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		09/29/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		09/29/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		09/29/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		09/29/01	LMP
WI DNR								
Soil Diesel Range Organics	96.7	mg/kg	2.15	7.16	1	LCH D2 D5	10/03/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	<8.18	mg/kg	2.0	6.66	1		09/29/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.39
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-12 2 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082445

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	44.6	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<2.00	mg/kg	0.008	0.0266	100		09/29/01	LMP
Ethylbenzene	<2.00	mg/kg	0.007	0.0233	100		09/29/01	LMP
Methyl t-Butyl Ether(MTBE)	<2.00	mg/kg	0.018	0.0599	100		09/29/01	LMP
Toluene	<2.00	mg/kg	0.007	0.0233	100		09/29/01	LMP
1,2,4-Trimethylbenzene	99.8	mg/kg	0.012	0.04	100		09/29/01	LMP
1,3,5-Trimethylbenzene	49.2	mg/kg	0.01	0.0333	100		09/29/01	LMP
m- & p-Xylene	37.0	mg/kg	0.015	0.05	100		09/29/01	LMP
o-Xylene	54.0	mg/kg	0.008	0.0266	100		09/29/01	LMP
WI DNR								
Soil Diesel Range Organics	32,800.	mg/kg	2.15	7.16	200	LCH D1 D5	10/04/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	1,140.	mg/kg	2.0	6.66	100	G2 G6	09/29/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.40
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-3 1 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082446

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	87.7	%	-	0.33	-		10/03/01	JJP
EPA 3050								
Metal Prep	COMP		-	-	-		10/02/01	LMV
EPA 6010								
Total Lead	458.	mg/kg	0.33	1.1	2		10/03/01	BMS
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
Bromobenzene	<2.08	mg/kg	0.007	0.0233	104.2		10/12/01	LMP
Bromodichloromethane	<2.08	mg/kg	0.006	0.02	104.2		10/12/01	LMP
n-Butylbenzene	<2.08	mg/kg	0.012	0.04	104.2		10/12/01	LMP
sec-Butylbenzene	18.0	mg/kg	0.01	0.0333	104.2		10/12/01	LMP
tert-Butylbenzene	<2.08	mg/kg	0.01	0.0333	104.2		10/12/01	LMP
Carbon Tetrachloride	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
Chlorobenzene	<2.08	mg/kg	0.007	0.0233	104.2		10/12/01	LMP
Chlorodibromomethane	<2.08	mg/kg	0.02	0.0666	104.2		10/12/01	LMP
Chloroethane	<2.08	mg/kg	0.09	0.3	104.2		10/12/01	LMP
Chloroform	<2.08	mg/kg	0.01	0.0333	104.2		10/12/01	LMP
Chloromethane	<2.08	mg/kg	0.01	0.0333	104.2		10/12/01	LMP
2-Chlorotoluene	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
4-Chlorotoluene	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
1,2-Dibromo-3-chloropropane	<2.08	mg/kg	0.009	0.03	104.2		10/12/01	LMP
1,2-Dibromoethane	<2.08	mg/kg	0.012	0.04	104.2		10/12/01	LMP
1,2-Dichlorobenzene	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
1,3-Dichlorobenzene	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
1,4-Dichlorobenzene	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
Dichlorodifluoromethane	<2.08	mg/kg	0.014	0.0466	104.2	LCL DUP	10/12/01	LMP
1,1-Dichloroethane	<2.08	mg/kg	0.009	0.03	104.2	CSH	10/12/01	LMP
1,2-Dichloroethane	<2.08	mg/kg	0.005	0.0167	104.2		10/12/01	LMP
1,1-Dichloroethylene	<2.08	mg/kg	0.016	0.0533	104.2		10/12/01	LMP
cis-1,2-Dichloroethylene	<2.08	mg/kg	0.007	0.0233	104.2	CSH	10/12/01	LMP
trans-1,2-Dichloroethylene	<2.08	mg/kg	0.01	0.0333	104.2		10/12/01	LMP
1,2-Dichloropropane	<2.08	mg/kg	0.007	0.0233	104.2	CSH	10/12/01	LMP
1,3-Dichloropropane	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
2,2-Dichloropropane	<2.08	mg/kg	0.008	0.0266	104.2	CSH LCH DUP	10/12/01	LMP
Ethylbenzene	6.27	mg/kg	0.007	0.0233	104.2		10/12/01	LMP
Hexachlorobutadiene	<2.08	mg/kg	0.015	0.05	104.2		10/12/01	LMP
Isopropylbenzene	3.36	mg/kg	0.009	0.03	104.2		10/12/01	LMP
Isopropyl Ether	<2.08	mg/kg	0.014	0.0466	104.2		10/12/01	LMP
p-Isopropyltoluene	16.2	mg/kg	0.011	0.0366	104.2		10/12/01	LMP
Methyl t-Butyl Ether(MTBE)	<2.08	mg/kg	0.018	0.0599	104.2	CSH LCH	10/12/01	LMP
Methylene Chloride	<2.08	mg/kg	0.014	0.0466	104.2		10/12/01	LMP
Naphthalene	41.2	mg/kg	0.01	0.0333	104.2		10/12/01	LMP
n-Propylbenzene	8.39	mg/kg	0.009	0.03	104.2		10/12/01	LMP
Tetrachloroethylene	<2.08	mg/kg	0.009	0.03	104.2		10/12/01	LMP
1,1,2,2-Tetrachloroethane	<2.08	mg/kg	0.006	0.02	104.2	CSH LCH DUP	10/12/01	LMP
Toluene	<2.08	mg/kg	0.007	0.0233	104.2		10/12/01	LMP
1,2,3-Trichlorobenzene	<2.08	mg/kg	0.014	0.0466	104.2		10/12/01	LMP
1,2,4-Trichlorobenzene	<2.08	mg/kg	0.014	0.0466	104.2		10/12/01	LMP
1,1,1-Trichloroethane	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP

All results calculated on a dry weight basis.

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ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.41
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-3 1** Matrix: **SOIL** Sample Date/Time: **09/26/01** Lab No. **082446**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2-Trichloroethane	<2.08	mg/kg	0.006	0.02	104.2		10/12/01	LMP
Trichloroethylene	<2.08	mg/kg	0.011	0.0366	104.2		10/12/01	LMP
Trichlorofluoromethane	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
1,2,4-Trimethylbenzene	69.3	mg/kg	0.012	0.04	104.2		10/12/01	LMP
1,3,5-Trimethylbenzene	26.4	mg/kg	0.01	0.0333	104.2		10/12/01	LMP
Vinyl Chloride	<2.08	mg/kg	0.018	0.0599	104.2	CSL	10/12/01	LMP
m- & p-Xylene	9.82	mg/kg	0.015	0.05	104.2		10/12/01	LMP
o-Xylene	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
Bromochloromethane	<2.08	mg/kg	0.006	0.02	104.2		10/12/01	LMP
Bromoform	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
Bromomethane	<2.08	mg/kg	0.009	0.03	104.2	CSL	10/12/01	LMP
Dibromomethane	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
1,1-Dichloropropene	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
trans-1,3-dichloroprop(yl)e	<2.08	mg/kg	0.008	0.0266	104.2		10/12/01	LMP
Styrene	<2.08	mg/kg	0.007	0.0233	104.2		10/12/01	LMP
1,1,1,2-Tetrachloroethane	<2.08	mg/kg	0.009	0.03	104.2		10/12/01	LMP
1,2,3-Trichloropropane	<2.08	mg/kg	0.007	0.0233	104.2		10/12/01	LMP
cis-1,3-Dichloroprop(yl)ene	<2.08	mg/kg	0.007	0.0233	104.2		10/12/01	LMP
EPA 8310								
Acenaphthene	<4.29	mg/kg	0.0047	0.0157	800	LCL	10/16/01	GLS
Acenaphthylene	<0.151	mg/kg	0.0066	0.022	20	LCL	10/13/01	GLS
Anthracene	5.64	mg/kg	0.001	0.00333	20		10/13/01	GLS
Benzo(a)Anthracene	0.204	mg/kg	0.0041	0.0137	20	DUP	10/13/01	GLS
Benzo(a)Pyrene	0.121	mg/kg	0.0023	0.00766	20	LCL	10/13/01	GLS
Benzo(b)Fluoranthene	0.205	mg/kg	0.0021	0.00699	20	DUP	10/13/01	GLS
Benzo(k)Fluoranthene	0.0921	mg/kg	0.0029	0.00966	20	DUP	10/13/01	GLS
Benzo(ghi)Perylene	0.122	mg/kg	0.0021	0.00699	20	DUP	10/13/01	GLS
Chrysene	<0.0525	mg/kg	0.0023	0.00766	20	DUP	10/13/01	GLS
Dibenzo(a,h)Anthracene	<0.0319	mg/kg	0.0014	0.00466	20		10/13/01	GLS
Fluoranthene	0.579	mg/kg	0.001	0.00333	20		10/13/01	GLS
Fluorene	11.4	mg/kg	0.002	0.00666	800	LCL	10/16/01	GLS
Indeno(1,2,3-cd)Pyrene	0.0634	mg/kg	0.0016	0.00533	20		10/13/01	GLS
1-Methyl Naphthalene	98.5	mg/kg	0.0035	0.0117	800	SPH DUP LCL	10/16/01	GLS
2-Methyl Naphthalene	13.9	mg/kg	0.0041	0.0137	800	SPH DUP LCL	10/16/01	GLS
Naphthalene	22.0	mg/kg	0.0016	0.00533	800	SPL DUP LCL	10/16/01	GLS
Phenanthrene	25.5	mg/kg	0.0023	0.00766	800	LCL	10/16/01	GLS
Pyrene	0.889	mg/kg	0.001	0.00333	20		10/13/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		10/05/01	CKV
WI DNR								
Soil Diesel Range Organics	28,200.	mg/kg	2.15	7.16	500	LCH D1	10/05/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	2,260.	mg/kg	2.0	6.66	52.1	G3 G6	10/08/01	LMP

All results calculated on a dry weight basis.

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FACSIMILE 715-355-3221

STS CONSULTANTS
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Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.42
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-9 1 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082447

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	91.0	%	-	0.33	-		10/03/01	JJP
EPA 3050								
Metal Prep	COMP		-	-	-		10/02/01	LMV
EPA 6010								
Total Lead	8.02	mg/kg	0.33	1.1	1		10/03/01	BMS
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
Bromobenzene	<0.4	mg/kg	0.007	0.0233	20		10/12/01	LMP
Bromodichloromethane	<0.4	mg/kg	0.006	0.02	20		10/12/01	LMP
n-Butylbenzene	<0.4	mg/kg	0.012	0.04	20		10/12/01	LMP
sec-Butylbenzene	1.73	mg/kg	0.01	0.0333	20		10/12/01	LMP
tert-Butylbenzene	<0.4	mg/kg	0.01	0.0333	20		10/12/01	LMP
Carbon Tetrachloride	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
Chlorobenzene	<0.4	mg/kg	0.007	0.0233	20		10/12/01	LMP
Chlorodibromomethane	<0.4	mg/kg	0.02	0.0666	20		10/12/01	LMP
Chloroethane	<0.4	mg/kg	0.09	0.3	20		10/12/01	LMP
Chloroform	<0.4	mg/kg	0.01	0.0333	20		10/12/01	LMP
Chloromethane	<0.4	mg/kg	0.01	0.0333	20		10/12/01	LMP
2-Chlorotoluene	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
4-Chlorotoluene	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
1,2-Dibromo-3-chloropropane	<0.4	mg/kg	0.009	0.03	20		10/12/01	LMP
1,2-Dibromoethane	<0.4	mg/kg	0.012	0.04	20		10/12/01	LMP
1,2-Dichlorobenzene	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
1,3-Dichlorobenzene	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
1,4-Dichlorobenzene	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
Dichlorodifluoromethane	<0.4	mg/kg	0.014	0.0466	20	LCL DUP	10/12/01	LMP
1,1-Dichloroethane	<0.4	mg/kg	0.009	0.03	20	CSH	10/12/01	LMP
1,2-Dichloroethane	<0.4	mg/kg	0.005	0.0167	20		10/12/01	LMP
1,1-Dichloroethylene	<0.4	mg/kg	0.016	0.0533	20		10/12/01	LMP
cis-1,2-Dichloroethylene	<0.4	mg/kg	0.007	0.0233	20	CSH	10/12/01	LMP
trans-1,2-Dichloroethylene	<0.4	mg/kg	0.01	0.0333	20		10/12/01	LMP
1,2-Dichloropropane	<0.4	mg/kg	0.007	0.0233	20	CSH	10/12/01	LMP
1,3-Dichloropropane	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
2,2-Dichloropropane	<0.4	mg/kg	0.008	0.0266	20	CSH LCH DUP	10/12/01	LMP
Ethylbenzene	0.648	mg/kg	0.007	0.0233	20		10/12/01	LMP
Hexachlorobutadiene	<0.4	mg/kg	0.015	0.05	20		10/12/01	LMP
Isopropylbenzene	<0.4	mg/kg	0.009	0.03	20		10/12/01	LMP
Isopropyl Ether	<0.4	mg/kg	0.014	0.0466	20		10/12/01	LMP
p-Isopropyltoluene	2.09	mg/kg	0.011	0.0366	20		10/12/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.4	mg/kg	0.018	0.0599	20	CSH LCH	10/12/01	LMP
Methylene Chloride	<0.4	mg/kg	0.014	0.0466	20		10/12/01	LMP
Naphthalene	5.13	mg/kg	0.01	0.0333	20		10/12/01	LMP
n-Propylbenzene	0.463	mg/kg	0.009	0.03	20		10/12/01	LMP
Tetrachloroethylene	<0.4	mg/kg	0.009	0.03	20		10/12/01	LMP
1,1,2,2-Tetrachloroethane	<0.4	mg/kg	0.006	0.02	20	CSH LCH DUP	10/12/01	LMP
Toluene	<0.4	mg/kg	0.007	0.0233	20		10/12/01	LMP
1,2,3-Trichlorobenzene	<0.4	mg/kg	0.014	0.0466	20		10/12/01	LMP
1,2,4-Trichlorobenzene	<0.4	mg/kg	0.014	0.0466	20		10/12/01	LMP
1,1,1-Trichloroethane	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP

All results calculated on a dry weight basis.

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ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221

STS CONSULTANTS
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Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 082417.43
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-9 1 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082447

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2-Trichloroethane	<0.4	mg/kg	0.006	0.02	20		10/12/01	LMP
Trichloroethylene	<0.4	mg/kg	0.011	0.0366	20		10/12/01	LMP
Trichlorofluoromethane	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
1,2,4-Trimethylbenzene	10.3	mg/kg	0.012	0.04	20		10/12/01	LMP
1,3,5-Trimethylbenzene	4.49	mg/kg	0.01	0.0333	20		10/12/01	LMP
Vinyl Chloride	<0.4	mg/kg	0.018	0.0599	20	CSL	10/12/01	LMP
m- & p-Xylene	2.71	mg/kg	0.015	0.05	20		10/12/01	LMP
o-Xylene	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
Bromochloromethane	<0.4	mg/kg	0.006	0.02	20		10/12/01	LMP
Bromoform	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
Bromomethane	<0.4	mg/kg	0.009	0.03	20	CSL	10/12/01	LMP
Dibromomethane	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
1,1-Dichloropropene	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
trans-1,3-dichloroprop(yl)e	<0.4	mg/kg	0.008	0.0266	20		10/12/01	LMP
Styrene	<0.4	mg/kg	0.007	0.0233	20		10/12/01	LMP
1,1,1,2-Tetrachloroethane	<0.4	mg/kg	0.009	0.03	20		10/12/01	LMP
1,2,3-Trichloropropane	<0.4	mg/kg	0.007	0.0233	20		10/12/01	LMP
cis-1,3-Dichloroprop(yl)ene	<0.4	mg/kg	0.007	0.0233	20		10/12/01	LMP
EPA 8310								
Acenaphthene	<0.00516	mg/kg	0.0047	0.0157	1	LCL	10/13/01	GLS
Acenaphthylene	<0.00725	mg/kg	0.0066	0.022	1	LCL	10/13/01	GLS
Anthracene	<0.0011	mg/kg	0.001	0.00333	1		10/13/01	GLS
Benzo(a)Anthracene	<0.00451	mg/kg	0.0041	0.0137	1	S1L DUP	10/13/01	GLS
Benzo(a)Pyrene	0.00387	mg/kg	0.0023	0.00766	1	LCL J	10/13/01	GLS
Benzo(b)Fluoranthene	0.0037	mg/kg	0.0021	0.00699	1	S1L DUP J	10/13/01	GLS
Benzo(k)Fluoranthene	<0.00319	mg/kg	0.0029	0.00966	1	S1L DUP	10/13/01	GLS
Benzo(ghi)Perylene	0.0091	mg/kg	0.0021	0.00699	1	S1L DUP	10/13/01	GLS
Chrysene	<0.00253	mg/kg	0.0023	0.00766	1	S1L DUP	10/13/01	GLS
Dibenzo(a,h)Anthracene	<0.00154	mg/kg	0.0014	0.00466	1		10/13/01	GLS
Fluoranthene	0.0121	mg/kg	0.001	0.00333	1	S1L	10/13/01	GLS
Fluorene	0.0178	mg/kg	0.002	0.00666	1	LCL	10/13/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.00176	mg/kg	0.0016	0.00533	1		10/13/01	GLS
1-Methyl Naphthalene	0.125	mg/kg	0.0035	0.0117	1	S1H DUP LCL	10/13/01	GLS
2-Methyl Naphthalene	0.215	mg/kg	0.0041	0.0137	1	S1H DUP LCL	10/13/01	GLS
Naphthalene	0.0485	mg/kg	0.0016	0.00533	1	S2L DUP LCL	10/13/01	GLS
Phenanthrene	0.0412	mg/kg	0.0023	0.00766	1	LCL	10/13/01	GLS
Pyrene	0.00954	mg/kg	0.001	0.00333	1	S1L DUP	10/13/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		10/05/01	CKV
WI DNR								
Soil Diesel Range Organics	686.	mg/kg	2.15	7.16	10	LCH D1 D5	10/05/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	375.	mg/kg	2.0	6.66	5	G3 G6	10/08/01	LMP

All results calculated on a dry weight basis.

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ROTHSCHILD, WI 54474

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STS CONSULTANTS
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PROJECT NO.: 26788XF
REPORT NO. : 082417.44
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-12 1 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082448

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	90.0	%	-	0.33	-		10/03/01	JJP
EPA 3050								
Metal Prep	COMP		-	-	-		10/02/01	LMV
EPA 6010								
Total Lead	104.	mg/kg	0.33	1.1	1		10/03/01	BMS
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP
Bromobenzene	<2.00	mg/kg	0.007	0.0233	100		10/14/01	LMP
Bromodichloromethane	<2.00	mg/kg	0.006	0.02	100		10/14/01	LMP
n-Butylbenzene	17.7	mg/kg	0.012	0.04	100		10/14/01	LMP
sec-Butylbenzene	8.05	mg/kg	0.01	0.0333	100		10/14/01	LMP
tert-Butylbenzene	<2.00	mg/kg	0.01	0.0333	100		10/14/01	LMP
Carbon Tetrachloride	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP
Chlorobenzene	<2.00	mg/kg	0.007	0.0233	100		10/14/01	LMP
Chlorodibromomethane	<2.00	mg/kg	0.02	0.0666	100		10/14/01	LMP
Chloroethane	<2.00	mg/kg	0.09	0.3	100		10/14/01	LMP
Chloroform	<2.00	mg/kg	0.01	0.0333	100		10/14/01	LMP
Chloromethane	<2.00	mg/kg	0.01	0.0333	100		10/14/01	LMP
2-Chlorotoluene	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP
4-Chlorotoluene	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP
1,2-Dibromo-3-chloropropane	<2.00	mg/kg	0.009	0.03	100		10/14/01	LMP
1,2-Dibromoethane	<2.00	mg/kg	0.012	0.04	100		10/14/01	LMP
1,2-Dichlorobenzene	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP
1,3-Dichlorobenzene	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP
1,4-Dichlorobenzene	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP
Dichlorodifluoromethane	<2.00	mg/kg	0.014	0.0466	100	LCL DUP	10/14/01	LMP
1,1-Dichloroethane	<2.00	mg/kg	0.009	0.03	100	LCH	10/14/01	LMP
1,2-Dichloroethane	<2.00	mg/kg	0.005	0.0167	100		10/14/01	LMP
1,1-Dichloroethylene	<2.00	mg/kg	0.016	0.0533	100		10/14/01	LMP
cis-1,2-Dichloroethylene	<2.00	mg/kg	0.007	0.0233	100	LCH	10/14/01	LMP
trans-1,2-Dichloroethylene	<2.00	mg/kg	0.01	0.0333	100		10/14/01	LMP
1,2-Dichloropropane	<2.00	mg/kg	0.007	0.0233	100	CSH	10/14/01	LMP
1,3-Dichloropropane	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP
2,2-Dichloropropane	<2.00	mg/kg	0.008	0.0266	100	CSL	10/14/01	LMP
Ethylbenzene	2.55	mg/kg	0.007	0.0233	100		10/14/01	LMP
Hexachlorobutadiene	<2.00	mg/kg	0.015	0.05	100		10/14/01	LMP
Isopropylbenzene	<2.00	mg/kg	0.009	0.03	100		10/14/01	LMP
Isopropyl Ether	<2.00	mg/kg	0.014	0.0466	100		10/14/01	LMP
p-Isopropyltoluene	<2.00	mg/kg	0.011	0.0366	100		10/14/01	LMP
Methyl t-Butyl Ether(MTBE)	<2.00	mg/kg	0.018	0.0599	100	CSH LCH DUP	10/14/01	LMP
Methylene Chloride	<2.00	mg/kg	0.014	0.0466	100		10/14/01	LMP
Naphthalene	31.3	mg/kg	0.01	0.0333	100		10/14/01	LMP
n-Propylbenzene	2.78	mg/kg	0.009	0.03	100		10/14/01	LMP
Tetrachloroethylene	<2.00	mg/kg	0.009	0.03	100		10/14/01	LMP
1,1,2,2-Tetrachloroethane	<2.00	mg/kg	0.006	0.02	100	CSH	10/14/01	LMP
Toluene	<2.00	mg/kg	0.007	0.0233	100		10/14/01	LMP
1,2,3-Trichlorobenzene	<2.00	mg/kg	0.014	0.0466	100		10/14/01	LMP
1,2,4-Trichlorobenzene	<2.00	mg/kg	0.014	0.0466	100		10/14/01	LMP
1,1,1-Trichloroethane	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.45
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-12 1** Matrix: **SOIL** Sample Date/Time: **09/26/01** Lab No. **082448**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
1,1,2-Trichloroethane	<2.00	mg/kg	0.006	0.02	100		10/14/01	LMP
Trichloroethylene	<2.00	mg/kg	0.011	0.0366	100		10/14/01	LMP
Trichlorofluoromethane	<2.00	mg/kg	0.008	0.0266	100	LCH DUP	10/14/01	LMP
1,2,4-Trimethylbenzene	83.6	mg/kg	0.012	0.04	100		10/14/01	LMP
1,3,5-Trimethylbenzene	39.3	mg/kg	0.01	0.0333	100		10/14/01	LMP
Vinyl Chloride	<2.00	mg/kg	0.018	0.0599	100	CSL	10/14/01	LMP
m- & p-Xylene	19.3	mg/kg	0.015	0.05	100		10/14/01	LMP
o-Xylene	34.0	mg/kg	0.008	0.0266	100		10/14/01	LMP
Bromochloromethane	<2.00	mg/kg	0.006	0.02	100		10/14/01	LMP
Bromoform	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP
Bromomethane	<2.00	mg/kg	0.009	0.03	100	CSL	10/14/01	LMP
Dibromomethane	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP
1,1-Dichloropropene	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP
trans-1,3-dichloroprop(yl)e	<2.00	mg/kg	0.008	0.0266	100		10/14/01	LMP
Styrene	<2.00	mg/kg	0.007	0.0233	100		10/14/01	LMP
1,1,1,2-Tetrachloroethane	<2.00	mg/kg	0.009	0.03	100		10/14/01	LMP
1,2,3-Trichloropropane	<2.00	mg/kg	0.007	0.0233	100		10/14/01	LMP
cis-1,3-Dichloroprop(yl)ene	<2.00	mg/kg	0.007	0.0233	100		10/14/01	LMP
EPA 8310								
Acenaphthene	<0.104	mg/kg	0.0047	0.0157	20	LCL	10/13/01	GLS
Acenaphthylene	<0.147	mg/kg	0.0066	0.022	20	LCL	10/13/01	GLS
Anthracene	0.893	mg/kg	0.001	0.00333	20		10/13/01	GLS
Benzo(a)Anthracene	<0.0911	mg/kg	0.0041	0.0137	20	SPL DUP	10/13/01	GLS
Benzo(a)Pyrene	<0.0511	mg/kg	0.0023	0.00766	20	LCL	10/13/01	GLS
Benzo(b)Fluoranthene	<0.0467	mg/kg	0.0021	0.00699	20	SPL DUP	10/13/01	GLS
Benzo(k)Fluoranthene	<0.0644	mg/kg	0.0029	0.00966	20	SPL DUP	10/13/01	GLS
Benzo(ghi)Perylene	<0.0467	mg/kg	0.0021	0.00699	20	SPL DUP	10/13/01	GLS
Chrysene	<0.0511	mg/kg	0.0023	0.00766	20	SPL DUP	10/13/01	GLS
Dibenzo(a,h)Anthracene	<0.0311	mg/kg	0.0014	0.00466	20		10/13/01	GLS
Fluoranthene	<0.0222	mg/kg	0.001	0.00333	20	SPL	10/13/01	GLS
Fluorene	4.78	mg/kg	0.002	0.00666	20	LCL	10/13/01	GLS
Indeno(1,2,3-cd)Pyrene	<0.0356	mg/kg	0.0016	0.00533	20		10/13/01	GLS
1-Methyl Naphthalene	38.6	mg/kg	0.0035	0.0117	400	SPH DUP LCL	10/16/01	GLS
2-Methyl Naphthalene	56.8	mg/kg	0.0041	0.0137	400	SPH DUP LCL	10/16/01	GLS
Naphthalene	8.91	mg/kg	0.0016	0.00533	400	SPL DUP LCL	10/16/01	GLS
Phenanthrene	16.8	mg/kg	0.0023	0.00766	400	LCL	10/16/01	GLS
Pyrene	0.303	mg/kg	0.001	0.00333	20	SPL DUP	10/13/01	GLS
Solid Organic Extraction	COMP		3.0	9.99	-		10/05/01	CKV
WI DNR								
Soil Diesel Range Organics	28,700.	mg/kg	2.15	7.16	500	LCH D1 D5	10/05/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	1,530.	mg/kg	2.0	6.66	100	G3 G6	10/05/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.46
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-3 2 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082449

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	29.6	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.208	mg/kg	0.008	0.0266	10.4		10/04/01	LMP
Ethylbenzene	4.82	mg/kg	0.007	0.0233	10.4		10/04/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.208	mg/kg	0.018	0.0599	10.4		10/04/01	LMP
Toluene	<0.208	mg/kg	0.007	0.0233	10.4		10/04/01	LMP
1,2,4-Trimethylbenzene	60.1	mg/kg	0.012	0.04	10.4		10/04/01	LMP
1,3,5-Trimethylbenzene	20.4	mg/kg	0.01	0.0333	10.4		10/04/01	LMP
m- & p-Xylene	14.4	mg/kg	0.015	0.05	10.4		10/04/01	LMP
o-Xylene	<0.208	mg/kg	0.008	0.0266	10.4		10/04/01	LMP
WI DNR								
Soil Diesel Range Organics	86,800.	mg/kg	2.15	7.16	500	LCH D1	10/05/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	658.	mg/kg	2.0	6.66	10.4	G2 G6	10/04/01	LMP

Sample ID: B-9 2 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082450

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	53.6	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<1.00	mg/kg	0.008	0.0266	50		09/29/01	LMP
Ethylbenzene	18.3	mg/kg	0.007	0.0233	50		09/29/01	LMP
Methyl t-Butyl Ether(MTBE)	<1.00	mg/kg	0.018	0.0599	50		09/29/01	LMP
Toluene	<1.00	mg/kg	0.007	0.0233	50		09/29/01	LMP
1,2,4-Trimethylbenzene	181.	mg/kg	0.012	0.04	50		09/29/01	LMP
1,3,5-Trimethylbenzene	72.3	mg/kg	0.01	0.0333	50		09/29/01	LMP
m- & p-Xylene	103.	mg/kg	0.015	0.05	50		09/29/01	LMP
o-Xylene	<1.00	mg/kg	0.008	0.0266	50		09/29/01	LMP
WI DNR								
Soil Diesel Range Organics	39,300.	mg/kg	2.15	7.16	200	LCH D1	10/05/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/01/01	CKV
Soil Gasoline Range Organic	2,150.	mg/kg	2.0	6.66	50	G2 G6	09/29/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.47
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: **B-8 1A** Matrix: **SOIL** Sample Date/Time: **09/26/01** Lab No. **082451**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	89.1	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	0.0963	mg/kg	0.008	0.0266	1		10/04/01	LMP
Ethylbenzene	0.0286	mg/kg	0.007	0.0233	1		10/04/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		10/04/01	LMP
Toluene	0.0383	mg/kg	0.007	0.0233	1		10/04/01	LMP
1,2,4-Trimethylbenzene	0.0758	mg/kg	0.012	0.04	1		10/04/01	LMP
1,3,5-Trimethylbenzene	0.0449	mg/kg	0.01	0.0333	1		10/04/01	LMP
m- & p-Xylene	0.0599	mg/kg	0.015	0.05	1		10/04/01	LMP
o-Xylene	0.0361	mg/kg	0.008	0.0266	1		10/04/01	LMP
WI DNR								
Soil Diesel Range Organics	1,700.	mg/kg	2.15	7.16	100	D1 D2B D5	10/05/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/04/01	CKV
Soil Gasoline Range Organic	6.99	mg/kg	2.0	6.66	1	G3 G6	10/04/01	LMP

Sample ID: **B-8 2** Matrix: **SOIL** Sample Date/Time: **09/26/01** Lab No. **082452**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	28.0	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	1.43	mg/kg	0.008	0.0266	20		10/04/01	LMP
Ethylbenzene	1.53	mg/kg	0.007	0.0233	20		10/04/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.4	mg/kg	0.018	0.0599	20		10/04/01	LMP
Toluene	<0.4	mg/kg	0.007	0.0233	20		10/04/01	LMP
1,2,4-Trimethylbenzene	81.1	mg/kg	0.012	0.04	20		10/04/01	LMP
1,3,5-Trimethylbenzene	26.9	mg/kg	0.01	0.0333	20		10/04/01	LMP
m- & p-Xylene	68.4	mg/kg	0.015	0.05	20		10/04/01	LMP
o-Xylene	<0.4	mg/kg	0.008	0.0266	20		10/04/01	LMP
WI DNR								
Soil Diesel Range Organics	11,700.	mg/kg	2.15	7.16	100	D1 D5	10/09/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/04/01	CKV
Soil Gasoline Range Organic	900.	mg/kg	2.0	6.66	20	G2 G6	10/04/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.48
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-10 1 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082453

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	94.1	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		10/04/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		10/04/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		10/04/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		10/04/01	LMP
1,2,4-Trimethylbenzene	0.053	mg/kg	0.012	0.04	1		10/04/01	LMP
1,3,5-Trimethylbenzene	0.15	mg/kg	0.01	0.0333	1		10/04/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		10/04/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		10/04/01	LMP
WI DNR								
Soil Diesel Range Organics	74.9	mg/kg	2.15	7.16	1	D1 D2B D5	10/09/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/04/01	CKV
Soil Gasoline Range Organic	11.4	mg/kg	2.0	6.66	1	G3 G6	10/04/01	LMP

Sample ID: B-10 2 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082454

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	67.5	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	0.6	mg/kg	0.008	0.0266	20		10/04/01	LMP
Ethylbenzene	3.43	mg/kg	0.007	0.0233	20		10/04/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.4	mg/kg	0.018	0.0599	20		10/04/01	LMP
Toluene	<0.4	mg/kg	0.007	0.0233	20		10/04/01	LMP
1,2,4-Trimethylbenzene	23.6	mg/kg	0.012	0.04	20		10/04/01	LMP
1,3,5-Trimethylbenzene	8.18	mg/kg	0.01	0.0333	20		10/04/01	LMP
m- & p-Xylene	17.0	mg/kg	0.015	0.05	20		10/04/01	LMP
o-Xylene	<0.4	mg/kg	0.008	0.0266	20		10/04/01	LMP
WI DNR								
Soil Diesel Range Organics	7,200.	mg/kg	2.15	7.16	100	D1	10/09/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/04/01	CKV
Soil Gasoline Range Organic	270.	mg/kg	2.0	6.66	20	G2 G6	10/04/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.49
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-13 1 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082455

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	92.7	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		10/04/01	LMP
Ethylbenzene	0.0745	mg/kg	0.007	0.0233	1		10/04/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		10/04/01	LMP
Toluene	0.206	mg/kg	0.007	0.0233	1		10/04/01	LMP
1,2,4-Trimethylbenzene	0.127	mg/kg	0.012	0.04	1		10/04/01	LMP
1,3,5-Trimethylbenzene	0.0412	mg/kg	0.01	0.0333	1		10/04/01	LMP
m- & p-Xylene	0.231	mg/kg	0.015	0.05	1		10/04/01	LMP
o-Xylene	0.216	mg/kg	0.008	0.0266	1		10/04/01	LMP
WI DNR								
Soil Diesel Range Organics	117.	mg/kg	2.15	7.16	1	D1 D5	10/09/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/04/01	CKV
Soil Gasoline Range Organic	<5.39	mg/kg	2.0	6.66	1		10/04/01	LMP

Sample ID: B-13 2 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082456

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	84.1	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		10/04/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		10/04/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		10/04/01	LMP
Toluene	0.0304	mg/kg	0.007	0.0233	1		10/04/01	LMP
1,2,4-Trimethylbenzene	0.0396	mg/kg	0.012	0.04	1		10/04/01	LMP
1,3,5-Trimethylbenzene	0.0434	mg/kg	0.01	0.0333	1		10/04/01	LMP
m- & p-Xylene	0.0447	mg/kg	0.015	0.05	1		10/04/01	LMP
o-Xylene	0.0392	mg/kg	0.008	0.0266	1		10/04/01	LMP
WI DNR								
Soil Diesel Range Organics	84.2	mg/kg	2.15	7.16	1	D1 D2B D5	10/05/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/04/01	CKV
Soil Gasoline Range Organic	<5.95	mg/kg	2.0	6.66	1		10/04/01	LMP

All results calculated on a dry weight basis.

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PROJECT NO.: 26788XF
REPORT NO. : 082417.50
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Attn: Jerry Puetz

Sample ID: B-14 1 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082457

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	89.4	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	0.0385	mg/kg	0.008	0.0266	1		10/04/01	LMP
Ethylbenzene	0.0743	mg/kg	0.007	0.0233	1		10/04/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		10/04/01	LMP
Toluene	0.242	mg/kg	0.007	0.0233	1		10/04/01	LMP
1,2,4-Trimethylbenzene	0.205	mg/kg	0.012	0.04	1		10/04/01	LMP
1,3,5-Trimethylbenzene	0.0748	mg/kg	0.01	0.0333	1		10/04/01	LMP
m- & p-Xylene	0.298	mg/kg	0.015	0.05	1		10/04/01	LMP
o-Xylene	0.244	mg/kg	0.008	0.0266	1		10/04/01	LMP
WI DNR								
Soil Diesel Range Organics	318.	mg/kg	2.15	7.16	10	D1 D2B D5	10/06/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/04/01	CKV
Soil Gasoline Range Organic	6.00	mg/kg	2.0	6.66	1	G2 G6	10/04/01	LMP

Sample ID: B-14 2 Matrix: SOIL Sample Date/Time: 09/26/01 Lab No. 082458

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	85.6	%	-	0.33	-		10/03/01	JJP
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		10/04/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		10/04/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		10/04/01	LMP
Toluene	0.0974	mg/kg	0.007	0.0233	1		10/04/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		10/04/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		10/04/01	LMP
m- & p-Xylene	0.0461	mg/kg	0.015	0.05	1		10/04/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		10/04/01	LMP
WI DNR								
Soil Diesel Range Organics	54.6	mg/kg	2.15	7.16	1	D1 D2B D5	10/06/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		10/04/01	CKV
Soil Gasoline Range Organic	<5.84	mg/kg	2.0	6.66	1		10/04/01	LMP

All results calculated on a dry weight basis.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

Attn: Jerry Puetz

PROJECT NO.: 26788XF
REPORT NO. : 082417.51
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Qualifier Descriptions

CSL	Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
SPH	Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased high.
CSH	Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
D2	The chromatogram is not characteristic for diesel. It has the characteristics of a product which has significant peaks within the DRO window.
D5	The chromatogram contained significant peaks and a raised baseline outside the DRO window.
J	Estimated concentration below laboratory quantitation level.
D1	The chromatogram is characteristic for a fuel oil/ diesel. (i.e. #1 or #2 Diesel, jet fuel, kerosene, aged or degraded diesel, etc.)
G2	The chromatogram has characteristics of an aged gasoline sample.
G6	The chromatogram contains a significant number of peaks and a raised baseline outside the GRO window.
G8	The chromatogram is characteristic for aged gasoline, however either additional peaks are present or PVOC peaks are not propotrional to aged gasoline indicating the presence of additional compounds.
G5	The chromatogram contains a significant number of peaks outside the GRO window.
D3	The chromatogram is not characteristic for diesel or any single common petroleum product.

USFilter

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

Attn: Jerry Puetz

PROJECT NO.: 26788XF
REPORT NO. : 082417.52
DATE REC'D : 09/27/01
REPORT DATE: 10/18/01
PREPARED BY: JRS

Qualifier Descriptions

SL	Surrogate recovery was low. Result for sample may be biased low.
D2A	The chromatogram is characteristic for a light petroleum product. (i.e. gasoline, aged or degraded gasoline, mineral spirits, etc.)
LCH	The laboratory control sample for this analyte exibited a high bias. Sample results may also be biased high.
D2B	The chromatogram is characteristic for a heavier petroleum product other than diesel. (i.e. motor oil, hydraulic oil, etc.)
G3	The chromatogram in not characteristic for either gas or aged gas. It has a reportable concentration of peaks/area within the GRO window.
LCL	The laboratory control sample for this analyte exibited a low bias. Sample results may also be biased low.
DUP	Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.
SPL	Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.
S1L	Sample matrix spike recovery was low. Sample result may be biased low.
S1H	Sample matrix spike recovery was high. Sample result may be biased high.
S2L	Sample matrix spike duplicate recovery was low. Sample result may be biased low.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Receipt Report

Client: Sts (Schofield) Date Received: 9/27/01

Analytical No.: 8082417 Through 8082458

Check all deviations from EPA or WDNR sample protocol.

[ ] Sample(s) received at ____°C which is above the EPA and WDNR limit of 4°C.

[ ] VOC vial(s) received with headspace. Explain: ____

[ ] Sample(s) received in bottles not furnished by Enviroscan. Preservation method, if used, is unknown.

[ ] Sample(s) not properly preserved per EPA/WDNR protocol for the following: Due to Dicks request that .5g be subtracted from final wt. and the sples had already had MeCl added to the DRO, sple # 82439, 82440, 82442, 82443, 82450, 82455 + 82457 had +1 ml. more added than necessary.

[ ] Sample(s) received beyond EPA holding time for: ____

[ ] Sample date/time not supplied by client. Actual holding time unknown.

[ ] GRO/PVOC/VOC/DRO (circle appropriate) sample(s) are <19.5 gms and this report is the flag for that information. Sample(s) under-weight: ____

[-] GRO/PVOC/VOC (circle appropriate) sample(s) were between 26.4-35.4 gms so methanol was added in a 1:1 ratio. Sample(s) included: ~~8082454~~ +2 ml. after subtracting Sts sch label wt. this one OK

[ ] GRO/PVOC/VOC/DRO (circle appropriate) sample(s) were >35.4 gms and are required to be rejected. Sample(s) included: ____

[ ] Other: Dick of Sts requests we subtract .5g from each final soil wt. to account for their labels placed over our labels on soil jars. per Eric M. Sou A

Client contact concerning the above deviations:

Client ____ (contact name) notified of the above deviation(s) on __/__/__ at __:__ am/pm by ____ and the client ordered:
(signature)

[ ] Proceed with analyses as ordered.
[ ] Proceed with analyses after taking the following corrective action: ____

[ ] Do NOT proceed with analyses.

CHAIN OF CUSTODY RECORD

№ 32490

STS

RECORD NUMBER ______ THROUGH ______

Contact Person: Jerry Puetz
Phone No.: 355-4304 Office: Schofield
Project No.: 26788XF PO No.:
Project Name: Former Langlade Oil

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

Laboratory: U S Filter
Contact Person:
Phone No.:
Results Due:

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	PH	Special Cond.	Analysis Request (1 liter amber, 4 vials, L8021 + "EPA extras")	Comments on Sample (Include Major Contaminants)
B-2	2001 9/26		X		5	Water	5		08082417				GRO, DRO, VOCs(8021)	
B-5	↓		↓		5	↓	5		08082418				↓	
B-6	↓		↓		5	↓	5		08082419				↓	
B-7	↓		↓		5	↓	5		08082420				↓	
B-8	↓		↓		5	↓	5		08082421				↓	
B-9	↓		↓		5	↓	5		08082422				↓	
B-10	↓		↓		6	↓	6		08082423				↓	
B-11	↓		↓		5	↓	5		08082424				↓	
B-13	↓		↓		5	↓	5		08082425				↓	

Collected by:	Jerry C Puetz	Date 9/26/2001	Time	Delivery by:	Lane McDonald	Date 9/27/2001	Time 11:47
Received by:		Date	Time	Relinquished by:		Date	Time
Received by:		Date	Time	Relinquished by:		Date	Time
Received by:		Date	Time	Relinquished by:		Date	Time
Received for lab by:	Susan M. Auhler	Date 9-27-01	Time 1147	Relinquished by:		Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☒ Yes ☐ No ☐ N/A   nice 0°C   stssch/ stsgre E30412

Final Disposition:

Comments (Weather Conditions, Precautions, Hazards): 6528

Extra liter amber bottle from B-10 for lab QA/QC

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

CHAIN OF CUSTODY RECORD

№ 32491

Contact Person: Jerry Puetz
Phone No. 355-4304 Office Schofield
Project No. 26788XF PO No.
Project Name Former Langlade Oil

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

RECORD NUMBER _____ THROUGH _____
Laboratory US Filter
Contact Person
Phone No.
Results Due

Sample I.D.	Date 2001	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data: PID/FID Ambient	Field Data: PID/FID Sample	Field Data: PH	Field Data: Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
B-14	9/26		X		5	Water	5		08082426				GRO, DRO, VOCs (8021)	
Dup-1	↓		↓		5	↓	5		08082427				↓	
FB-1	↓		↓		5	↓	5		08082428				↓	
TB-1	–	–	–		2	↓	2		08082429				GRO, VOCs (8021)	TB028 B116701VR DSO 9-18-01

Collected by:	Jerry C Puetz	Date 9/26/2001	Time	Delivery by: Susan McArdle	Date 9/27/2001 Time 11:47
Received by:		Date	Time	Relinquished by:	Date Time
Received by:		Date	Time	Relinquished by:	Date Time
Received by:		Date	Time	Relinquished by:	Date Time
Received for lab by: Susan McArdle	Date 9-27-01	Time 1147		Relinquished by:	Date Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☑ Yes ☐ No ☐ N/A on ice 0°C

Final Disposition:	Comments (Weather Conditions, Precautions, Hazards):
	~~Extra liter~~

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

CHAIN OF CUSTODY RECORD

№ 32494

Contact Person	Jerry Puetz
Phone No.	355-4304
Office	Schofield
Project No.	26788XF
PO No.	
Project Name	Former Langlade Oil

Special Handling Request

- ☐ Rush
- ☐ Verbal
- ☐ Other

RECORD NUMBER ______ THROUGH ______

Laboratory	US Filter
Contact Person	
Phone No.	
Results Due	

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
	2001													
B-1(1)	9/26		X		3	Soil	1	2	08082430				GRO, DRO, PVOCs, Total Solids	2-2oz amber + 1 TB cap
B-1(2)	↓		↓		3	↓	1	2	08082431				↓	↓
B-2(1)	↓		↓		3	↓	1	2	08082432				↓	↓
B-2(2)	↓		↓		3	↓	1	2	08082433				↓	↓
B-4(1)	↓		↓		3	↓	1	2	08082434				↓	↓
B-4(2)	↓		↓		3	↓	1	2	08082435				↓	↓
B-5(1)	↓		↓		3	↓	1	2	08082436				↓	↓
B-5(2)	↓		↓		3	↓	1	2	08082437				↓	↓
Methanol Blank	–	–	–		1	MeOH	1		08082438				GRO, VOCs (8021)	1 vial 9-10-01 TB003 1227 civil

Collected by: Jerry C Puetz	Date 9/26/2001	Time 09:00	Delivery by: [illegible]	Date 9/27/2001	Time 11:49
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: Susan M. Ande	Date 9-27-01	Time 1149	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☒ Yes ☐ No ☐ N/A [illegible] 0°C

Final Disposition:

Comments (Weather Conditions, Precautions, Hazards):

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

CHAIN OF CUSTODY RECORD

№ 32495

Contact Person Jerry Puetz
Phone No. 355-4304 Office Schofield
Project No. 26788XF PO No.
Project Name Former Langlade oil

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

RECORD NUMBER _____ THROUGH _____
Laboratory US Filter
Contact Person
Phone No.
Results Due

Sample I.D.	Date 2001	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
B-6(1)	9/26		X		3	Soil	1	2	08082439				GRO, DRO, PVOCs, Total Solids	
B-6(2)	↓		↓		3	↓	1	2	08082440				↓	
B-7(1)					3		1	2	08082441					
B-7(2)					3		1	2	08082442					
B-11(1)					3		1	2	08082443					
B-11(2)					3		1	2	08082444					
~~B-12(1)~~														
B-12(2)	↓		↓			↓			08082445				GRO, PVOCs, DRO, Total Solids	

Collected by:	Jerry C Puetz	Date 9/26/2001	Time	Delivery by: Dana Meloun	Date 9/27/2001 Time 11:47
Received by:		Date	Time	Relinquished by:	Date Time
Received by:		Date	Time	Relinquished by:	Date Time
Received by:		Date	Time	Relinquished by:	Date Time
Received for lab by: Susan M. Ackerson	9-27-01	Time 1147		Relinquished by:	Date Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☐ Yes ☐ No ☐ N/A ice 0°

Final Disposition:	Comments (Weather Conditions, Precautions, Hazards):

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

CHAIN OF CUSTODY RECORD

№ 32496

Contact Person Jerry Puetz
Phone No. 355-4304 Office Schofield
Project No. 26788XF PO No.
Project Name Former Langlade Oil

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

RECORD NUMBER _____ THROUGH _____
Laboratory US Filter
Contact Person
Phone No.
Results Due

Sample I.D.	Date 2001	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data pH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
B-13(1)	9/26		X		3	Soil	1	2	08082455				GRO, DRO, PVOCs, Total Solids	2-20z ambers 1-T> cup
B-13(2)	↓		↓		3	↓	1	2	08082456				↓	↓
B-14(1)					3		1	2	08082457					
B-14(2)					3		1	2	08082458					

Collected by:	Jerry C Puetz	Date 9/26/2001	Time 15:00	Delivery by: Steve McDonald	Date 9/27/2001 Time 11:47
Received by:		Date	Time	Relinquished by:	Date Time
Received by:		Date	Time	Relinquished by:	Date Time
Received by:		Date	Time	Relinquished by:	Date Time
Received for lab by:	Jessa M. Austin	Date 9-27-01	Time 1147	Relinquished by:	Date Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☑ Yes ☐ No ☐ N/A air 0 °C

Final Disposition:	Comments (Weather Conditions, Precautions, Hazards):

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

CHAIN OF CUSTODY RECORD

№ 32497

RECORD NUMBER ______ THROUGH ______

Contact Person: Jerry Puetz
Phone No.: 355-4304 Office: Schofield
Project No.: 26788XF PO No.:
Project Name: Former Langlade Oil

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

Laboratory: US Filter
Contact Person:
Phone No.:
Results Due:

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
	2001													1-TS cup, 2-2oz amber, 1 4oz jar
B-3 (1)	9-26		X		4	Soil	08082446						GRO, VOCs, PAHs, Lead, DRO, Total Solids	
B-9 (1)	↓		X		↓	↓	08082447						↓	
B-12 (1)	↓		X		↓	↓	08082448						↓	
B-3 (2)	↓		X		3	↓	08082449						GRO/PVOCs, DRO, Total Solids	1-TS cup, 2-2oz amber
B-9 (2)	↓		X		↓	↓	08082450						↓	↓
B-8 (1) 8(1A) on bottles use 1A on sts	↓		X		↓	↓	08082451						↓	↓
B-8 (2)	↓		X		↓	↓	08082452						↓	↓
B-10 (1)	↓		X		↓	↓	08082453						↓	↓
B-10 (2)	↓		X		↓	↓	08082454						↓	↓

Collected by: Jerry C Puetz	Date 9/26/2001	Time	Delivery by: [signature]	Date 9/27/2001	Time 11:47
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: Susan McArdle	Date 9-27-01	Time 1147	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☒ Yes ☐ No ☐ N/A mia 0°C

Final Disposition:

Comments (Weather Conditions, Precautions, Hazards):

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

November 8, 2001

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

Attn: Jerry Puetz

REPORT NO.: 085863 **PROJECT NO.: 26788XF**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received November 2, 2001.

All analyses were performed in accordance with approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

Liz DeCleene
Analytical Chemist

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by: _____

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Summary

085863.2

Lab Id	Client Sample ID	Date/Time	Matrix
085863	B-15 1	11/01/01 12:40	SOIL
085864	MW-8 2A	11/01/01 13:30	SOIL
085865	MEOH BLANK-USF	11/01/01	SOIL

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts

µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 085863.3
DATE REC'D : 11/02/01
REPORT DATE: 11/08/01
PREPARED BY: LTD

Attn: Jerry Puetz

Sample ID: **B-15 1** Matrix: **SOIL** Sample Date/Time: **11/01/01 12:40** Lab No. **085863**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		11/08/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		11/08/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		11/08/01	LMP
Toluene	<0.025	mg/kg	0.007	0.0233	1		11/08/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.012	0.04	1		11/08/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		11/08/01	LMP
m- & p-Xylene	<0.025	mg/kg	0.015	0.05	1		11/08/01	LMP
o-Xylene	<0.025	mg/kg	0.008	0.0266	1		11/08/01	LMP
MOSA21-2								
Total Solids	95.3	%	-	0.33	-		11/02/01	LMV
WI DNR								
Soil Diesel Range Organics	<5.25	mg/kg	2.15	7.16	1		11/06/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		11/06/01	CKV
Soil Gasoline Range Organic	<5.25	mg/kg	2.0	6.66	1		11/08/01	LMP

Sample ID: **MW-8 2A** Matrix: **SOIL** Sample Date/Time: **11/01/01 13:30** Lab No. **085864**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.025	mg/kg	0.008	0.0266	1		11/08/01	LMP
Ethylbenzene	<0.025	mg/kg	0.007	0.0233	1		11/08/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/kg	0.018	0.0599	1		11/08/01	LMP
Toluene	0.0547	mg/kg	0.007	0.0233	1		11/08/01	LMP
1,2,4-Trimethylbenzene	0.0583	mg/kg	0.012	0.04	1		11/08/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.01	0.0333	1		11/08/01	LMP
m- & p-Xylene	0.0761	mg/kg	0.015	0.05	1		11/08/01	LMP
o-Xylene	0.064	mg/kg	0.008	0.0266	1		11/08/01	LMP
MOSA21-2								
Total Solids	77.4	%	-	0.33	-		11/02/01	LMV
WI DNR								
Soil Diesel Range Organics	39.1	mg/kg	2.15	7.16	1	D1 D5	11/06/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		11/06/01	CKV
Soil Gasoline Range Organic	<6.46	mg/kg	2.0	6.66	1		11/08/01	LMP

All results calculated on a dry weight basis.

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
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FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 085863.4
DATE REC'D : 11/02/01
REPORT DATE: 11/08/01
PREPARED BY: LTD

Attn: Jerry Puetz

Sample ID: **MEOH BLANK-USF** Matrix: **SOIL** Sample Date/Time: **11/01/01** Lab No. **085865**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.025	mg/l	0.008	0.0266	1		11/08/01	LMP
Ethylbenzene	<0.025	mg/l	0.007	0.0233	1		11/08/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/l	0.018	0.0599	1		11/08/01	LMP
Toluene	<0.025	mg/l	0.007	0.0233	1		11/08/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/l	0.012	0.04	1		11/08/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/l	0.01	0.0333	1		11/08/01	LMP
m- & p-Xylene	<0.025	mg/l	0.015	0.05	1		11/08/01	LMP
o-Xylene	<0.025	mg/l	0.008	0.0266	1		11/08/01	LMP
WI DNR								
Soil Gasoline Range Organic	<2.50	mg/l	2.0	6.66	1		11/08/01	LMP

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STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

Attn: Jerry Puetz

PROJECT NO.: 26788XF
REPORT NO. : 085863.5
DATE REC'D : 11/02/01
REPORT DATE: 11/08/01
PREPARED BY: LTD

Qualifier Descriptions

D1	The chromatogram is characteristic for a fuel oil/ diesel. (i.e. #1 or #2 Diesel, jet fuel, kerosene, aged or degraded diesel, etc.)
D5	The chromatogram contained significant peaks and a raised baseline outside the DRO window.

CHAIN OF CUSTODY RECORD

№ 32511

Contact Person Jerry Puetz
Phone No. 355-4304 Office Schofield
Project No. 26788XF PO No.
Project Name Former Langlade Oil

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

RECORD NUMBER _____ THROUGH _____
Laboratory US Filter
Contact Person
Phone No.
Results Due

Sample I.D.	Date 2001	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
B-15(1)	11/01	12:40	X		3	Soil	1	2		14085863			GRO, PVOCs, DRO, Total Solids	1-TS cup 2-202 amber
MW-8(2A)	↓	13:30	↓		3	↓	1	2		14085864			↓	
Methanol Blank	—	—	—		1	MeOH	1			14085865			PVOCs	1 vial no info

Collected by:	Jerry C Puetz	Date	11/01/2001	Time	
Received by:		Date		Time	
Received by:		Date		Time	
Received by:		Date		Time	
Received for lab by:		Date	11-2-01	Time	1002

Delivery by:		Date		Time	
Relinquished by:		Date	~~10-0~~ 11/2/01	Time	10:02 AM
Relinquished by:		Date		Time	
Relinquished by:		Date		Time	
Relinquished by:		Date		Time	

Laboratory Comments Only: Seals Intact Upon Receipt? ☑ Yes ☐ No ☐ N/A n/a

Final Disposition:	Comments (Weather Conditions, Precautions, Hazards):

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

November 28, 2001

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

Attn: Jerry Puetz

REPORT NO.: 086207 **PROJECT NO.: 26788XF**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received November 8, 2001.

All analyses were performed in accordance with approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

Laurie M. Pietrowski
Senior Analytical Chemist

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by: James R. Saltzwski

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Summary

086207.2

Lab Id	Client Sample ID	Date/Time	Matrix
086207	MW-1	11/08/01 10:00	WATER
086208	MW-2	11/08/01 12:20	WATER
086209	MW-3	11/08/01 13:40	WATER
086210	MW-4	11/08/01 08:30	WATER
086211	MW-5	11/08/01 11:50	WATER
086212	MW-6	11/08/01 11:00	WATER
086213	MW-7	11/08/01 10:25	WATER
086214	MW-8	11/08/01 09:10	WATER
086215	DUP-1	11/08/01 13:50	WATER
086216	PZ-1	11/08/01 13:10	WATER
086217	TRIP BLANK-USF	11/08/01	WATER

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts

µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand

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Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.3
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-1** Matrix: **WATER** Sample Date/Time: **11/08/01 10:00** Lab No. **086207**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Diss. Lead	<1.00	µg/l	1.0	3.33	1		11/27/01	JCH
EPA 300.0								
Diss. Sulfate	11.3	mg/l	-	5.0	1		11/09/01	GAG
EPA 353.1								
Diss. NO3+NO2-N	0.86	mg/l	-	0.3	1		11/15/01	EAZ
EPA 6010								
Diss. Iron	0.232	mg/l	-	0.01	1		11/13/01	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		11/17/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		11/17/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		11/17/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1	DUP	11/17/01	LMP
sec-Butylbenzene	<0.19	µg/l	0.19	0.633	1		11/17/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		11/17/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		11/17/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		11/17/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		11/17/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		11/17/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		11/17/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		11/17/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		11/17/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		11/17/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1	CSH	11/17/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		11/17/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		11/17/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		11/17/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		11/17/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	11/17/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		11/17/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1	CSL	11/17/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		11/17/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		11/17/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		11/17/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		11/17/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1	CSL	11/17/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		11/17/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		11/17/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		11/17/01	LMP
Isopropylbenzene	<0.17	µg/l	0.17	0.566	1		11/17/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		11/17/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		11/17/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		11/17/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		11/17/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		11/17/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		11/17/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/17/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1		11/17/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		11/17/01	LMP

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.4
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-1** Matrix: **WATER** Sample Date/Time: **11/08/01 10:00** Lab No. **086207**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		11/17/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		11/17/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/17/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/17/01	LMP
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/17/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		11/17/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		11/17/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		11/17/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		11/17/01	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		11/17/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		11/17/01	LMP
WI DNR								
Diesel Range Organics	174.	µg/l	33.0	110.	1	D3 D5	11/13/01	LTD
Water Org Ext - DRO	COMP		-	-	-		11/13/01	CKV
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		11/14/01	LMP

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STS CONSULTANTS
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Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.5
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-2** Matrix: **WATER** Sample Date/Time: **11/08/01 12:20** Lab No. **086208**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Diss. Lead	<1.00	µg/l	1.0	3.33	1		11/27/01	JCH
EPA 300.0								
Diss. Sulfate	10.5	mg/l	-	5.0	1		11/09/01	GAG
EPA 353.1								
Diss. NO3+NO2-N	<0.3	mg/l	-	0.3	1		11/15/01	EAZ
EPA 6010								
Diss. Iron	0.271	mg/l	-	0.01	1		11/13/01	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		11/17/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		11/17/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		11/17/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1	DUP	11/17/01	LMP
sec-Butylbenzene	<0.19	µg/l	0.19	0.633	1		11/17/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		11/17/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		11/17/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		11/17/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		11/17/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		11/17/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		11/17/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		11/17/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		11/17/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		11/17/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1	CSH	11/17/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		11/17/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		11/17/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		11/17/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		11/17/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	11/17/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		11/17/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1	CSL	11/17/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		11/17/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		11/17/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		11/17/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		11/17/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1	CSL	11/17/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		11/17/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		11/17/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		11/17/01	LMP
Isopropylbenzene	<0.17	µg/l	0.17	0.566	1		11/17/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		11/17/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		11/17/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		11/17/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		11/17/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		11/17/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		11/17/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/17/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1		11/17/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		11/17/01	LMP

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.6
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-2** Matrix: **WATER** Sample Date/Time: **11/08/01 12:20** Lab No. **086208**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		11/17/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		11/17/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/17/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/17/01	LMP
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/17/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		11/17/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		11/17/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		11/17/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		11/17/01	LMP
m- & p-Xylene	0.455	µg/l	0.4	1.33	1	J	11/17/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		11/17/01	LMP
WI DNR								
Diesel Range Organics	511.	µg/l	33.0	110.	1	D1 D5	11/13/01	LTD
Water Org Ext - DRO	COMP		-	-	-		11/13/01	CKV
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		11/15/01	LMP

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.7
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-3** Matrix: **WATER** Sample Date/Time: **11/08/01 13:40** Lab No. **086209**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Diss. Lead	<1.00	µg/l	1.0	3.33	1		11/27/01	JCH
EPA 300.0								
Diss. Sulfate	6.67	mg/l	-	5.0	1		11/09/01	GAG
EPA 353.1								
Diss. NO3+NO2-N	<0.3	mg/l	-	0.3	1		11/15/01	EAZ
EPA 6010								
Diss. Iron	1.44	mg/l	-	0.01	1		11/13/01	BMS
EPA 8021								
Benzene	2.17	µg/l	0.16	0.533	1		11/17/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		11/17/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		11/17/01	LMP
n-Butylbenzene	4.18	µg/l	0.24	0.799	1	DUP	11/17/01	LMP
sec-Butylbenzene	4.57	µg/l	0.19	0.633	1		11/17/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		11/17/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		11/17/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		11/17/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		11/17/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		11/17/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		11/17/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		11/17/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		11/17/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		11/17/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1	CSH	11/17/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		11/17/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		11/17/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		11/17/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		11/17/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	11/17/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		11/17/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1	CSL	11/17/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		11/17/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		11/17/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		11/17/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		11/17/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1	CSL	11/17/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		11/17/01	LMP
Ethylbenzene	1.13	µg/l	0.5	1.67	1	J	11/17/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		11/17/01	LMP
Isopropylbenzene	3.01	µg/l	0.17	0.566	1		11/17/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		11/17/01	LMP
p-Isopropyltoluene	3.55	µg/l	0.19	0.633	1		11/17/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		11/17/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		11/17/01	LMP
Naphthalene	28.9	µg/l	0.8	2.66	1		11/17/01	LMP
n-Propylbenzene	3.78	µg/l	0.16	0.533	1		11/17/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/17/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1		11/17/01	LMP
Toluene	0.543	µg/l	0.4	1.33	1	J	11/17/01	LMP

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.8
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-3** Matrix: **WATER** Sample Date/Time: **11/08/01 13:40** Lab No. **086209**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		11/17/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		11/17/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/17/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/17/01	LMP
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/17/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		11/17/01	LMP
1,2,4-Trimethylbenzene	35.4	µg/l	0.4	1.33	1		11/17/01	LMP
1,3,5-Trimethylbenzene	10.9	µg/l	0.17	0.566	1		11/17/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		11/17/01	LMP
m- & p-Xylene	41.7	µg/l	0.4	1.33	1		11/17/01	LMP
o-Xylene	0.44	µg/l	0.17	0.566	1	J	11/17/01	LMP
WI DNR								
Diesel Range Organics	4,820.	µg/l	33.0	110.	1	D1	11/13/01	LTD
Water Org Ext - DRO	COMP		-	-	-		11/13/01	CKV
Gasoline Range Organics	326.	µg/l	31.0	103.	1	G8 G6	11/15/01	LMP

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3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.9
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-4** Matrix: **WATER** Sample Date/Time: **11/08/01 08:30** Lab No. **086210**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Diss. Lead	<1.00	µg/l	1.0	3.33	1		11/27/01	JCH
EPA 300.0								
Diss. Sulfate	22.9	mg/l	-	5.0	1		11/09/01	GAG
EPA 353.1								
Diss. NO3+NO2-N	<0.3	mg/l	-	0.3	1		11/15/01	EAZ
EPA 6010								
Diss. Iron	1.22	mg/l	-	0.01	1		11/13/01	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
sec-Butylbenzene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		11/16/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		11/16/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		11/16/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	11/16/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1	DUP	11/16/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		11/16/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		11/16/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		11/16/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		11/16/01	LMP
Isopropylbenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		11/16/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

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STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.10
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-4** Matrix: **WATER** Sample Date/Time: **11/08/01 08:30** Lab No. **086210**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1	DUP	11/16/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
WI DNR								
Diesel Range Organics	375.	µg/l	33.0	110.	1	D2 D5	11/13/01	LTD
Water Org Ext - DRO	COMP		-	-	-		11/13/01	CKV
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		11/15/01	LMP

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Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.11
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-5** Matrix: **WATER** Sample Date/Time: **11/08/01 11:50** Lab No. **086211**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Diss. Lead	<1.00	µg/l	1.0	3.33	1		11/27/01	JCH
EPA 300.0								
Diss. Sulfate	<5.00	mg/l	-	5.0	1		11/09/01	GAG
EPA 353.1								
Diss. NO3+NO2-N	<0.3	mg/l	-	0.3	1		11/15/01	EAZ
EPA 6010								
Diss. Iron	0.834	mg/l	-	0.01	1		11/19/01	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
sec-Butylbenzene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		11/16/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		11/16/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		11/16/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	11/16/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1	DUP	11/16/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		11/16/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		11/16/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		11/16/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		11/16/01	LMP
Isopropylbenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		11/16/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.12
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-5** Matrix: **WATER** Sample Date/Time: **11/08/01 11:50** Lab No. **086211**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1	DUP	11/16/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
WI DNR								
Diesel Range Organics	712.	µg/l	33.0	110.	1	D1 D5	11/13/01	LTD
Water Org Ext - DRO	COMP		-	-	-		11/13/01	CKV
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		11/15/01	LMP

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

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3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.13
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-6** Matrix: **WATER** Sample Date/Time: **11/08/01 11:00** Lab No. **086212**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Diss. Lead	<1.00	µg/l	1.0	3.33	1		11/27/01	JCH
EPA 300.0								
Diss. Sulfate	5.39	mg/l	-	5.0	1		11/09/01	GAG
EPA 353.1								
Diss. NO3+NO2-N	<0.3	mg/l	-	0.3	1		11/15/01	EAZ
EPA 6010								
Diss. Iron	1.31	mg/l	-	0.01	1		11/19/01	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
sec-Butylbenzene	1.76	µg/l	0.19	0.633	1		11/16/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		11/16/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		11/16/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		11/16/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	11/16/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1	DUP	11/16/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		11/16/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		11/16/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		11/16/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		11/16/01	LMP
Isopropylbenzene	1.19	µg/l	0.17	0.566	1		11/16/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Naphthalene	0.832	µg/l	0.8	2.66	1	J	11/16/01	LMP
n-Propylbenzene	1.01	µg/l	0.16	0.533	1		11/16/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP

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301 WEST MILITARY ROAD
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TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.14
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-6** Matrix: **WATER** Sample Date/Time: **11/08/01 11:00** Lab No. **086212**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1	DUP	11/16/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2,4-Trimethylbenzene	3.07	µg/l	0.4	1.33	1		11/16/01	LMP
1,3,5-Trimethylbenzene	1.08	µg/l	0.17	0.566	1		11/16/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
m- & p-Xylene	1.25	µg/l	0.4	1.33	1	J	11/16/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
WI DNR								
Diesel Range Organics	669.	µg/l	33.0	110.	1	D1 D5	11/13/01	LTD
Water Org Ext - DRO	COMP		-	-	-		11/13/01	CKV
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		11/15/01	LMP

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Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.15
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-7** Matrix: **WATER** Sample Date/Time: **11/08/01 10:25** Lab No. **086213**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Diss. Lead	<1.00	µg/l	1.0	3.33	1		11/27/01	JCH
EPA 300.0								
Diss. Sulfate	14.2	mg/l	-	5.0	1		11/09/01	GAG
EPA 353.1								
Diss. NO3+NO2-N	<0.3	mg/l	-	0.3	1		11/15/01	EAZ
EPA 6010								
Diss. Iron	0.563	mg/l	-	0.01	1		11/19/01	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
sec-Butylbenzene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		11/16/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		11/16/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		11/16/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	11/16/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1	DUP	11/16/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		11/16/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		11/16/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		11/16/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		11/16/01	LMP
Isopropylbenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		11/16/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP

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Schofield, WI 54476

Attn: Jerry Puetz

PROJECT NO.: 26788XF
REPORT NO. : 086207.16
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Sample ID: **MW-7** Matrix: **WATER** Sample Date/Time: **11/08/01 10:25** Lab No. **086213**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1	DUP	11/16/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
WI DNR								
Diesel Range Organics	187.	µg/l	33.0	110.	1	D3 D5	11/13/01	LTD
Water Org Ext - DRO	COMP		-	-	-		11/13/01	CKV
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		11/15/01	LMP

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PROJECT NO.: 26788XF
REPORT NO. : 086207.17
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-8** Matrix: **WATER** Sample Date/Time: **11/08/01 09:10** Lab No. **086214**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Diss. Lead	<1.00	µg/l	1.0	3.33	1		11/27/01	JCH
EPA 300.0								
Diss. Sulfate	<5.00	mg/l	-	5.0	1		11/09/01	GAG
EPA 353.1								
Diss. NO3+NO2-N	<0.3	mg/l	-	0.3	1		11/15/01	EAZ
EPA 6010								
Diss. Iron	6.97	mg/l	-	0.01	1		11/19/01	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
sec-Butylbenzene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		11/16/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		11/16/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		11/16/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	11/16/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1	DUP	11/16/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		11/16/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		11/16/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		11/16/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		11/16/01	LMP
Isopropylbenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		11/16/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

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3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.18
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-8** Matrix: **WATER** Sample Date/Time: **11/08/01 09:10** Lab No. **086214**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1	DUP	11/16/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
WI DNR								
Diesel Range Organics	270.	µg/l	33.0	110.	1	D3 D5	11/14/01	LTD
Water Org Ext - DRO	COMP		-	-	-		11/13/01	CKV
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		11/15/01	LMP

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TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
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Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.19
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **DUP-1** Matrix: **WATER** Sample Date/Time: **11/08/01 13:50** Lab No. **086215**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Diss. Lead	<1.00	µg/l	1.0	3.33	1		11/27/01	JCH
EPA 300.0								
Diss. Sulfate	6.66	mg/l	-	5.0	1		11/09/01	GAG
EPA 353.1								
Diss. NO3+NO2-N	<0.3	mg/l	-	0.3	1		11/15/01	EAZ
EPA 6010								
Diss. Iron	1.02	mg/l	-	0.01	1		11/19/01	BMS
EPA 8021								
Benzene	2.64	µg/l	0.16	0.533	5		11/16/01	LMP
Bromobenzene	<1.20	µg/l	0.24	0.799	5		11/16/01	LMP
Bromodichloromethane	<1.00	µg/l	0.2	0.666	5		11/16/01	LMP
n-Butylbenzene	8.48	µg/l	0.24	0.799	5		11/16/01	LMP
sec-Butylbenzene	6.15	µg/l	0.19	0.633	5		11/16/01	LMP
tert-Butylbenzene	<0.9	µg/l	0.18	0.599	5		11/16/01	LMP
Carbon Tetrachloride	<1.50	µg/l	0.3	0.999	5		11/16/01	LMP
Chlorobenzene	<0.85	µg/l	0.17	0.566	5		11/16/01	LMP
Dibromochloromethane	<1.10	µg/l	0.22	0.733	5		11/16/01	LMP
Chloroethane	<1.25	µg/l	0.25	0.833	5		11/16/01	LMP
Chloroform	<1.20	µg/l	0.24	0.799	5		11/16/01	LMP
Chloromethane	<0.75	µg/l	0.15	0.5	5		11/16/01	LMP
2-Chlorotoluene	<1.20	µg/l	0.24	0.799	5		11/16/01	LMP
4-Chlorotoluene	<1.35	µg/l	0.27	0.899	5		11/16/01	LMP
Dibromochloropropane(DBCP)	<0.75	µg/l	0.15	0.5	5		11/16/01	LMP
1,2-Dibromoethane(EDB)	<0.95	µg/l	0.19	0.633	5		11/16/01	LMP
1,2-Dichlorobenzene	<1.80	µg/l	0.36	1.2	5		11/16/01	LMP
1,3-Dichlorobenzene	<1.40	µg/l	0.28	0.932	5		11/16/01	LMP
1,4-Dichlorobenzene	<1.35	µg/l	0.27	0.899	5		11/16/01	LMP
Dichlorodifluoromethane	<1.25	µg/l	0.25	0.833	5	CSL	11/16/01	LMP
1,1-Dichloroethane	<1.90	µg/l	0.38	1.27	5		11/16/01	LMP
1,2-Dichloroethane	<1.40	µg/l	0.28	0.932	5	DUP	11/16/01	LMP
1,1-Dichloroeth(yl)ene	<1.90	µg/l	0.38	1.27	5		11/16/01	LMP
cis-1,2-Dichloroeth(yl)ene	<1.25	µg/l	0.25	0.833	5		11/16/01	LMP
trans-1,2-Dichloroethylene	<1.25	µg/l	0.25	0.833	5		11/16/01	LMP
1,2-Dichloropropane	<1.75	µg/l	0.35	1.17	5		11/16/01	LMP
1,3-Dichloropropane	<1.30	µg/l	0.26	0.866	5		11/16/01	LMP
2,2-Dichloropropane	<1.45	µg/l	0.29	0.966	5		11/16/01	LMP
Ethylbenzene	<2.50	µg/l	0.5	1.67	5		11/16/01	LMP
Hexachlorobutadiene	<5.00	µg/l	1.0	3.33	5		11/16/01	LMP
Isopropylbenzene	2.69	µg/l	0.17	0.566	5		11/16/01	LMP
Isopropyl Ether	<0.75	µg/l	0.15	0.5	5		11/16/01	LMP
p-Isopropyltoluene	7.95	µg/l	0.19	0.633	5		11/16/01	LMP
Methyl t-Butyl Ether(MTBE)	<1.50	µg/l	0.3	0.999	5		11/16/01	LMP
Methylene Chloride	<1.50	µg/l	0.3	0.999	5		11/16/01	LMP
Naphthalene	36.3	µg/l	0.8	2.66	5		11/16/01	LMP
n-Propylbenzene	5.26	µg/l	0.16	0.533	5		11/16/01	LMP
Tetrachloroeth(yl)ene	<1.30	µg/l	0.26	0.866	5		11/16/01	LMP
1,1,2,2-Tetrachloroethane	<1.40	µg/l	0.28	0.932	5		11/16/01	LMP
Toluene	<2.00	µg/l	0.4	1.33	5		11/16/01	LMP

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

a VIVENDI water company

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.20
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **DUP-1** Matrix: **WATER** Sample Date/Time: **11/08/01 13:50** Lab No. **086215**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
1,2,3-Trichlorobenzene	<2.00	µg/l	0.4	1.33	5		11/16/01	LMP
1,2,4-Trichlorobenzene	<1.90	µg/l	0.38	1.27	5		11/16/01	LMP
1,1,1-Trichloroethane	<1.00	µg/l	0.2	0.666	5	DUP	11/16/01	LMP
1,1,2-Trichloroethane	<1.00	µg/l	0.2	0.666	5		11/16/01	LMP
Trichloroeth(yl)ene	<1.30	µg/l	0.26	0.866	5		11/16/01	LMP
Trichlorofluoromethane	<0.75	µg/l	0.15	0.5	5		11/16/01	LMP
1,2,4-Trimethylbenzene	60.0	µg/l	0.4	1.33	5		11/16/01	LMP
1,3,5-Trimethylbenzene	20.3	µg/l	0.17	0.566	5		11/16/01	LMP
Vinyl Chloride	<1.50	µg/l	0.3	0.999	5		11/16/01	LMP
m- & p-Xylene	51.3	µg/l	0.4	1.33	5		11/16/01	LMP
o-Xylene	<0.85	µg/l	0.17	0.566	5		11/16/01	LMP
WI DNR								
Diesel Range Organics	2,190.	µg/l	33.0	110.	1	D1	11/14/01	LTD
Water Org Ext - DRO	COMP		-	-	-		11/13/01	CKV
Gasoline Range Organics	2,260.	µg/l	31.0	103.	5	G2 G6	11/15/01	LMP

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.21
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **PZ-1** Matrix: **WATER** Sample Date/Time: **11/08/01 13:10** Lab No. **086216**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 200.9								
Diss. Lead	<1.00	µg/l	1.0	3.33	1		11/27/01	JCH
EPA 300.0								
Diss. Sulfate	<5.00	mg/l	-	5.0	1		11/09/01	GAG
EPA 353.1								
Diss. NO3+NO2-N	<0.3	mg/l	-	0.3	1		11/15/01	EAZ
EPA 6010								
Diss. Iron	0.429	mg/l	-	0.01	1		11/19/01	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
sec-Butylbenzene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		11/16/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		11/16/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		11/16/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	11/16/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1	DUP	11/16/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		11/16/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		11/16/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		11/16/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		11/16/01	LMP
Isopropylbenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		11/16/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP

All Analyses conducted in accordance with USFilter Quality Assurance Program
Wisconsin Lab Certification No. 737053130

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.22
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **PZ-1** Matrix: **WATER** Sample Date/Time: **11/08/01 13:10** Lab No. **086216**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1	DUP	11/16/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
WI DNR								
Diesel Range Organics	197.	µg/l	33.0	110.	1	D1 D5	11/14/01	LTD
Water Org Ext - DRO	COMP		-	-	-		11/13/01	CKV
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		11/15/01	LMP

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 086207.23
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **TRIP BLANK-USF** Matrix: **WATER** Sample Date/Time: **11/08/01** Lab No. **086217**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Bromobenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Bromodichloromethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
n-Butylbenzene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
sec-Butylbenzene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
tert-Butylbenzene	<0.18	µg/l	0.18	0.599	1		11/16/01	LMP
Carbon Tetrachloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Chlorobenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Dibromochloromethane	<0.22	µg/l	0.22	0.733	1		11/16/01	LMP
Chloroethane	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
Chloroform	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
Chloromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
2-Chlorotoluene	<0.24	µg/l	0.24	0.799	1		11/16/01	LMP
4-Chlorotoluene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dibromochloropropane(DBCP)	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2-Dibromoethane(EDB)	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
1,2-Dichlorobenzene	<0.36	µg/l	0.36	1.2	1		11/16/01	LMP
1,3-Dichlorobenzene	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
1,4-Dichlorobenzene	<0.27	µg/l	0.27	0.899	1		11/16/01	LMP
Dichlorodifluoromethane	<0.25	µg/l	0.25	0.833	1	CSL	11/16/01	LMP
1,1-Dichloroethane	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,2-Dichloroethane	<0.28	µg/l	0.28	0.932	1	DUP	11/16/01	LMP
1,1-Dichloroeth(yl)ene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
cis-1,2-Dichloroeth(yl)ene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
trans-1,2-Dichloroethylene	<0.25	µg/l	0.25	0.833	1		11/16/01	LMP
1,2-Dichloropropane	<0.35	µg/l	0.35	1.17	1		11/16/01	LMP
1,3-Dichloropropane	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
2,2-Dichloropropane	<0.29	µg/l	0.29	0.966	1		11/16/01	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		11/16/01	LMP
Hexachlorobutadiene	<1.00	µg/l	1.0	3.33	1		11/16/01	LMP
Isopropylbenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Isopropyl Ether	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
p-Isopropyltoluene	<0.19	µg/l	0.19	0.633	1		11/16/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Methylene Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
Naphthalene	<0.8	µg/l	0.8	2.66	1		11/16/01	LMP
n-Propylbenzene	<0.16	µg/l	0.16	0.533	1		11/16/01	LMP
Tetrachloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
1,1,2,2-Tetrachloroethane	<0.28	µg/l	0.28	0.932	1		11/16/01	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,2,3-Trichlorobenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,2,4-Trichlorobenzene	<0.38	µg/l	0.38	1.27	1		11/16/01	LMP
1,1,1-Trichloroethane	<0.2	µg/l	0.2	0.666	1	DUP	11/16/01	LMP
1,1,2-Trichloroethane	<0.2	µg/l	0.2	0.666	1		11/16/01	LMP
Trichloroeth(yl)ene	<0.26	µg/l	0.26	0.866	1		11/16/01	LMP
Trichlorofluoromethane	<0.15	µg/l	0.15	0.5	1		11/16/01	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
Vinyl Chloride	<0.3	µg/l	0.3	0.999	1		11/16/01	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		11/16/01	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		11/16/01	LMP
WI DNR								
Gasoline Range Organics	<50.0	µg/l	31.0	103.	1		11/15/01	LMP

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

Attn: Jerry Puetz

PROJECT NO.: 26788XF
REPORT NO. : 086207.24
DATE REC'D : 11/08/01
REPORT DATE: 11/28/01
PREPARED BY: LMP

Qualifier Descriptions

DUP	Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.
CSH	Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
CSL	Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
D3	The chromatogram is not characteristic for diesel or any single common petroleum product.
D5	The chromatogram contained significant peaks and a raised baseline outside the DRO window.
J	Estimated concentration below laboratory quantitation level.
D1	The chromatogram is characteristic for a fuel oil/ diesel. (i.e. #1 or #2 Diesel, jet fuel, kerosene, aged or degraded diesel, etc.)
G8	The chromatogram is characteristic for aged gasoline, however either additional peaks are present or PVOC peaks are not proportional to aged gasoline indicating the presence of additional compounds.
G6	The chromatogram contains a significant number of peaks and a raised baseline outside the GRO window.
D2	The chromatogram is not characteristic for diesel. It has the characteristics of a product which has significant peaks within the DRO window.
G2	The chromatogram has characteristics of an aged gasoline sample.

CHAIN OF CUSTODY RECORD

№ 32505

Contact Person	Jerry Puetz
Phone No.	355-4304
Office	Schofield
Project No.	26788XF
PO No.	
Project Name	Former Langlade Oil

Special Handling Request

- ☐ Rush
- ☐ Verbal
- ☐ Other

RECORD NUMBER	
THROUGH	
Laboratory	US Filter
Contact Person	
Phone No.	
Results Due	

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
PZ-1 ~~TB-1~~	2001 11/08	1310	X		8	Water	7	1	18086216				-4 vials (B,C,I,D (liberate w/ HCl) VOCs (LUST), GRO, DRO, dissolved lead, dissolved iron, Soluble Sulfate, Nitrate + Nitrite	
TB-1	—	—	—		4	Water	4		18086217				VOCs (LUST), GRO	10-13-01 +B031 B126101VR

Collected by: Jerry C Puetz	Date 11/08/2001	Time 1310	Delivery by: Jerry C Puetz	Date 11/08/2001	Time 15:25
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: [signature]	Date 11-8-01	Time 1525	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☒ Yes ☐ No ☐ N/A [initials] 1°C

Final Disposition:

Comments (Weather Conditions, Precautions, Hazards):
Plastic sample containers are field filtered using a .45 micron disposable GW filter

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

CHAIN OF CUSTODY RECORD

№ 32503

Contact Person Jerry Puetz
Phone No. 355-4304 Office Schofield
Project No. 26788XF PO No.
Project Name Former Langlade Oil

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

RECORD NUMBER _____ THROUGH _____
Laboratory US Filter
Contact Person
Phone No.
Results Due

Sample I.D.	Date 2001	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
MW-1	11/08	10:00	X		8	water	7	1		18086207			VOCs (LUST), GRO, DRO, dissolved lead, dissolved iron,	
MW-2		12:20			8		7	1		18086208			Soluble Sulfate, Nitrate+Nitrite	
MW-3		13:40			8		7	1		18086209				
MW-4		08:30			8		7	1		18086210			for each spike &	1-1 liter amber w/HCl
MW-5		11:50			8		7	1		18086211				1C, 1B, 1D
MW-6		11:00			9		8	1		18086212				4 vials
MW-7		10:25			8		7	1		18086213				
MW-8		09:10			8		7	1		18086214				
Dup-1	↓	13:50	↓		8	↓	7	1		18086215			↓	↓

Collected by: Jerry C Puetz	Date 11/08/2001	Time 08:30	Delivery by: Jerry C Puetz	Date 11/08/2001	Time 15:25
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by:	Date 11-8-0	Time 1525	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☑ Yes ☐ No ☐ N/A on ice

QC

Final Disposition:	Comments (Weather Conditions, Precautions, Hazards):
Extra liter amber bottle from MW-6 HCl preserved is for lab QA/QC (DRO)	Plastic sample containers are field filtered using a .45 micron disposable GW filter

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consultants Engineers

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

December 4, 2001

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

Attn: Jerry Puetz

REPORT NO.: 087186 **PROJECT NO.: 26788XF**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received November 19, 2001.

All analyses were performed in accordance with approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

Liz DeCleene
Analytical Chemist

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by: _____

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Summary

087186.2

Lab Id	Client Sample ID	Date/Time	Matrix
087186	DRUM COMPOSITE	11/19/01 07:00	SOIL
087187	MEOH BLANK-USF	11/19/01	SOIL

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts

µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 087186.3
DATE REC'D : 11/19/01
REPORT DATE: 12/04/01
PREPARED BY: LTD

Attn: Jerry Puetz

Sample ID: **DRUM COMPOSITE** Matrix: **SOIL** Sample Date/Time: **11/19/01 07:00** Lab No. **087186**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 3050								
Metal Prep	COMP		-	-	-		11/28/01	JJP
EPA 6010								
Total Lead	16.1	mg/kg	0.33	1.1	1		11/29/01	DJB
EPA 8021 (Only positively identified analytes are reported on a dry weight basis								
Benzene	<0.1	mg/kg	0.008	0.0266	5		12/03/01	LMP
Ethylbenzene	<0.1	mg/kg	0.007	0.0233	5		12/03/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.1	mg/kg	0.018	0.0599	5		12/03/01	LMP
Toluene	<0.1	mg/kg	0.007	0.0233	5		12/03/01	LMP
1,2,4-Trimethylbenzene	3.33	mg/kg	0.012	0.04	5		12/03/01	LMP
1,3,5-Trimethylbenzene	1.69	mg/kg	0.01	0.0333	5		12/03/01	LMP
m- & p-Xylene	0.819	mg/kg	0.015	0.05	5		12/03/01	LMP
o-Xylene	<0.1	mg/kg	0.008	0.0266	5		12/03/01	LMP
MOSA21-2								
Total Solids	78.2	%	-	0.33	-		11/20/01	GAG
WI DNR								
Soil Diesel Range Organics	44.0	mg/kg	2.15	7.16	1	D1	11/29/01	LTD
Soil Org Ext - DRO	COMP		-	-	-		11/26/01	CKV
Soil Gasoline Range Organic	115.	mg/kg	2.0	6.66	5	G3 G6	12/03/01	LMP

Sample ID: **MEOH BLANK-USF** Matrix: **SOIL** Sample Date/Time: **11/19/01** Lab No. **087187**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.025	mg/l	0.008	0.0266	1		11/30/01	LMP
Ethylbenzene	<0.025	mg/l	0.007	0.0233	1		11/30/01	LMP
Methyl t-Butyl Ether(MTBE)	<0.025	mg/l	0.018	0.0599	1		11/30/01	LMP
Toluene	<0.025	mg/l	0.007	0.0233	1		11/30/01	LMP
1,2,4-Trimethylbenzene	<0.025	mg/l	0.012	0.04	1		11/30/01	LMP
1,3,5-Trimethylbenzene	<0.025	mg/l	0.01	0.0333	1		11/30/01	LMP
m- & p-Xylene	<0.025	mg/l	0.015	0.05	1		11/30/01	LMP
o-Xylene	<0.025	mg/l	0.008	0.0266	1		11/30/01	LMP
WI DNR								
Soil Gasoline Range Organic	<2.50	mg/l	2.0	6.66	1		11/30/01	LMP

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

Attn: Jerry Puetz

PROJECT NO.: 26788XF
REPORT NO. : 087186.4
DATE REC'D : 11/19/01
REPORT DATE: 12/04/01
PREPARED BY: LTD

Qualifier Descriptions

D1	The chromatogram is characteristic for a fuel oil/ diesel. (i.e. #1 or #2 Diesel, jet fuel, kerosene, aged or degraded diesel, etc.)
G3	The chromatogram in not characteristic for either gas or aged gas. It has a reportable concentration of peaks/area within the GRO window.
G6	The chromatogram contains a significant number of peaks and a raised baseline outside the GRO window.

CHAIN OF CUSTODY RECORD

№ 32528

Contact Person Jerry Puetz
Phone No. 355-4304 Office Schofield
Project No. 26788XF PO No.
Project Name Former Langlade Oil

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

RECORD NUMBER _____ THROUGH _____
Laboratory US Filter
Contact Person
Phone No.
Results Due

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
Drum Composite	2001 11/19	07:00		X	3	Soil	1	2	05087188				PVOCs, GRO, DRO, Lead, Total Solids	1-TCLP 1-202 nonpres. 1-202 D/Meoh
Methanol Blank	–		–		1	MeOH	1		05087187				PVOCs, GRO	Trip, acinfo.

Collected by: Gary Bowe	Date 11/19/2001	Time 07:00	Delivery by: Gary Bowe	Date 11/19/01	Time 2:00 pm
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: Sr Ander	Date 11-19-01	Time 200	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☑ Yes ☐ No ☐ N/A

Final Disposition:	Comments (Weather Conditions, Precautions, Hazards):

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Receipt Report

Client: STS (Schofield) Date Received: 11/19/01

Analytical No.: 5087186 Through 5087187

Check all deviations from EPA or WDNR sample protocol.

[ ] Sample(s) received at ____°C which is above the EPA and WDNR limit of 4°C.

[ ] VOC vial(s) received with headspace. Explain: _____

_____

[ ] Sample(s) received in bottles not furnished by Enviroscan. Preservation method, if used, is unknown.

[ ] Sample(s) not properly preserved per EPA/WDNR protocol for the following: _____

_____

[ ] Sample(s) received beyond EPA holding time for: _____

_____

[ ] Sample date/time not supplied by client. Actual holding time unknown.

[ ] GRO/PVOC/VOC/DRO (circle appropriate) sample(s) are <19.5 gms and this report is the flag for that information. Sample(s) under-weight:_____

_____

[ ] GRO/PVOC/VOC (circle appropriate) sample(s) were between 26.4-35.4 gms so methanol was added in a 1:1 ratio. Sample(s) included: 5087186 + 2ml.

_____

[ ] GRO/PVOC/VOC/DRO (circle appropriate) sample(s) were >35.4 gms and are required to be rejected. Sample(s) included:_____

[ ] Other: _____

_____

Client contact concerning the above deviations:

Client _____ (contact name) notified of the above deviation(s) on ___/___/__ at ___:___ am/pm by _____ and the client ordered:
(signature)

[ ] Proceed with analyses as ordered.

[ ] Proceed with analyses after taking the following corrective action: _____

_____

[ ] Do NOT proceed with analyses.

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

February 13, 2002

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

Attn: Jerry Puetz

REPORT NO.: 091924 **PROJECT NO.: 26788XF**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received January 28, 2002.

All analyses were performed in accordance with approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

Laurie M. Pietrowski
Senior Analytical Chemist

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by: James R. Salkowski

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Summary

091924.2

Lab Id	Client Sample ID	Date/Time	Matrix
091924	MW-1	01/28/02 09:10	WATER
091925	MW-2	01/28/02 12:15	WATER
091926	MW-3	01/28/02 13:20	WATER
091927	MW-4	01/28/02 10:15	WATER
091928	MW-5	01/28/02 11:45	WATER
091929	MW-6	01/28/02 11:15	WATER
091930	MW-7	01/28/02 10:35	WATER
091931	MW-8	01/28/02 09:35	WATER
091932	DUP-1	01/28/02 13:25	WATER
091933	PZ-1	01/28/02 13:00	WATER
091934	TRIP BLANK-USF	01/28/02	WATER

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts
pCi/l = picocurie per liter

µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand
(S) = Surrogate Compound

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 091924.3
DATE REC'D : 01/28/02
REPORT DATE: 02/13/02
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-1** Matrix: **WATER** Sample Date/Time: **01/28/02 09:10** Lab No. **091924**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 300.0								
Diss. Sulfate	17.1	mg/l	-	5.0	1		01/29/02	GAG
EPA 353.1								
Total NO3+NO2-N	3.62	mg/l	-	0.3	1		02/01/02	LCK
EPA 6010								
Diss. Iron	0.019	mg/l	-	0.01	1		02/05/02	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		01/31/02	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		01/31/02	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		01/31/02	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		01/31/02	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		01/31/02	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		01/31/02	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		01/31/02	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		01/31/02	LMP
WI DNR								
Diesel Range Organics	<100.	µg/l	-	100.	1		02/01/02	LTD
Water Org Ext - DRO	COMP		-	-	-		02/01/02	CKV
Gasoline Range Organics	<50.0	µg/l	-	50.0	1		01/31/02	LMP

Sample ID: **MW-2** Matrix: **WATER** Sample Date/Time: **01/28/02 12:15** Lab No. **091925**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 300.0								
Diss. Sulfate	9.39	mg/l	-	5.0	1		01/29/02	GAG
EPA 353.1								
Total NO3+NO2-N	<0.3	mg/l	-	0.3	1		02/01/02	LCK
EPA 6010								
Diss. Iron	0.582	mg/l	-	0.01	1		02/05/02	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		02/01/02	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/01/02	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		02/01/02	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,2,4-Trimethylbenzene	0.546	µg/l	0.4	1.33	1	J	02/01/02	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
WI DNR								
Diesel Range Organics	498.	µg/l	-	100.	1	D1	02/01/02	LTD
Water Org Ext - DRO	COMP		-	-	-		02/01/02	CKV
Gasoline Range Organics	<50.0	µg/l	-	50.0	1		02/01/02	LMP

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 091924.4
DATE REC'D : 01/28/02
REPORT DATE: 02/13/02
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-3** Matrix: **WATER** Sample Date/Time: **01/28/02 13:20** Lab No. **091926**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 300.0								
Diss. Sulfate	12.0	mg/l	-	5.0	1		01/29/02	GAG
EPA 353.1								
Total NO3+NO2-N	<0.3	mg/l	-	0.3	1		02/01/02	LCK
EPA 6010								
Diss. Iron	2.31	mg/l	-	0.01	1		02/05/02	BMS
EPA 8021								
Benzene	1.27	µg/l	0.16	0.533	1		02/01/02	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/01/02	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		02/01/02	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,2,4-Trimethylbenzene	12.6	µg/l	0.4	1.33	1		02/01/02	LMP
1,3,5-Trimethylbenzene	3.78	µg/l	0.17	0.566	1		02/01/02	LMP
m- & p-Xylene	11.2	µg/l	0.4	1.33	1		02/01/02	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
WI DNR								
Diesel Range Organics	2,030.	µg/l	-	100.	1	D1 D5	02/02/02	LTD
Water Org Ext - DRO	COMP		-	-	-		02/01/02	CKV
Gasoline Range Organics	98.1	µg/l	-	50.0	1	G8 G5	02/01/02	LMP

Sample ID: **MW-4** Matrix: **WATER** Sample Date/Time: **01/28/02 10:15** Lab No. **091927**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 300.0								
Diss. Sulfate	<5.00	mg/l	-	5.0	1		01/29/02	GAG
EPA 353.1								
Total NO3+NO2-N	<0.3	mg/l	-	0.3	1		02/01/02	LCK
EPA 6010								
Diss. Iron	2.11	mg/l	-	0.01	1		02/05/02	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		02/01/02	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/01/02	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		02/01/02	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
WI DNR								
Diesel Range Organics	168.	µg/l	-	100.	1	D3 D5	02/02/02	LTD
Water Org Ext - DRO	COMP		-	-	-		02/01/02	CKV
Gasoline Range Organics	<50.0	µg/l	-	50.0	1		02/01/02	LMP

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 091924.5
DATE REC'D : 01/28/02
REPORT DATE: 02/13/02
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-5** Matrix: **WATER** Sample Date/Time: **01/28/02 11:45** Lab No. **091928**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 300.0								
Diss. Sulfate	8.39	mg/l	-	5.0	1		01/29/02	GAG
EPA 353.1								
Total NO3+NO2-N	<0.3	mg/l	-	0.3	1		02/01/02	LCK
EPA 6010								
Diss. Iron	0.867	mg/l	-	0.01	1		02/05/02	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		02/01/02	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/01/02	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		02/01/02	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
WI DNR								
Diesel Range Organics	441.	µg/l	-	100.	1	D1 D5	02/02/02	LTD
Water Org Ext - DRO	COMP		-	-	-		02/01/02	CKV
Gasoline Range Organics	<50.0	µg/l	-	50.0	1		02/01/02	LMP

Sample ID: **MW-6** Matrix: **WATER** Sample Date/Time: **01/28/02 11:15** Lab No. **091929**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 300.0								
Diss. Sulfate	<5.00	mg/l	-	5.0	1		01/29/02	GAG
EPA 353.1								
Total NO3+NO2-N	<0.3	mg/l	-	0.3	1		02/01/02	LCK
EPA 6010								
Diss. Iron	3.37	mg/l	-	0.01	1		02/05/02	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		02/01/02	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/01/02	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		02/01/02	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,2,4-Trimethylbenzene	1.28	µg/l	0.4	1.33	1	J	02/01/02	LMP
1,3,5-Trimethylbenzene	0.614	µg/l	0.17	0.566	1		02/01/02	LMP
m- & p-Xylene	0.423	µg/l	0.4	1.33	1	J	02/01/02	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
WI DNR								
Diesel Range Organics	583.	µg/l	-	100.	1	D1 D5	02/02/02	LTD
Water Org Ext - DRO	COMP		-	-	-		02/01/02	CKV
Gasoline Range Organics	67.2	µg/l	-	50.0	1	G3 G6	02/01/02	LMP

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 091924.6
DATE REC'D : 01/28/02
REPORT DATE: 02/13/02
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **MW-7** Matrix: **WATER** Sample Date/Time: **01/28/02 10:35** Lab No. **091930**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 300.0								
Diss. Sulfate	13.2	mg/l	-	5.0	1		01/29/02	GAG
EPA 353.1								
Total NO3+NO2-N	<0.3	mg/l	-	0.3	1		02/01/02	LCK
EPA 6010								
Diss. Iron	0.813	mg/l	-	0.01	1		02/05/02	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		02/01/02	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/01/02	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		02/01/02	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
WI DNR								
Diesel Range Organics	122.	µg/l	-	100.	1	D3 D5	02/02/02	LTD
Water Org Ext - DRO	COMP		-	-	-		02/01/02	CKV
Gasoline Range Organics	<50.0	µg/l	-	50.0	1		00/00/00	LMP

Sample ID: **MW-8** Matrix: **WATER** Sample Date/Time: **01/28/02 09:35** Lab No. **091931**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 300.0								
Diss. Sulfate	<5.00	mg/l	-	5.0	1		01/29/02	GAG
EPA 353.1								
Total NO3+NO2-N	<0.3	mg/l	-	0.3	1		02/01/02	LCK
EPA 6010								
Diss. Iron	9.00	mg/l	-	0.01	1		02/05/02	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		02/01/02	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/01/02	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		02/01/02	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
WI DNR								
Diesel Range Organics	238.	µg/l	-	100.	1	D3 D5	02/02/02	LTD
Water Org Ext - DRO	COMP		-	-	-		02/01/02	CKV
Gasoline Range Organics	<50.0	µg/l	-	50.0	1		00/00/00	LMP

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 091924.7
DATE REC'D : 01/28/02
REPORT DATE: 02/13/02
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **DUP-1** Matrix: **WATER** Sample Date/Time: **01/28/02 13:25** Lab No. **091932**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 300.0								
Diss. Sulfate	11.9	mg/l	-	5.0	1		01/29/02	GAG
EPA 353.1								
Total NO3+NO2-N	<0.3	mg/l	-	0.3	1		02/01/02	LCK
EPA 6010								
Diss. Iron	2.28	mg/l	-	0.01	1		02/05/02	BMS
EPA 8021								
Benzene	1.11	µg/l	0.16	0.533	1		02/01/02	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/01/02	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		02/01/02	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,2,4-Trimethylbenzene	13.5	µg/l	0.4	1.33	1		02/01/02	LMP
1,3,5-Trimethylbenzene	4.23	µg/l	0.17	0.566	1		02/01/02	LMP
m- & p-Xylene	10.6	µg/l	0.4	1.33	1		02/01/02	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
WI DNR								
Diesel Range Organics	949.	µg/l	-	100.	1	D1 D5	02/02/02	LTD
Water Org Ext - DRO	COMP		-	-	-		02/01/02	CKV
Gasoline Range Organics	106.	µg/l	-	50.0	1	G8 G5	00/00/00	LMP

Sample ID: **PZ-1** Matrix: **WATER** Sample Date/Time: **01/28/02 13:00** Lab No. **091933**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 300.0								
Diss. Sulfate	15.8	mg/l	-	5.0	1		01/29/02	GAG
EPA 353.1								
Total NO3+NO2-N	<0.3	mg/l	-	0.3	1		02/01/02	LCK
EPA 6010								
Diss. Iron	1.33	mg/l	-	0.01	1		02/05/02	BMS
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		02/01/02	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/01/02	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		02/01/02	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
WI DNR								
Diesel Range Organics	<100.	µg/l	-	100.	1		02/02/02	LTD
Water Org Ext - DRO	COMP		-	-	-		02/01/02	CKV
Gasoline Range Organics	<50.0	µg/l	-	50.0	1		00/00/00	LMP

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301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 091924.8
DATE REC'D : 01/28/02
REPORT DATE: 02/13/02
PREPARED BY: LMP

Attn: Jerry Puetz

Sample ID: **TRIP BLANK-USF** Matrix: **WATER** Sample Date/Time: **01/28/02** Lab No. **091934**

	Result	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021								
Benzene	<0.16	µg/l	0.16	0.533	1		02/01/02	LMP
Ethylbenzene	<0.5	µg/l	0.5	1.67	1		02/01/02	LMP
Methyl t-Butyl Ether(MTBE)	<0.3	µg/l	0.3	0.999	1		02/01/02	LMP
Toluene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,2,4-Trimethylbenzene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
1,3,5-Trimethylbenzene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
m- & p-Xylene	<0.4	µg/l	0.4	1.33	1		02/01/02	LMP
o-Xylene	<0.17	µg/l	0.17	0.566	1		02/01/02	LMP
WI DNR								
Gasoline Range Organics	<50.0	µg/l	-	50.0	1		00/00/00	LMP

Qualifier Descriptions

J	Estimated concentration below laboratory quantitation level.
D1	The chromatogram is characteristic for a fuel oil/ diesel. (i.e. #1 or #2 Diesel, jet fuel, kerosene, aged or degraded diesel, etc.)
D5	The chromatogram contained significant peaks and a raised baseline outside the DRO window.
G8	The chromatogram is characteristic for aged gasoline, however either additional peaks are present or PVOC peaks are not proportional to aged gasoline indicating the presence of additional compounds.
G5	The chromatogram contains a significant number of peaks outside the GRO window.
D3	The chromatogram is not characteristic for diesel or any single common petroleum product.
G3	The chromatogram in not characteristic for either gas or aged gas. It has a reportable concentration of peaks/area within the GRO window.
G6	The chromatogram contains a significant number of peaks and a raised baseline outside the GRO window.

CHAIN OF CUSTODY RECORD

№ 32543

Contact Person Jerry Puetz
Phone No. 355-4304 Office Schofield
Project No. 26788XF PO No.
Project Name Former Langlade Oil

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

RECORD NUMBER _____ THROUGH _____
Laboratory US Filter
Contact Person
Phone No.
Results Due

Sample I.D.	Date 2002	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
MW-1	1/28	09:10	X		6	Water	5	1	10091924				PVOCs, GRO, DRO, Nitrate+Nitrite, Sol. Iron, Sol. Sulfate	1 liter amber w/HCl 1-B, 1-D, 1C 2 vials each
MW-2		12:15			6		5	1	10091925					
MW-3		13:20			6		5	1	10091926					
MW-4		10:15			6		5	1	10091927					
MW-5		11:45			7		6	1	10091928					+ 1 extra DRO
MW-6		11:15			6		5	1	10091929					
MW-7		10:35			6		5	1	10091930					
MW-8		09:35			6		5	1	10091931					
Dup-1	↓	13:25	↓		6	↓	5	1	10091932				↓	↓

Collected by:	Jerry C Puetz	Date 1/28/2002	Time 09:10	Delivery by: Jerry C Puetz	Date 1/28/2002	Time 14:45
Received by:		Date	Time	Relinquished by:	Date	Time
Received by:		Date	Time	Relinquished by:	Date	Time
Received by:		Date	Time	Relinquished by:	Date	Time
Received for lab by: Jan Anderson		Date 1-28-02	Time 1445	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☑ Yes ☐ No ☐ N/A nice

Final Disposition:	Comments (Weather Conditions, Precautions, Hazards):
Extra liter amber from MW-5 is for lab QA/QC	All plastic sample containers are field filtered using a disposable GW filter (.45 micron filter)

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

CHAIN OF CUSTODY RECORD

№ 32544

Contact Person: Jerry Puetz
Phone No.: 355-4304 Office:
Project No.: 26788XF PO No.:
Project Name: Former Langlade Oil

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

RECORD NUMBER _____ THROUGH _____
Laboratory: US Filter
Contact Person:
Phone No.:
Results Due:

Sample I.D.	Date 2002	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
PZ-1	1/28	13:00	X		6	water	5	1		1009193			PVOCs, GRO, DRO, Nitrate+Nitrite, Sol. Iron, Sol. Sulfate	(4 literamber w/ HCl, 1D, TB, 1C 2 vials
TB-1	—	—			2	↓	2			1009193			PVOCs, GRO	2 vials
														1-17-02
														TB037
														B131701NR

Collected by:	Jerry C Puetz	Date 1/28/2002	Time 13:00	Delivery by: Jerry C Puetz	Date 1/28/2002 Time 14:45
Received by:		Date	Time	Relinquished by:	Date Time
Received by:		Date	Time	Relinquished by:	Date Time
Received by:		Date	Time	Relinquished by:	Date Time
Received for lab by:		Date 1-28-02	Time 1445	Relinquished by:	Date Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☑ Yes ☐ No ☐ N/A w ice

Final Disposition:

Comments (Weather Conditions, Precautions, Hazards):

All plastic ~~sample~~ sample containers are field filtered using a .45 micron disp. GW filter

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

February 27, 2002

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

Attn: Jerry Puetz

REPORT NO.: 091926 **PROJECT NO.: 26788XF**

Please find enclosed the analytical report for the added Naphthalene on samples #91926,91929, and 91932.

All analyses were performed in accordance with approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

Laurie M. Pietrowski
Senior Analytical Chemist

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by: James R. Salkowski

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

Sample Summary

091926.2

Lab Id	Client Sample ID	Date/Time	Matrix
091926	MW-3	01/28/02 13:20	WATER
091929	MW-6	01/28/02 11:15	WATER
091932	DUP-1	01/28/02 13:25	WATER

Sample Narrative/Sample Status

LOGIN:

GENERAL:

ANALYSES:

QA/QC:

REPORTING:

Definitions

LOD = Limit of Detection
LOQ = Limit of Quantitation
< = Less Than
COMP = Complete
SUBCON = Subcontracted analysis
µg/l = Micrograms per liter = parts per billion (ppb)
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
mv = millivolts
ppth = Parts per thousand
pCi/l = picocurie per liter

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ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221

STS CONSULTANTS
3909 Concord Avenue
Schofield, WI 54476

PROJECT NO.: 26788XF
REPORT NO. : 091926.3
DATE REC'D : 01/28/02
REPORT DATE: 02/27/02
PREPARED BY: LMP
REVIEWED BY:

Attn: Jerry Puetz

Sample ID	Naphthalene EPA 8021	Qualifiers	Analytical No.
MW-3	7.173		91926
MW-6	X		91929
DUP-1	7.181		91932

Limit of Detection 0.8

Units µg/l

Analyst: LMP

Date Analyzed: 02/01/02

X = Analyzed but not detected.

U.S. Analytical Lab

STEVE MCDOWELL
S T S CONSULTANTS
3909 CONCORD AVEUNE
SCHOFIELD, WI 54476

Project # 26788XF
Project Name NONE
Invoice # E39159

Report Date *17-May-02*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5039159A						**Sample Type** Soil			
Sample ID B-3 (1)						**Sample Date** 4/12/2002			
Inorganic									
General									
Total Organic Carbon (TOC)	24,000	mg/kg	91	290	1	5/9/2002	9060	ECG	1 114
Lab Code 5039159B						**Sample Type** Soil			
Sample ID B-8 (1)						**Sample Date** 4/12/2002			
Inorganic									
General									
Total Organic Carbon (TOC)	9500	mg/kg	91	290	1	5/9/2002	9060	ECG	1 114
Lab Code 5039159C						**Sample Type** Soil			
Sample ID B-12 (22)						**Sample Date** 4/12/2002			
Inorganic									
General									
Total Organic Carbon (TOC)	56,000	mg/kg	91	290	1	5/9/2002	9060	ECG	1 114

LOD Limit of Detection "J" Flag: Analyte detected between LOD and LOQ LOQ Limit of Quantitation

Code	*Comment*
1	All laboratory QC requirements were met for this sample.
114	Analysis performed by sub contract lab ECG Wisconsin DNR Cert # 405132750.

Authorized Signature

CHAIN OF CUSTODY RECORD Lab#583-9159 № 32281

Contact Person Steve McDowell
Phone No. 713-355-4304 Office Schofield
Project No. 26765XF PO No.
Project Name

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

RECORD NUMBER _____ THROUGH _____
Laboratory US Analytical
Contact Person
Phone No.
Results Due

Sample I.D.	Date 2002	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
A B-3(1)	4-12		X		1	Soil							Total Organic Carbon	
B B-8(1)	↓		X		1	↓							↓	
C B-12(22	↓		X		1	↓							↓	

Collected by: Steve McDowell	Date 4-12-02	Time 10:00	Delivery by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date 4/16/02	Time 4:30 PM
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: Christopher J. Russ	Date 4/16/02	Time 4:30	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☒ Yes ☐ No ☐ N/A

Final Disposition:	Comments (Weather Conditions, Precautions, Hazards):

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

6/99cp10k

STS Consultants Ltd.
Consulting Engineers