09-41-293240

Fluid Management, Inc.

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MAY 14 1997
REMEDIATION & REDEVELOPMENT

SITE ASSESSMENT FOR UNDERGROUND STORAGE TANK SYSTEM

Site:	Central Control Alarm Corporation 1401 North Martin Luther King Blvd Milwaukee, Wisconsin 53202
Site Assessor:	Fluid Management a Division of Envirogen (FMI) Pewaukee, Wisconsin
Date:	May 7, 1997
FMI Project No.	970016

SITE ASSESSMENT REPORT DISTRIBUTION:

State of Wisconsin, Department of Commerce (COMM):	
Wisconsin Department of Natural Resources (WDNR):	Tank Response Unit - SW-3 WDNR PO Box 7921 Madison, Wisconsin 53707
WDNR: (Local Office)	
CLIENT:	Mr. Todd Courtney Central Control Alarm Corporation 1401 North Martin Luther King Blvd. Milwaukee, Wisconsin 53212

1.0 SITE BACKGROUND INFORMATION

UST System Owner/Operator:	Central Control Alarm Corporation 1401 North Martin Luther King Blvd. Milwaukee, Wisconsin 53212
Property Owner:	Central Control Alarm Corporation 1401 North Martin Luther King Blvd. Milwaukee, Wisconsin 53212
Tank Site Address:	Central Control Alarm Corporation 1401 North Martin Luther King Blvd. Milwaukee, Wisconsin 53212
Tank Site Legal Description:	SW¼, SE¼ of Section 20, T7N, R22E
Certified Site Assessor:	Scott T. Petlewski #04838
Date of Site Assessment:	April 8, 1997
Summary of Past/Current Property and Adjacent Property Use:	The site has been used as a security alarm business for the past twenty years. The adjacent properties are primarily used for industrial and commercial.
Past Tank System History:	The former 10,000 gasoline UST was used to service fleet vehicles associated with the business.
Past Environmental History:	No documented spills overfills or leaks.

Local Groundwater History:

The Milwaukee River is located approximately ½ mile to the southeast of the site. Groundwater is expected to follow local topography and flow to the southeast.

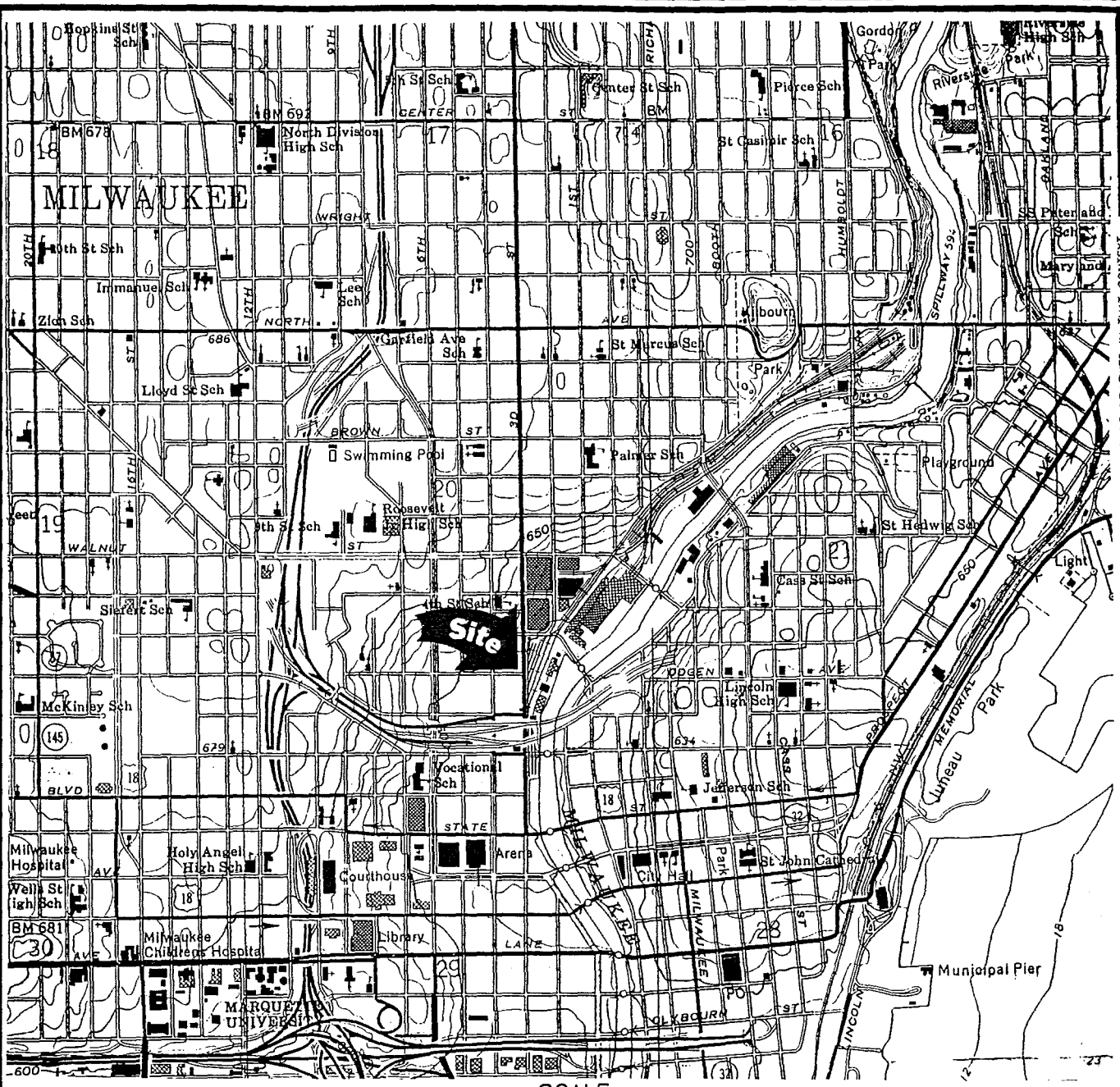
2.0 SITE LOCATION AND LAYOUT

Site Location Map: See Attached Figure 2.1

TANK SYSTEM SUMMARY:

Tank ID No.	Tank No.	Tank Volume	Tank Contents	Composition	Tank Dimensions	Age
402001789	#1	10,000 gallon	Gasoline	Steel	8' dia. x 27' long	Approx. 20 years old

Site Layout Plan: See Attached Figure 2.2



SCALE
1:24000

1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

Fluid Management, Inc.

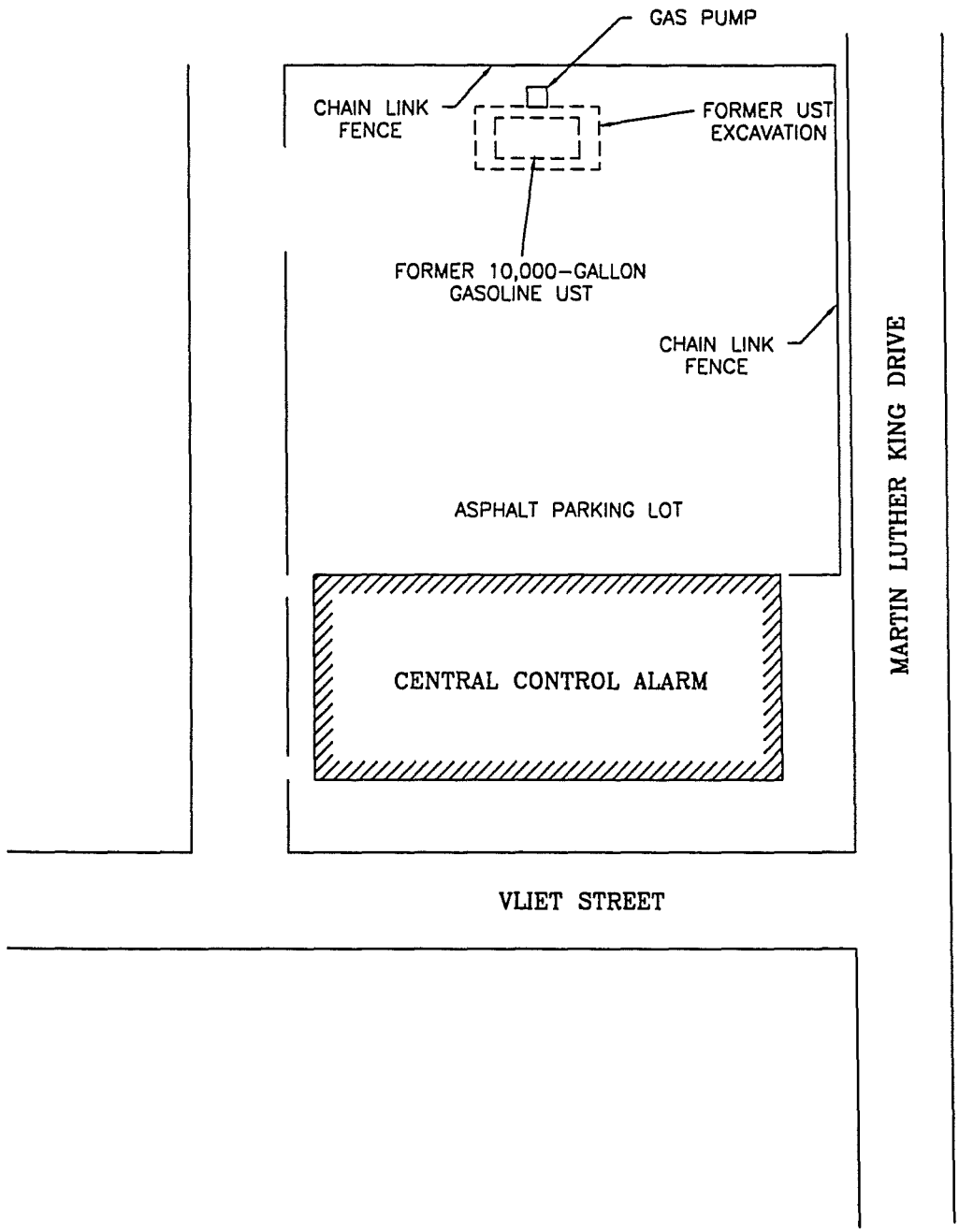
LOCATION

Site Location Map
Central Control
Alarm Site
Milwaukee, Wisconsin

FIGURE NO.
2.1

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

DRAWING NO.	97.0016.1	DRAWN BY:	KMA	4/21/97	CHECKED BY:	AsA	APPROVED BY:	AsA



DRAWING NO.	97.0016.2	DRAWN BY:	PAO	5/8/97	CHECKED BY:	ASA	APPROVED BY:	ASA

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

Fluid Management, Inc.

SCALE

0 10' 20' 30' 40' 50'

N

Site Plan View
Central Control
Alarm Site
Milwaukee, Wisconsin

FIGURE NO.

2.2

3.0 TANK ACTIVITIES AND EXCAVATION

Method of Closure:

Tank ID No.	Tank No.	Closure Method	Date
402001789	#1	Removed	4/8/97

Excavation Subcont:

Petroleum Equipment, Inc.

Certification Number: 00078

Tank System Components Left On-Site:

None.

4.0 TANK CLEANING AND DISPOSAL

Tank Purging Method:	Diffused air blower
Tank Cleaning Method:	Cleaning degreaser was employed to remove residue. Oil dry was used to remove trace amounts of sludge.
Location Where UST was Cleaned:	In place.
Wastewater/Rinsate Handling:	None handled.
Method of Tank Dismantling/Transport Disposal:	The cleaned tank was approximately labeled per DOT regulations and transported to National Tank's facility.
Subcontractors:	Purging: National Tank Milwaukee, Wisconsin Cert. No.: 00092
	Cleaning: National Tank Milwaukee, Wisconsin Cert. No.: 00092
	Dismantling: Petroleum Equipment, Inc. Milwaukee, Wisconsin Cert. No.: 00078

Fluid Management, Inc.

Hauling:
National Tank
Milwaukee, Wisconsin

Cert. No.: 00092

Disposal:
National Tank
Milwaukee, Wisconsin

Cert. No.: 00092

5.0 RESIDUAL PRODUCT MANAGEMENT

Source:

Tank Ref. No.	Type of Product	Quantity	Final Disposition
402001789	Gasoline Sludge	250 gallons	Advance Waste Services

Description of Removal/Transport/Disposal:

Approximately 250 gallons of gasoline was removed on April 8, 1997 and transported by Advanced Waste Services.

Subcontractors:

Removal:
Advanced Waste Services
Milwaukee, Wisconsin

Transportation:
Advanced Waste Services
Milwaukee, Wisconsin

Storage:
Advanced Waste Services
Milwaukee, Wisconsin

Disposal:
Ecological Systems
1125 Brookside Avenue
Indianapolis, IN 46202

6.0 TANK SLUDGE MANAGEMENT

Source:

Tank Ref. No.	Description of Sludge	Quantity	Final Disposition
402001789	Gasoline Sludge	20 gallons	Waste Research and Reclamation

Description of Collection/Removal/ Transportation/Disposal:

Tank sludge was transferred to DOT approved drums meeting 49 CFR 173. The 17H DOT drums were labeled, marked and transport vehicles were placarded per 49 CFR 172.

Waste Characterization Profile/ EPA Documentation/Disposal Records:

See Appendix A

Subcontractors:

Removal: Tri State Motor Transit
8141 East 7th Street
Joplin, MO 64801

Transportation: Tri State Motor Transit
8141 East 7th Street
Joplin, MO 64801

Storage:
Waste Research & Reclamation
Eau Claire, Wisconsin

7.0 VISUAL INSPECTION

Weather Conditions:

Sunny, 27°
5-10 mph winds

Site Observations:

Tank was located in the north quarter of the parking lot.

Detection of Unknown Tanks/Systems:

Tank Ref. No.	Size	Tank Contents/Amount
None detected		

Excavation Description:

Size: 17' x 35'
No odors
Dry soils

Description of Water Occurrence:

No groundwater was encountered.

Free Product:

No free product was encountered.

Native Soil Type:

Light brown to grey silty sand.

Tank Bedding Material:

Silty sand

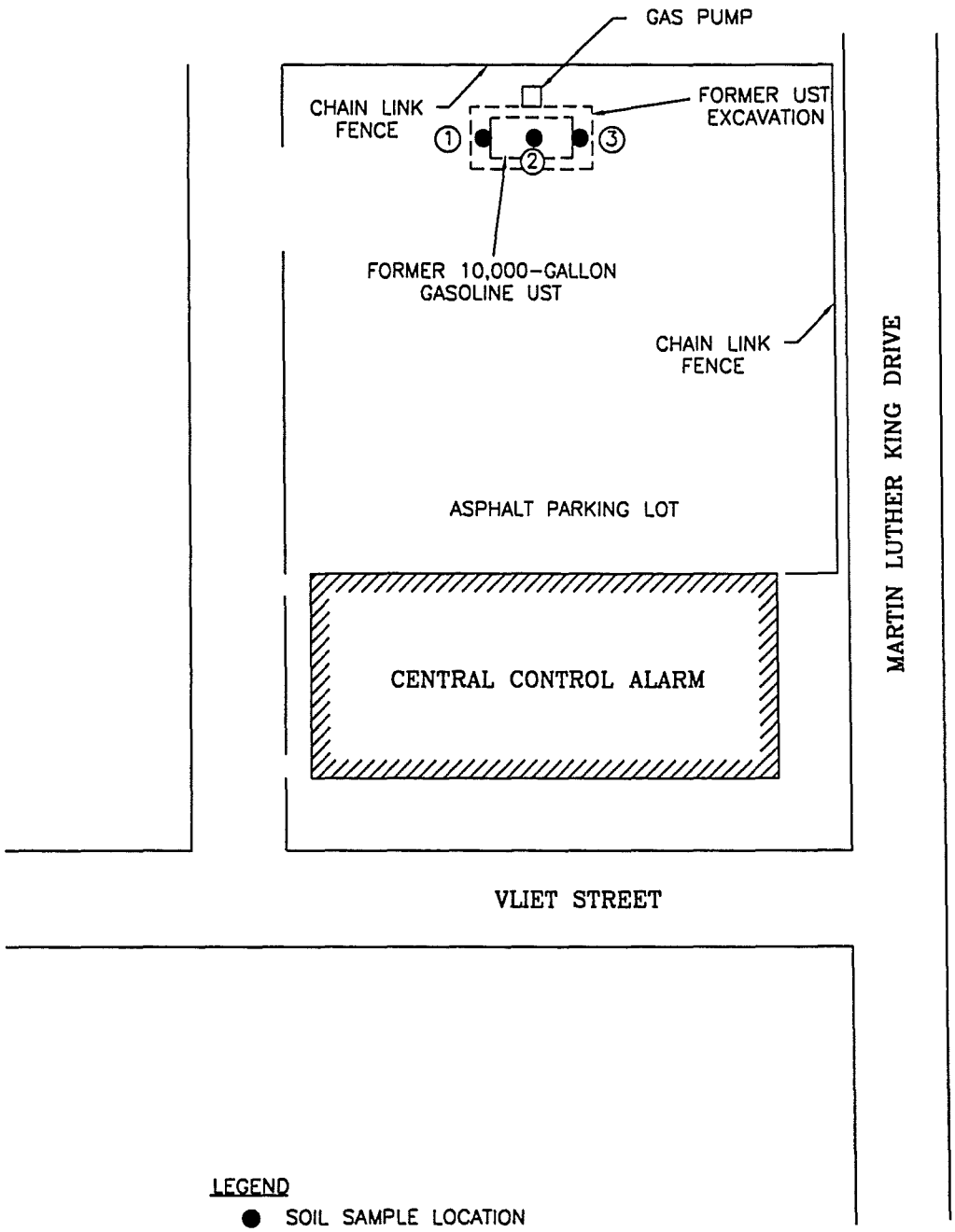
Tank Construction and Condition:

Bare steel, good condition, no holes, minor corrosion.

Piping Construction and Condition:	Bare steel, good condition, no holes, minor corrosion.
Piping Locations and Length:	Piping runs to dispenser located within 5' of tank excavation.
Description of Potential Release:	A petroleum release associated with this UST removal based on site observations was not apparent.

8.0 SAMPLING

Sampling Location Description:	Soil samples were taken beneath the tank at three locations in native soil. See Attached Figure 8.1
Soil Sampling Procedures:	See Appendix B



Fluid Management, Inc.

SCALE

0 10' 20' 30' 40' 50'

Soil Sample Locations
Central Control
Alarm Site
Milwaukee, Wisconsin

FIGURE NO.

8.1

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

DRAWING NO.	97.0016.3	DRAWN BY:	PAO	5/8/97	CHECKED BY:	ASA	APPROVED BY:	ASA

SOIL SAMPLE RESULTS:

	Soil Sample Number		
	#1	#2	#3
Date Sampled	4/8/97	4/8/97	4/8/97
Time Sampled	1:00 p.m.	1:00 p.m.	1:00 p.m.
Parameter:			
GRO	ND	ND	ND
DRO			
TRPH			
TPH			
Lead			
Benzene			
E Benzene			
Toluene			
Xylene			
124 TMB			
135 TMB			
MTBE			
Depth	12' bgs	12' bgs	12' bgs
Soil Type	Silty sand	Silty sand	Silty sand
Moisture Contant	Moist soils	Moist soils	Moist soils
PID	0 ppm	0 ppm	0 ppm
Nasal Observations	No petroleum odors	No petroleum odors	No petroleum odors

Notes: All analytical units in mg/kg
- GRO: Gasoline range organics
- DRO: Diesel range organics
- TMB: Trimethylbenzene
- MTBE: Methyl tert-butyl ether
- PID: Photoionization detector
- FID: Flame ionizing detector
- ND: No detect
- bgs: Below ground surface

mg/kg : miligrams per kilogram

GROUNDWATER RESULTS:

	Groundwater Sample Number					
Date Sampled						
Time Sampled						
Parameter:						
GRO						
DRO						
Benzene						
Ethyl-benzene						
Toluene						
Xylene						
1,2,4 TMB						
1,3,5 TMB						
MTBE						
Depth						
Soil Type						
Moisture Content						
PID/FID						
Nasal Observation						

Notes: All analytical units in mg/kg
GRO: Gasoline range organics
DRO: Diesel range organics
TMB: Trimethylbenzene
MTBE: Methyl tert-butyl ether
PID: Photoionization detector
FID: Flame ionizing detector
ND: No detect
bgs: Below ground surface
mg/kg: Milligrams per kilogram

Laboratory Information:

See Appendix B

9.0 DISCUSSION

Release Determination:

Based on field observations supported by field instrumentation and subsequent analytical results, a petroleum release associated with this UST system has not occurred.

10.0 CERTIFICATION

This Site Assessment has been prepared in accordance with generally accepted engineering and hydrogeologic principles and practices of this time and location.

The site activities and results presented herein have been developed and interpreted from limited available information. Subsurface conditions may vary over time and space and the results of this site assessment should be evaluated in that context.

The recommendations contained in the Site Assessment represent our professional opinions.

This Site Assessment was prepared by Fluid Management a Division of Envirogen, Inc.

Scott T. Petlewski
Certified UST Assessor #04838

11.0 SUPPORT DOCUMENTATION

Copies of Tank Forms: See Appendix D

APPENDIX A

Waste Characterization and Disposal Documentation

3113395

BILL OF LADING

24105/288

WRR Environmental Services Co., Inc.
5200 State Road 93, Eau Claire, WI 5470
(715) 834-9624 FAX (715) 836-8785

71654

GENERATOR CLAIMING VERY SMALL QUANTITY

GENERATOR STATUS Ann M. Olson (SIGNED)

Date Shipped	Your P.O. No.
4/18/97	

All information must be typed or printed.

1. Generator's Name and Mailing Address CENTRAL CONTROL ALARM CORP. 1401 NORTH MARTIN LUTHER KING DR. MILWAUKEE, WI 5321	A. Profile #
2. Generator's Phone (414) 276-6300	B. State Generator's ID
3. Transporter 1 Company Name: TRI-STATE MOTOR TRANSIT CO. / 4. US EPA ID Number: MOD095038998	C. State Transporter's ID 11031
	D. Transporter's Phone 800-234-8768
5. Transporter 2 Company Name / 6. US EPA ID Number	E. State Transporter's ID
	F. Transporter's Phone
7. Designated Facility Name and Site Address WRR-Environmental Services Co., Inc. 5200 State Road 93 Eau Claire, WI 54701	G. State Facility's ID
8. US EPA ID Number: WID 990 829 475	H. Facility's Phone 715-834-9624

	9. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group)	H.M.	10. Containers No.	Type	11. Total Quantity	12. Unit Wt/Vol	I. Waste No.
a.	RQ-WASTE GASOLINE 3, UN1203, PGII		001	DM	00126	P	D001
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above A. 97040124-1FA	K. Handling Code for Wastes Listed Above A. D018

13. Special Handling Instructions and Additional Information

14. Emergency Phone # 414 276 6300

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and according to the requirements of the Wisconsin Department of Natural Resources.

Printed/Typed Name & Position Title	Signature	Date (Month Day Year)
Ann Olson / Sales Coordinator	Ann M. Olson	04 18 97

16. TRANSPORTER 1 Acknowledgement of Receipt of Materials

Printed/Typed Name & Position Title	Signature	Date (Month Day Year)
DONALD RANNEI DRIVER	Donald Ranni	04 18 97

17. TRANSPORTER 2 Acknowledgement of Receipt of Materials

Printed/Typed Name & Position Title	Signature	Date (Month Day Year)

18. Discrepancy Indication Space

19. FACILITY OWNER OR OPERATOR: Certification of receipt of hazardous materials covered by this document except as noted in Item 18.

Printed/Typed Name & Position Title	Signature	Date (Month Day Year)
Dean Sabin Foreman	Dean Sabin	04 18 97

Form 100 Copy Distribution: 1 — Facility retain 2 — Facility send to Generator 3 — Transporter retain 4 — Generator retain

APPENDIX B

Soil Sampling Procedures

APPENDIX B

Standard Sampling Procedures

Sample Collection

A. Sampler Certification

Representative of Fluid Management, Inc. (FMI), collecting soil samples for ILHR 10 site assessments are certified by the State of Wisconsin Department of Commerce (COMM) or supervised by a certified site assessor. Attachment 4 provides information on certification.

B. Soil Sample Locations

Soil samples were collected in the native soil, not in the backfill material around the tank, from all of the following locations where applicable:

1. In native soil one to three feet beneath each end of each tank in the excavation.

2. In native soil on the supply side one to three feet beneath each dispenser. Only take one sample beneath each dispenser, regardless of the number of products dispensed.

3. In native soil one to three feet beneath the surface every 20 feet, or segment thereof, along piping runs. Samples were collected preferentially under swing joints, flex connectors, and pipe elbows, choosing the joints to sample. At least one piping sample was collected in addition to any pump island samples, if the piping run is greater than 10 feet.

4. In native soil 5 feet beneath remote fill pipe opening, if present.

5. Beneath the middle of tanks over 18 feet long.

Additional samples were collected in locations that include changes in soil type and underground conduits for utilities. Additional samples, were also collected, if warranted on the basis of field screening or other factors.

C. Variations to Soil Sample Locations

1. Redundant samples

Redundant samples were eliminated. Examples include the following:

a. If the length of the tank is less than 5 feet, only one sample was collected beneath the tank instead of two.

b. If the pump is located above the tank or within 2.5 feet of the end of tank, a pump sample was not collected.

c. If dispensers are separated no more than 5 feet, one sample was collected for every two dispensers.

d. If two or more tanks are laid end to end and are within 2.5 feet of each other, one sample instead of two was collected between the two tank ends. Samples would be still collected under each end of each tank for tanks laid side by side.

e. If part of the piping runs above the tank(s), separate piping samples were not collected under those sections.

f. If the tank is less than 5 feet from a building and the piping leads directly from the tank into the building (e.g. waste oil tanks, fuel oil tanks), a piping sample was not collected.

g. If a piping run contains more than one product line or lines are separated by less than 2.5 feet, only one sample every 20 feet was connected.

2. Sampling Backfill

If native soil is absent from the soil sample locations described above then backfill was sampled, provided the type of backfill is coarse sand or finer. If pea gravel or coarser material extends more than three feet beneath the prescribed sample locations, excavate to native soil for the purposes of sample collection. If groundwater is encountered in gravelly backfill (i.e. the depth to groundwater is less than the depth to native soil) then excavate laterally to sample native soil from the sidewalls of the excavation just above the water level.

3. Obvious Contamination

If free product, strong petroleum product odors, stained soil or backfill, or other conditions made it obvious that a release from the tank has occurred, then site assessment soil sampling was not completed. The release was then reported immediately to the Wisconsin Department of Natural Resources (WDNR) and <u>one</u> sample of contaminated soil for laboratory analysis will be collected to provide confirmation of the release. The sample was collected from an area that is representative of the contamination in accordance with the soil sampling guidance presented in the WDNR Site Assessments for Underground Storage Tanks, Technical Guidance.

4. Closure in Place

ILHR 10 allows closure in place of USTs in a limited number of circumstances. Closure in place will be requested in writing from the DILHR authorized agent responsible for closure verification. Only written permission for closure in place is valid. Site assessments are still required when tanks are closed in place. Soil samples were collected from all of the locations specified above by one of the following methods.

a. **Soil borings** through the use of a drill rig, power auger, or hand auger. The borings were conducted within three feet of and below each end of each tank, drilling at an angle if necessary. Soil borings were conducted along piping runs and pump islands immediately adjacent to these structures. The borings were completed, documented and abandoned in compliance with the requirements of ch. NR 141, Wis. Adm. Code.

b. **Holes cut in the bottom of the tank(s)**. If the tank(s) can be safely entered, and holes were cut in the bottom, the soil beneath the tank(s) was sampled through the holes. The holes will be cut near each end of each tank. If native soil cannot be accessed from the holes, the backfill material will be sampled. Visual observations of the interior of the tank will be included in the closure documentation.

c. **Test pits beside the tank(s)**. Many tanks are abandoned in place due to their proximity to building foundations. Often it is possible to excavate a test pit or trench on the side of the tank opposite the foundation. Soil conditions are then visually assessed and soil samples collected directly.

d. **Groundwater monitoring**. If soil samples cannot be collected within 3 feet of the tank ends then it is necessary to assess the site using groundwater monitoring. Three groundwater monitoring wells were installed within 20 feet of the tank(s), accurately measure water levels in the wells to determine the hydraulic gradient, and conduct at least one round of groundwater sampling in accordance with the LUST analytical guidance. The wells were constructed and documented in accordance with ch. NR 141, Wis. Adm. Code.

5. Shallow Depth to Groundwater

If the groundwater table occurs within the tank or piping excavation, soil samples were collected from the side walls of the excavation above the water level as near as possible to all of the sample locations described above.

6. Alternate Sampling Plans

Tank owners and their consultants may submit alternative site-specific site assessment sampling plans where the total number of samples according to the site assessment guidance would exceed 15 samples. The site assessor will developed the plan and submitted it to the DNR for review prior to tank closure. The purpose of an alternate sampling plan is to eliminate unnecessary or excessive sampling. The plan describes how the number of samples specified by the site assessment guidance is excessive and how the alternate plan will adequately check for the presence of a release. Submit alternate sampling plans at least 30 business days prior to the site assessment to the DNR.

7. Late Site Assessments

Soil sampling for site assessments were performed at the time of tank closure while the tank excavation is open and the soil sampling locations are readily accessible. However, occasionally site assessments must be performed at a later date (e.g. if the tank owner closed the tank and did not know that a site assessment was required). In these cases, the following procedures were used and documented, which also apply to resampling of sites when holding times are exceeded or samples are cross-contaminated or broken:

a. Collect samples from all of the areas specified under sample locations above.

b. Collect samples using test pits or soil borings. If borings are used, use hammer sampler to collect undisturbed samples.

c. Collect samples from a depth greater than the depth of the original excavation since contamination migrates downward. Samples collected at shallower depths are unreliable due to dilution by clean backfill.

d. Identified and reported all soil types including the native soil type, the type backfill used to fill in the excavation following removal, and the original backfill used to install the tank (if still present).

D. Analytical Parameters, Methods, Holding Times, and Quality Control

All soil samples sent to a laboratory will be analyzed for parameters and using methods appropriate for the substance contained in the UST system. The parameters and methods to use for petroleum USTs are specified below and summarized in Table 2 in accordance with the "Leaking Underground Storage Tank Analytical Guidance" PUBL-SW-130-92REV (reference 6).

1. Parameters

The parameters for which soil samples were analyzed depended on the substance stored in the UST and/or piping as shown below.

a. Soil samples from tank systems that stored regular or unleaded gasoline, aviation fuel (grades 80, 100, and 100 low lead) were analyzed for **gasoline range organics** (GRO).

b. Soil samples from tank systems that stored diesel, jet fuel, or fuel oil (# 1, 2 & 4) were analyzed for **diesel range organics** (DRO).

c. Soil samples from tank systems that stored crude oil, lubricating oil, waste oil or fuel oil (#6) were analyzed for **diesel range organics** (DRO).

d. Soil samples from tank systems where the substance stored is unknown were analyzed for both **gasoline range organics** (GRO) and **diesel range organics** (DRO).

e. Soil samples collected under system components where multiple substances were stored for the low volatility parameter. For example, if a piping run contains both a gasoline line and a diesel line, only one sample were collected every 20 feet and analyze it for GRO. Similarly, if a diesel tank and a waste oil tank are laid end-to-end, the sample collected between them was analyzed for DRO.

TABLE 2

Analytical Parameters, Method, Holding Times, and Quality Control

Shipping/ Extraction	Holding Time	Jars/ Size	Quality Control	Notes
Immediately	21 Days	2 oz WM 25 g	MEOH Blank Temperature Blank if "Blue Ice" Used	Use Field Preservation with Methanol
Extraction: 72 Hours	47 days	2 oz WM 25 g	Temperature Blank if "Blue Ice" Used	

2. Methods

Soil samples have been analyzed according to the analytical methods approved by the DNR as shown below. A laboratory certified for purgeable organics under ch. NR 149, Wisconsin Administrative Code, has conducted the analysis.

a. The approved method for gasoline range organics (GRO) is the **Wisconsin DNR Modified GRO Method**. This method includes field preservation of samples using methanol.

b. The approved method for diesel range organics (DRO) is the **Wisconsin DNR Modified DRO Method**.

3. Holding Times

Handle and process all samples in accordance with the following timelines:

a. GRO samples have been preserved in the field with methanol, delivered to the lab immediately after collection and analyzed within 21 days of collection.

b. DRO samples have been delivered to the lab within 72 hours of collection. The lab has analyzed the samples within 47 days of collection.

4. Quality Control

The following quality control measures apply to samples collected for site assessment:

a. If a GRO sample is collected, one GRO trip blank (i.e. a tared jar containing 25 mls of purge and trap grade methanol) have accompanied the sample jars to the site and be analyzed with the

soil samples. The jar has undergone all procedures performed on soil samples. If soil is added directly to jars containing methanol, open and close the trip blank at one of the sampling locations.

b. All samples had their temperature measured upon receipt by the lab. Ice was used in the cooler, therefore no special measures are necessary because the lab can determine the temperature directly from either the ice or the meltwater.

E. Sample Collection Procedures

Soil samples were collected in accordance with the soil type, substance, and analytical parameters and methods. Sample collectors observed all standard scientific and industry practices.

1. Sample collection points were identified based on tank system layout and soil sample locations specified above. Soil samples were assigned I.D. numbers at the time of collection.

2. The type of analysis for each sample location was identified. For example, two GRO samples for each gasoline tank, two DRO samples for each diesel tank, etc. GRO samples were collected in tared wide mouth 2 oz jar containing 25 mls of purge and trap grade methanol. DRO samples were collected in tared wide mouth 2 oz jars.

3. Samples were indirectly collected from the backhoe bucket.

4. Soil samples were handled by FMI personnel wearing dedicated sterile latex gloves. Any non-dedicated sampling equipment was properly decontaminated between samples.

5. Soil samples from each location were collected from a freshly exposed surface. Work was done quickly to minimize agitation of the soil to prevent

loss of volatile contaminants. At least 25 g of soil was collected for GRO and DRO samples. Soil from several different locations was not combined into one sample because it decreases the specificity of the sample and increases the potential for volatilization.

6. A good sample seal was insured to prevent loss of volatile contaminants.

7. The samples were packed samples for lab analysis in ice immediately. Samples were kept at or below 4°C after collection and prior to analysis.

8. Additional sample were collected for field screening (if used) from each soil sample location.

9. Additional samples were collected for dry weight determination at each sampling location.

10. Grab samples were collected for field identification of soil type.

11. Each sample was properly labeled and assigned an I.D. and the number was written directly on the sample label in waterproof ink. The sample I.D., the time of collection, the sample location, type of analysis, and method of preservation (if applicable) was written on the chain-of-custody form.

12. The samples were identified for the presence of obvious contamination or staining. The samples were also identified for soil texture using the USCS classification and note soil color.

13. Soil sampling equipment was decontaminated between each sampling location. Sampling tools were scrubs in detergent or solvent solution, rinse (repeatedly) in pure water, wipe dry with paper towel or allow to air dry. Rinse water that was used is distilled or obtained from a source that is known to be uncontaminated. Disposable gloves, were changed, between each sampling location.

14. The LUST chain-of-custody form from the laboratory was completed and included with the samples. The name of sampler, name of project/property, time samples relinquished were included on the chain-of-custody.

15. The samples were packed in ice and shipped to the certified lab by the use of a plastic insulated cooler.

APPENDIX C

Analytical Support Documentation

0197041 78

Rec'd 3/5/97

EN CHEM INC.

RECEIVED
APR 2 3 1997

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX: 414-469-8827

Lab Certification No. 405132750
Location : CENTRAL CONTROL ALARM/#97.0016
En Chem Proj# : 9704178
Date Reported : 04/22/1997

Report to: FLUID MANAGEMENT, INC

Thank you for using En Chem! Samples were analyzed according to strict EPA or Wisconsin DNR methodology. Any comments or problems associated with the receipt of or analysis are reported below:

Project Manager: M. Suha

EN CHEM INC.

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX: 414-469-8827

. . . chemistry for the environment

Lab Certifications
Wisconsin: 405132750
Minnesota: 055-999-334
Iowa: 135

Location : CENTRAL CONTROL ALARM/#97.0016
Your Sample ID: #1
Sample Desc. : CENTER
Sample Matrix : SOIL
En Chem Proj# : 9704178
En Chem Lab # : 221700

Date Collected: 04/08/1997
Date Received : 04/09/1997
Date Reported : 04/22/1997

Report to: FLUID MANAGEMENT, INC
2831 N GRANDVIEW BLVD
P.O. BOX 90
PEWAUKEE, WI 53072-0090
Bill to: FLUID MANAGEMENT, INC.

Analysis	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID			SM2540G	04/11/1997	PHS

Parameter	Result	Units	Flag	LOD	LOQ
Total Solids	84	percent			

Analysis	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
GRO-S		04/14/1997	WDNR MOD GRO	04/15/1997	EGS

Parameter	Result	Units	Reporting Limit
Gasoline Range Organics(GRO)-Soil	ND	mg/kg	3.0
Soil spike	107	% RECOV	
Soil spike duplicate	106	% RECOV	

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by appropriately certified laboratories.

These results have been reviewed and their authenticity verified by: J. Duranceau

EN CHEM INC.

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX: 414-469-8827

. . . chemistry for the environment

Lab Certifications
Wisconsin: 405132750
Minnesota: 055-999-334
Iowa: 135

Location : CENTRAL CONTROL ALARM/#97.0016
Your Sample ID: #2
Sample Desc. : WEST END
Sample Matrix : SOIL
En Chem Proj# : 9704178
En Chem Lab # : 221701

Date Collected: 04/08/1997
Date Received : 04/09/1997
Date Reported : 04/22/1997

Report to: FLUID MANAGEMENT, INC
2831 N GRANDVIEW BLVD
P.O. BOX 90
PEWAUKEE, WI 53072-0090
Bill to: FLUID MANAGEMENT, INC.

Analysis	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID			SM2540G	04/11/1997	PHS

Parameter	Result	Units	Flag	LOD	LOQ
Total Solids	84	percent			

Analysis	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
GRO-S		04/14/1997	WDNR MOD GRO	04/15/1997	EGS

Parameter	Result	Units	Reporting Limit
Gasoline Range Organics(GRO)-Soil	ND	mg/kg	3.0
Soil spike	107	% RECOV	
Soil spike duplicate	106	% RECOV	

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by appropriately certified laboratories.

These results have been reviewed and their authenticity verified by: J. Duranceau

EN CHEM INC.

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX: 414-469-8827

Lab Certifications
Wisconsin: 405132750
Minnesota: 055-999-334
Iowa: 135

. . . chemistry for the environment

Location : CENTRAL CONTROL ALARM/#97.0016
Your Sample ID: #3
Sample Desc. : EAST END
Sample Matrix : SOIL — Date Collected: 04/08/1997
En Chem Proj# : 9704178 — Date Received : 04/09/1997
En Chem Lab # : 221702 — Date Reported : 04/22/1997

Report to: FLUID MANAGEMENT, INC
2831 N GRANDVIEW BLVD
P.O. BOX 90
PEWAUKEE, WI 53072-0090
Bill to: FLUID MANAGEMENT, INC.

Analysis	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
TOTSOLID			SM2540G	04/11/1997	PHS

Parameter	Result	Units	Flag	LOD	LOQ
Total Solids	85	percent			

Analysis	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
GRO-S		04/14/1997	WDNR MOD GRO	04/15/1997	EGS

Parameter	Result	Units	Reporting Limit
Gasoline Range Organics(GRO)-Soil	ND	mg/kg	3.0
Soil spike	107	% RECOV	
Soil spike duplicate	106	% RECOV	

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by appropriately certified laboratories.

These results have been reviewed and their authenticity verified by: Jo. Duranceau

EN CHEM INC.

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX: 414-469-8827

Lab Certifications
Wisconsin: 405132750
Minnesota: 055-999-334
Iowa: 135

. . . chemistry for the environment

Location : CENTRAL CONTROL ALARM/#97.0016
Your Sample ID:
Sample Desc. : MEOH TRIP
Sample Matrix : METHANOL Date Collected: 04/08/1997
En Chem Proj# : 9704178 Date Received : 04/09/1997
En Chem Lab # : 221703 Date Reported : 04/22/1997

Report to: FLUID MANAGEMENT, INC
2831 N GRANDVIEW BLVD
P.O. BOX 90
PEWAUKEE, WI 53072-0090
Bill to: FLUID MANAGEMENT, INC.

Analysis	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
GRO		04/14/1997	WDNR MOD GRO	04/15/1997	EGS

Parameter	Result	Units	Reporting Limit
Gasoline Range Organics(GRO)-Water	ND	ug/l	2500
Blank spike	107	% RECOV	
Blank spike duplicate	106	% RECOV	

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by appropriately certified laboratories.

These results have been reviewed and their authenticity verified by: J. Duracean

Company Name: Fluid Mgt Inc.
Branch or Location: Pewaukee
Project Contact: Scott Pellewski
Telephone: 414-545 6158
Project Number: 970016
Project Name: Central Control Alarm
Project Location:
Sampled By (Print): Scott Pellewski
Regulatory Program (circle): UST RCRA CLP SDWA
NPDES/WPDES CAA NR- Other

EN CHEM INC. CHAIN OF CUSTODY

☑ 1241 Bellevue St., Suite 9
Green Bay, WI 54302
414-469-2436 • 1-800-736-2436
FAX 414-469-8827

☐ 2231 Catlin Ave., Suite 420
Superior, WI 54880
715-392-5844 • 1-800-837-8238
FAX 715-392-5843

☐ 802 Deming Way
Madison, WI 53717
608-827-5501 • 1-888-5 ENCHEM
Fax: 608-827-5503

NR720 Confirmation Analysis Required?
(En Chem will confirm unless otherwise instructed.)

P.O. # _____ Quote # _____ Page 1 of 1

Mail Report To: F. Hicks
Company: Fluid Mgt. Inc.
Address: Pewaukee

Invoice To: FMI
Company: FMI
Address: Pewaukee

Mail Invoice To: FMI

Field ID	Sample Description	Collection Date	Collection Time	Field Screen	Matrix	Filt'd Y/N	Preserv*	Analysis Requested	Good Cond.	Total Bottles	Comments	Laboratory Number
#1	Center	4-8-97	1:00pm	0ppm	Soil	N	Meoh	GRO, Pryquaight		1-2oz 1-2oz/m		221700
#2	West End											221701
#3	East End											221702
Meoh Trip										1-2oz/m		221703
	* Analyze for PVOCs if GRO values fall between											
	10 ppm and 250 ppm											

SHADED AREA FOR LABORATORY USE ONLY

***Preservation Code**

A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark appr[illegible] sam[illegible]

Relinquished By:	Date/Time:	Received By:	En Chem Project No.
[illegible]	4/7/97 9am	[illegible] RDI	9704178
Relinquished By:	Date/Time:	Received By:	Sample Receipt Temp. (Must be rec'd at 4°C)
[illegible]	4/9/97 1:00	[illegible] 1300 4-9-97	
Relinquished By:	Date/Time:	Received By (En Chem):	
[illegible]	4-9-97 11:10		RDI

APPENDIX D

Tank Inventory and Closure Forms

State of Wisconsin
Department of Commerce

WI Tank ID#: _____

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Storage Tank, Permitting and Registration Section
P.O. Box 7969, Madison, WI 53707

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (including piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ Yes ☐ No If yes, are you correcting/updating information only? ☐ Yes ☐ No

Personal information you provide may be used for secondary purposes. [Privacy Law, s. 15.04 (1)(m)]

This registration applies to a tank that is (check one):
1A. ☐ In Use or
1B. ☐ Newly Installed
2. ☐ Abandoned with Product
3. ☐ Abandoned No Product (empty) or with Water
4. ■ Closed - Tank Removed
6. ☐ Closed - Filled with Inert Materials
7. ☐ Out of Service - Provide Date: _____
8. ☐ Ownership Change (Indicate new owner name in block 2)

Fire Department providing fire coverage where tank is located:
■ City ☐ Village
☐ Town of Milwaukee

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
Central Control Alarm Corp.	1401 N. Martin Luther King	(414)276-6300
■ City ☐ Village ☐ Town of: Milwaukee	State: Wisconsin / Zip Code: 53212	County: Milwaukee
2. Tank Owner Name: Todd Courtney	Mailing Address: 1401 N. Martin Lurther King	Telephone Number: (414) 276-6300
■ City ☐ Village ☐ Town of: Milwaukee	State: Wisconsin / Zip Code: 53212	County: Milwaukee
3. Previous Name	Previous site address if different than #1	
4. Tank Age (date installed, if known or years old): 20 years	5. Tank Capacity (gallons): 10,000 gallon	6. If more than one tank is located at facility, please provide tank #

B. TYPE OF USER (check one)
1. ☐ Gas/Retail Sales 2. ☐ Bulk Storage 3. ☐ Utility 4. ■ Mercantile/Commercial 5. ☐ Industrial
6. ☐ Government 7. ☐ School 8. ☐ Residential 9. ☐ Agricultural 10. ☐ Other (specify):
11. ☐ Tribal Nation 12. ☐ Federal Property 13. ☐ Backup Generator

C. TANK CONSTRUCTION (check one)
1. ■ Bare Steel 2. ☐ Cathodically Protected & Coated Steel (Check one: A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel 4. ☐ Fiberglass 5. ☐ Other (specify): _____
6. ☐ Lined - Date: _____ 7. ☐ Steel - Fiberglass Reinforced Plastic Composite 9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other: | Is tank double walled? ☐ Yes ■ No

Overfill Protection Provided? ☐ Yes ■ No If yes, identify type: | Spill Containment? ☐ Yes ■ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring
4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring
7. ☐ Manual tank gauging (only for tanks of 1,000 gallons or less) 8. ☐ Statistical Inventory Reconciliation (SIR)

D. PIPING CONSTRUCTION
1. ■ Bare Steel 2. ☐ Cathodically Protected & Coated Steel (Check one: A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel 4. ☐ Fiberglass 5. ☐ Other (Specify): 9. ☐ Unknown

Vapor Recovery/Stage II ☐ CARB #: _____
4. ☐ Fiberglass 6. ☐ Flexible 5. ☐ Other (specify): ☐ Operational - Provide Date (mo/day/yr):

Piping System Type: 1. ☐ Pressurized piping with A. ☐ auto shutoff; B. ☐ alarm or C. ☐ flow restrictor
2. ■ Suction piping with check valve at tank 3. ☐ Suction piping with check valve at pump and inspectable 4. ☐ Not needed if waste oil

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring
3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line leak detector 6. ☐ Not required 8. ☐ SIR

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other: | Is pipe double walled? ☐ Yes ■ No

E. TANK CONTENTS
1. ☐ Diesel 2. ☐ Leaded 3. ■ Unleaded 4. ☐ Fuel Oil 5. ☐ Gasohol
6. ☐ Other (Specify): _____ 7. ☐ Empty* 8. ☐ Sand/Gravel/Slurry* 9. ☐ Unknown* 10. ☐ Premix
11. ☐ Waste/Used Motor Oil 13. ☐ Chemical _____ (Indicate chemical name and number) 14. ☐ Kerosene 15. ☐ Aviation

* If 7, 8, or 9 is chosen, this tank is NOT PECFA eligible.

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr): 4/8/97 | Has a site assessment been completed (see reverse side for details) ■ Yes ☐ No

Owner or Operator Name (please print): Central Control Alarm Corp. | Indicate whether: ☐ Owner or ☐ Operator

Owner or Operator Signature: Todd P. Courtney Controller | Date Signed: 4-8-97

IMPORTANT: Failure to provide sufficient information may cause you to fall under additional regulations, and may delay PECFA eligibility determination. It is necessary to complete ALL shaded areas and as many other items as possible.

SBD-7437 (R. 05/96)

Wisconsin Department of Industry, Labor and Human Relations

Complete one form for each site closure.

CHECKLIST FOR UNDERGROUND TANK CLOSURE

The information you provide may be used by other government agency programs [Privacy Law, s. 15.04 (1) (m)].

RETURN COMPLETED CHECKLIST TO:
Safety & Buildings Division
Fire Prevention & Underground Storage Tank Section
P.O. Box 7969, Madison, WI 53707

A. IDENTIFICATION: (Please Print)

Indicate whether closure is for: ☒ Tank System ☐ Tank Only ☐ Piping Only

1. Site Name: Central Control Alarm Corp.	2. Owner Name: Todd Courtney
Site Street Address (not P.O. Box): 1401 N. Martin Luther King Dr	Owner Street Address: 1401 N. Martin Luther King Dr
☒ City ☐ Village ☐ Town of: Milwaukee	☒ City ☐ Village ☐ Town of: Milwaukee; State: WI; Zip Code: 53212
State: WI; Zip Code: 53212; County: Milwaukee	County: Milwaukee; Telephone No. (include area code): (414) 276-6300
3. Closure Company Name (Print): Petroleum Equipment Inc.	Closure Company Street Address: 3950 West Douglas Avenue
Closure Company Telephone No. (include area code): (414) 466-3000	Closure Company City, State, Zip Code: Milwaukee, WI 53209
4. Name of Company Performing Closure Assessment: Fluid Management, Inc.	Assessment Company Street Address, City, State, Zip Code: 2831 N. Grandview Blvd, Milwaukee, WI
Telephone # (include area code): (414) 549-6898	Certified Assessor Name (Print): Scott Pellowski
Assessor Signature: Scott Pellowski	Assessor Certification No. [illegible]

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
1. 4102 COLT 551	☒	☐	☐	11,000	62	☒ Y ☐ N
2.	☐	☐	☐			☐ Y ☐ N
3.	☐	☐	☐			☐ Y ☐ N
4.	☐	☐	☐			☐ Y ☐ N
5.	☐	☐	☐			☐ Y ☐ N
6.	☐	☐	☐			☐ Y ☐ N

* Indicate which product by numeric code: 01-Diesel; 02-Leaded; 03-Unleaded; 04-Fuel Oil; 05-Gasohol; 06-Other; 09-Unknown; 10-Premix; 11-Waste oil; 13-Chemical (indicate the chemical name(s) or numbers(s) _____ _____ _____; 14-Kerosene; 15-Aviation.

Written notification was provided to the local agent 15 days in advance of closure date. ☒ Y ☐ N ☐ NA
All local permits were obtained before beginning closure. ☒ Y ☐ N ☐ NA

Check applicable box at right in response to all statements in Sections B - E.

	Remover Verified	Inspector Verified	NA
B. TEMPORARILY OUT OF SERVICE			
Written inspector approval of temporary closure obtained, which is effective until (provide date) _____	☐ Y ☐ N	☐	☐
1. Product Removed			
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	☐ Y ☐ N	☐	☐
b. All product removed to bottom of suction line, OR	☐ Y ☐ N	☐	☐
c. All product removed to within 1" of bottom.	☐ Y ☐ N	☐	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐ Y ☐ N	☐	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐ Y ☐ N	☐	☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐ Y ☐ N	☐	☐
5. Vent lines left open.	☐ Y ☐ N	☐	☐
6. Inventory form filed indicating temporary closure.	☐ Y ☐ N	☐	☐
C. CLOSURE BY REMOVAL			
1. Product from piping drained into tank (or other container).	☒ Y ☐ N	☒	☐
2. Piping disconnected from tank and removed.	☐ Y ☐ N	☒	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐ Y ☐ N	☒	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐ Y ☐ N	☒	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☐ Y ☐ N	☒	☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.			
6. Vent lines left connected until tanks purged.	☐ Y ☐ N	☒	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☐ Y ☐ N	☒	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☐ Y ☐ N	☒	☐
9. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement.	☐ Y ☐ N	☒	☐
10. Tank cleaned before being removed being removed from site.	☐ Y ☐ N	☒	☐

- CONTINUE ON NEXT PAGE -

C. CLOSURE BY REMOVAL (continued)

	Remover Verified	Inspector Verified	NA
11. Tank labeled in 2" high letters after removal but before being moved from site.	☐ Y ☐ N	☒	☐
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.			
12. Tank vent hole (1/8 th " in uppermost part of tank) installed prior to moving the tank from site.	☐ Y ☐ N	☒	☐
13. Inventory form filed by owner with Safety and Buildings Division indicating closure by removal.	☐ Y ☐ N	☒	☐
14. Site security is provided while the excavation is open.	☐ Y ☐ N	☒	☐

D. CLOSURE IN PLACE

NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS OR LOCAL AGENT.

1. Product from piping drained into tank (or other container).				
2. Piping disconnected from tank and removed.	☐ Y	☐ N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐ Y	☐ N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐ Y	☐ N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☐ Y	☐ N	☐	☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT ABOVE GRADE.				
6. Vent lines left connected until tanks purged.	☐ Y	☐ N	☐	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☐ Y	☐ N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☐ Y	☐ N	☐	☐
9. Tank properly cleaned to remove all sludge and residue.	☐ Y	☐ N	☐	☐
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.	☐ Y	☐ N	☐	☐
11. Vent line disconnected or removed.	☐ Y	☐ N	☐	☐
12. Inventory form filed by owner with Safety and Buildings Division indicating closure in place.	☐ Y	☐ N	☐	☐

E. CLOSURE ASSESSMENTS

NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO ILHR 10.

1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site.	☐ Y	☐ N	☐	☐
2. Do points of obvious contamination exist?	☐ Y	☐ N	☒	☐
3. Are there strong odors in the soils?	☐ Y	☐ N	☒	☐
4. Was a field screening instrument used to pre-screen soil sample locations?	☐ Y	☐ N	☐	☐
5. Was a closure assessment omitted because of obvious contamination?	☐ Y	☐ N	☐	☐
6. Was the DNR notified of suspected or obvious contamination?	☐ Y	☐ N	☐	☐

Agency, office and person contacted: _____

7. Contamination suspected because of: ☐ Odor ☐ Soil Staining ☐ Free Product ☐ Sheen On Groundwater ☐ Field Instrument Test

F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☒ Educator Or Diffused Air Blower
Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground. Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐ Dry Ice
Dry ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area. Dry ice evaporated before proceeding.

☐ Inert Gas (CO/2 or N/2) **NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.**
Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent. Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☐ Tank atmosphere monitored for flammable or combustible vapor levels.
Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

H. REMOVER/CLEANER INFORMATION

Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed

I. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
GARY PETERSON	[signature]	00326

FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
4[illegible]	[illegible]	[illegible]

OWNER