WARZYN

November 12, 1993

REC'D
DIVISION OF
FACILITIES DEVELOPMENT
NOV 15 1993
Price

Mr. Gordon B. Price
Wisconsin Department of Administration
Division of Facilities Development
101 East Wilson Street, 7th Floor
P.O. Box 7866
Madison, Wisconsin 53707-7866

Re: Underground Storage Tank (UST) Closures
State of Wisconsin Property
5316 West State Street
Milwaukee, Wisconsin

Dear Mr Price:

Enclosed, please find the following documentation of the closure of two underground storage tanks (USTs) at the above-referenced site.

- Wisconsin Department of Industry, Labor, and Human Relations (DILHR) *Checklist for Underground Storage Tank Closure (SBD-8951)*
- DILHR *Underground Petroleum Product Tank Inventory (SBD-7437) forms*
- City of Milwaukee, Wisconsin Permit for removal of USTs
- Laboratory analytical results of two soil samples collected from the 500-gallon compartmented UST excavation

On March 1, 1993, two USTs (a 2,000-gallon fuel oil UST and a 500-gallon compartmented UST) were removed from the 5316 West State Street property. The UST closure activities were conducted under the supervision of Warzyn Inc. by P.E. Industries of Richfield, Wisconsin, and Schneider Excavating of Sussex, Wisconsin. At the time of removal, field observations (i.e., soil staining, photoionization detector readings) indicated a release had occurred at both UST locations. On March 2, 1993, Ms. Giselle Red of the Wisconsin Department of Natural Resources (WDNR) was notified of the releases from the two USTs. Ms. Red indicated that Ms. Candice Lindstrom would be assigned as project manager for the releases, and the WDNR response to the notification of release would be submitted to the property owner.

THE PERFECT BALANCE
BETWEEN TECHNOLOGY
AND CREATIVITY.

MILWAUKEE
11925 WEST LAKE PARK DRIVE
SUITE 200
MILWAUKEE, WI 53224
(414) 359-1144
FAX (414) 359-1145

WARZYN

Subsequently, releases from the USTs were investigated as part of the property wide Site Investigation. The results of the Site Investigation were submitted to the Wisconsin Department of Administration (DOA) on November 1, 1993, as part of the draft *Site Investigation and Remedial Action Plan* report. As discussed in the report, Warzyn has recommended the implementation of a remedial action alternative consisting of soil excavation, in-situ soil vapor extraction, and groundwater extraction and treatment to manage the release from the 500-gallon compartmented UST. Warzyn also recommended that the soils in the area of the former fuel oil UST be evaluated through a bioenumeration study. The bioenumeration study would determine if bacteria capable of degrading the fuel oil contamination are naturally present in the soils at the site.

If you have any questions regarding this information, please do not hesitate to contact me at (414) 359-1144.

Sincerely,

WARZYN INC.

John E. Guhl, CPG
Geologist

Kevin D. Shaver, CHMM
Project Manager

Enclosures: As Stated

JEG/erw/KDS/DRL
[mil-110-163]
15007401/159

Wisconsin Department of Industry, Labor and Human Relations

Complete one form for each site closure.

CHECKLIST FOR UNDERGROUND TANK CLOSURE

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: Discraft	2. Owner Name:
Site Street Address (not P.O. Box): 5316 N. State	Owner Street Address:
☒ City ☐ Village ☐ Town of: Milwaukee	☐ City ☐ Village ☐ Town of: State: Zip Code:
State: WI Zip Code: 53208 County: Mil.	County: Telephone No. (include area code): ( )
3. Closure Company Name (Print): P.E. Industries	Closure Company Street Address: 2800 Scenic Rd
Closure Company Telephone No. (include area code): (414) 644-7401	Closure Company City, State, Zip Code: Richfield, WI
4. Name of Company Performing Closure Assessment: Warzyn Inc.	Assessment Company Street Address, City, State, Zip Code: 11925 W. Lake Park Drive, Milwaukee, WI 53224
Telephone # (include area code): (414) 359-1144 Certified Assessor Name (Print): John Egan	Assessor Signature: [signature] Assessor Certification No.: 03797

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
1.	☒	☐	☐	2,000	04	☒ Y ☐ N
2.	☐	☐	☐	500	09	☒ 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. # 158423 dtd 4/12/93 ☒ 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. **NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.**	☒ Y ☐ N	☒	☐
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	☒	☐

SBD-8951 (R. 12/91)

- CONTINUE ON NEXT PAGE -

	Remover Verified	Inspector Verified	NA
C. CLOSURE BY REMOVAL (continued)			
11. Tank labeled in 2" high letters after removal but before being moved from site. **NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.**	☒ Y ☐ N	☒	☐
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. **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.**	☐ Y ☐ N	☐	☒
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? Agency, office and person contacted: _____	☒ Y ☐ N	☐	☐
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
Robert Hyland	[signature]	01347	3/1/93

I. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
T. Temperly	[signature]	TL-00026

FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
4720	414 278 2590	3/1/93

INSPECTOR

Labor and Human Relations

PETROLEUM PRODUCT TANK INVENTORY

Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

For Office Use Only:
Tank ID #

Information Required By Sec. 102.142, Wis. Stats.

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 (included 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

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. [X] Closed - Tank Removed
5. [ ] Closed - Filled With Inert Material
7. [ ] Out of Service - Provide Date: _____
8. [ ] Changed Ownership (Indicate new owner below)

The Department Providing The Coverage Where Tank Located: Milwaukee

A. IDENTIFICATION: (Please Print)

1. Tank Site Name: WISCRAFT
Site Address: 5316 W. State
Site Telephone No: ( )
[X] City: Milwaukee [ ] Village [ ] Town of:
State: WI Zip Code: 53208 County: Mil.

2. Owner Name (mail sent here unless indicated otherwise in #3 below): Wisconsin Department of Administration
Owner Mailing Address (mail sent here unless indicated otherwise in #3): 101 East Wilson Street, 7th Floor, PoBox 7866
[X] City: MADISON [ ] Village [ ] Town of:
State: WI Zip Code: 53707-7866 County: DANE

3. Alternate Mailing Name If Different Than #2
Alternate Mailing Street Address If Different From #2
[ ] City [ ] Village [ ] Town of:
State Zip Code County

4. Tank Age (date installed, if known: or years old): NA
5. Tank Capacity (gallons): 2,000
6. Tank Manufacturer's Name (if known): NA

B. TYPE OF USER (check one):
1 [ ] Gas Station
2. [ ] Bulk Storage
3. [ ] Utility
4. [ ] Mercantile
5 [X] Industrial
6. [ ] Government
7. [ ] School
8. [ ] Residential
9 [ ] Agricultural
10. [ ] Other (specify): _____

TANK CONSTRUCTION:
1 [ ] Bare Steel
2. [ ] Cathodically Protected and Coated Steel (A. [ ] Sacrificial Anodes or B. [ ] Impressed Current)
3 [ ] Coated Steel
4. [ ] Fiberglass
5. [X] Other (specify): Copper
6 [ ] Relined - Date _____
7. [ ] Steel - Fiberglass Reinforced Plastic Composite
9. [ ] Unknown

Approval: 1. [ ] Nat'l Std. 2. [ ] UL. 3. [ ] Other:
Is Tank Double Walled? [ ] Yes [ ] No
Spill Containment? [ ] Yes [ ] No
Overfill Protection Provided? [ ] Yes [ ] No If yes, identify type:
Tank leak detection method: 1. [ ] Automatic tank gauging 2. [ ] Vapor monitoring 3. [ ] Groundwater monitoring 4. [ ] Inventory control and tightness testing 5. [ ] Interstitial monitoring 6. [ ] Not required at present 7. [ ] Manual tank Gauging (only for tanks of 1,000 gallons or less)

D. PIPING CONSTRUCTION
1. [ ] Bare Steel 2. [ ] Cathodically Protected and Coated or Wrapped Steel (A. [ ] Sacrificial Anodes or B. [ ] Impressed Current) 3 [ ] Coated Steel
4. [ ] Fiberglass 5. [ ] Other (specify): _____ 9. [ ] Unknown
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
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
Double Walled: [ ] Yes [ ] No
Approval: 1. [ ] Nat'l Std 2. [ ] UL 3. [ ] Other:

E. TANK CONTENTS
1 [ ] Diesel
2. [ ] Leaded
3. [ ] Unleaded
4. [X] Fuel Oil
5 [ ] Gasohol
6. [ ] Other
7. [ ] Empty
8. [ ] Sand/Gravel/Slurry
9 [ ] Unknown
10. [ ] Premix
11. [ ] Waste Oil
12. [ ] Propane
13 [ ] Chemical *
14. [ ] Kerosene
15. [ ] Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Closed, Give Date (mo/day/yr): 3/1/93
Has a site assessment been completed? (see reverse side for details) [ ] Yes [X] No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1 [ ] Fire Department 2. [ ] DILHR 3. [ ] Other (identify) _____

Name of Owner or Operator (please print):
Indicate Whether: [ ] Owner or [ ] Operator

X Signature of Owner or Operator:
Date Signed:
X

SBD 7437 (R 12/91)

IMPORTANT: Complete as many items on this form as possible. Failure to provide sufficient information may cause you to fall under additional regulations.

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Information Required By Sec. 102.142, Wis. Stats.

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

For Office Use Only:
Tank ID #

nderground 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 (included 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

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 Material
7. ☐ Out of Service - Provide Date: _____
8. ☐ Changed Ownership (Indicate new owner below)

Fire Department Providing Fire Coverage Where Tank Located: Milwaukee

A. IDENTIFICATION: (Please Print)

1. Tank Site Name: Wiscraft
Site Address: 5316 W State
Site Telephone No. ( )
☒ City: Milwaukee ☐ Village ☐ Town of:
State: WI Zip Code: 53208 County: Mil.

2. Owner Name (mail sent here unless indicated otherwise in #3 below): Wisconsin Department of Administration
Owner Mailing Address (mail sent here unless indicated otherwise in #3): 101 East Wilson Street, 7th Floor, PO Box 7866
☒ City: Madison ☐ Village ☐ Town of:
State: WI Zip Code: 53707-7866 County: DANE

3. Alternate Mailing Name If Different Than #2
Alternate Mailing Street Address If Different From #2
☐ City ☐ Village ☐ Town of:
State Zip Code County

4. Tank Age (date installed, if known: or years old): NA
5. Tank Capacity (gallons): 500
6. Tank Manufacturer's Name (if known): NA

B. TYPE OF USER (check one):
1. ☐ Gas Station
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☒ Industrial
6. ☐ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☐ Other (specify): _____

TANK CONSTRUCTION:
1. ☒ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Relined - 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 6. ☐ Not required at present 7. ☐ Manual Tank Gauging (only for tanks of 1,000 gallons or less)

D. PIPING CONSTRUCTION
1. ☒ Bare Steel
2. ☐ Cathodically Protected and Coated or Wrapped Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
9. ☐ Unknown

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

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

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other:
Double Walled: ☐ Yes ☐ No

E. TANK CONTENTS
1. ☐ Diesel
2. ☐ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☒ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene
15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Closed, Give Date (mo/day/yr): 3/2/93
Has a site assessment been completed? (see reverse side for details) ☒ Yes ☐ No Analytical Results only

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department 2. ☐ DILHR 3. ☐ Other (identify) _____

Name of Owner or Operator (please print): X
Indicate Whether: ☐ Owner or ☐ Operator

Signature of Owner or Operator: X
Date Signed: X

SBD-7437 (R. 12/91)

IMPORTANT: Complete as many items on this form as possible. Failure to provide sufficient information may cause you to fall under additional regulations.

DEPARTMENT OF BUILDING INSPECTION
CITY OF MILWAUKEE, WISCONSIN

PERMIT COPY

688423

PERMIT ISSUED FOR	Tank Removal	FEE $
		FEE
		FEE

OWNER'S NAME (SAME AS BELOW UNLESS NOTED HERE)	PREMISES ADDRESS	TOTAL FEE
State of WISC.	5316 W. State St.	$ 50.00

THE PERSON OR PERSONS NAMED HEREON ARE HEREBY GIVEN PERMISSION TO PERFORM AS INDICATED ABOVE AND AGREE TO COMPLY WITH THE REQUIREMENTS OF VOLUME II (THE BUILDING AND ZONING CODE OF 1982) OF THE MILWAUKEE CODE OF ORDINANCES AND WITH ALL OF THE ADDITIONS AND AMENDMENTS THERETO, AND FURTHER AGREES THAT ALL WORK WILL CONFORM WITH THE APPLICATION FOR PERMIT AND DRAWINGS AS APPROVED, OR SAID PERSON OR PERSONS SHALL BE SUBJECT TO THE PENALTIES AS PRESCRIBED IN SECTION 12-14.

		ADDRESSEE IS:
NAME	Waugyn Engineering	☐ OWNER OR AGENT
ADDRESS		☐ ARCHITECT OR ENGINEER
CITY & STATE		☒ CONTRACTOR

NOTE: THIS PERMIT IS VALID ONLY IF THE AMOUNT DUE (TOTAL FEE SHOWN ABOVE) IS PAID IN LEGAL TENDER AND AGREES WITH THE CITY OF MILWAUKEE VALIDATION INSERTED IN THE BLOCK PROVIDED.

P# 1500740 1

File Code C

FORM BI-4 (REV.2)

VOID IF NOT VALIDATED HERE

P# 15007401

File Code C

HAZ

DEPT. OF BLDG. INSPECTION
841 N. BROADWAY
MILWAUKEE, WISCONSIN 53202

CITY OF MILWAUKEE, WISCONSIN
APPLICATION FOR PERMIT

INSTRUCTIONS
1. TYPE OR PRINT A SEPARATE FORM FOR EACH LOCATION (PLEASE USE BLACK INK)
2. RETURN ALL COPIES WITH FEE TO THIS OFFICE

LOCATION (GIVE EXACT STREET ADDRESS): 5316 W. STATE ST.		FOR BLDG. INSPECTION USE ONLY — PERMIT NO. 6851/23 — DATE 2-17-93
OCCUPANT/TENANT: WISCRAFT, INC.	PHONE NO.	
OWNER'S NAME: STATE OF WIS.	ADDRESS	PHONE NO.
ARCHITECT OR ENGINEER	ADDRESS	PHONE NO.
CONTRACTOR: WARZYN ENGINEERING	ADDRESS: 11925 W. LAKE PARK PL. — ZIP CODE	PHONE NO. 359-1144

ZONING	HISTORIC	OCCUPANCY USE OF BLDG. (BE SPECIFIC)	BOZA	COST OF JOB
1/A/12M	YES / NO	INSTITUTIONAL BLDG.	YES / NO X	2000.—

USE GROUP (CIRCLE THE PROPER USE GROUP)

FOR DEPARTMENT USE ONLY

[1] One family
[2] Two family
[3] 3-4 family
[4] 5-fam./gtr.
[5] Hotel/Motel
[6] Other residential
[7] Recreation bldg.
[8] Religious bldg.
[9] Industrial bldg.
[10] Public parking
[11] Service station
[12] Institutnl. bldg.
[13] Office building
[14] Education bldg.
[15] Utility
[16] Mercantile
[17] Other non-res.
[18] Structure/ not bldg.
[19] Res. garage

TYPE OF PERMIT		PERMIT FEE	
120 ALTERATIONS			
710 SIDING			
715 FENCE			
750 FIRE DAMAGE			
745 RAZING/DEMOLITION			
515 GAS FURNACE			
BOILER	☐ 545 New ☐ 555 Repair		
560 AIR CONDITIONING			
600 FIRE PROTECTION			
726 ON PREMISE SIGN			
735 TANK REMOVAL	1 @ 50	50	—
OTHER:			
TOTAL FEE		50	—

IS THIS BUILDING FIRE DAMAGED OR SUBJECT TO A CONDEMNATION ORDER? YES / NO X

STATE IN DETAIL THE KIND OF WORK TO BE PERFORMED:

REMOVE 2000 GAL UST FUEL OIL TANK PER ILHR 10 REGULATIONS

I Declare that an asbestos project (as defined in Chapter 66 of the Milwaukee Code of Ordinances) will not be included in the work performed under this permit.

Signature of Applicant: N/A

It is Hereby Agreed between the undersigned, as owner, his agent or servant, and the City of Milwaukee, that for and in consideration of the premises and of the permit to construct, erect, alter or install and the occupancy of building as above described, to be issued and granted by the Commissioner of Building Inspection, that the work thereon will be done in accordance with the descriptions herein set forth in this statement, and it is further agreed to construct, erect, alter or install and occupy in strict compliance with Chapter 200 to Chapter 295 of the Milwaukee Code of Ordinances and all amendments thereto; and to obey any and all lawful orders of the Commissioner of Building Inspection of the City of Milwaukee, made or issued by virtue of the provisions of Chapter 570 of the laws of Wisconsin of the year 1919, and Chapter 8 of the Milwaukee City Charter of the year 1984, and all amendments thereto.

SIGNATURE OF BLDG. INSPECTION PERSONNEL CHECKED BY: [signature]

SIGNATURE OF APPLICANT: [signature]

FORM BI-19 (9/92)

DISTRIBUTION: YELLOW—INSPECTOR WHITE—BI OFFICE BLUE—APPLICANT

WARZYN

CHAIN OF CUSTODY RECORD

Sampler MUST check one box: Is this a PECFA job that must be Subcontracted? ☐ Yes ☒ No

№ 015861

PROJECT No.: 15007401

PROJECT NAME: WISCRAFT INC.

CITY & STATE: MILWAUKEE, WISCONSIN

SAMPLERS (Signature): John E. Gulf

LAB No.	DATE	TIME	COMP.	GRAB	STATION LOCATION	No. OF CONTAINERS	Volatile Organic Compounds (8010-8020)	Total Petroleum Hydrocarbons (ASTM-GC)	Polychlorinated Biphenyls (SW 8080)	TS	REMARKS Soil
1331-0001	3-02-93	12:45pm		✓	North UST (east end)	2	✓	✓	✓	✓	Soils; Routine Turnaround Time
-0002	3-02-93	12:50pm		✓	North UST (west end)	2	✓	✓	✓	✓	" " " "

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
John E. Gulf	3-02-93 4:00pm				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)		Date/Time	
				3/3/93 1030	

REMARKS: Chain of Custody Seal # 90 009455 and # 90 009456
Routed to Warzyn Analytical Laboratory via Dunham Courier Service

PROJECT MANAGER: Cyrus W. Ingraham III

Delivered: Intact, in ice, via courier

Distribution: White — Accompanies Shipment; Yellow — Laboratory File; Pink — Coordinator Field Files

WARZYN

MADISON
ONE SCIENCE COURT
P.O. BOX 5385
MADISON, WI 53705
(608) 231-4747
FAX (608) 231-4777

INORGANIC REPORT
WISCRAFT INC.
MILWAUKEE WI
Project Number: 15007401

Sample #	Site	Test	Result	RL	Matrix	Units	Sample Date	Analysis Date
6331-0001	NORTH UST(EAST END)	Solids, Total	89.2	.5	Solid	%	02-MAR-93	10-MAR-93
6331-0002	NORTH UST(WEST END)	Solids, Total	90.2	.5	Solid	%	02-MAR-93	10-MAR-93

Footnotes

Sample #	Test	Footnote
6331-0001	Solids, Total	Analysis performed past recommended hold time.
6331-0002	Solids, Total	Analysis performed past recommended hold time.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

Ck'd: dlk App'd: [illegible]
Date Issued: 3/18/93

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ONE SCIENCE COURT
P.O. BOX 5385
MADISON, WI 53705
(608) 231 4747
FAX (608) 231 4777

VOLATILE ORGANIC REPORT
WISCRAFT INC.
MILWAUKEE WI
Project Number: 15007401

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6331-0001	NORTH UST(EAST END)	Benzene	< 50	5	Solid	ug/kg	A2
		Bromodichloromethane	< 50	5	Solid	ug/kg	A2
		Bromoform	< 50	5	Solid	ug/kg	A2
		Bromomethane	< 100	10	Solid	ug/kg	A2
		Carbon tetrachloride	< 50	5	Solid	ug/kg	A2
		Chlorobenzene	< 50	5	Solid	ug/kg	A2
		Chlorodibromomethane	< 50	5	Solid	ug/kg	A2
		Chloroethane	< 100	10	Solid	ug/kg	A2
		2-Chloroethylvinyl ether	< 500	50	Solid	ug/kg	A2
		Chloroform	< 50	5	Solid	ug/kg	A2
		Chloromethane	< 100	10	Solid	ug/kg	A2
		1,2-Dichlorobenzene	< 50	5	Solid	ug/kg	A2
		1,3-Dichlorobenzene	< 50	5	Solid	ug/kg	A2
		1,4-Dichlorobenzene	< 50	5	Solid	ug/kg	A2
		1,1-Dichloroethane	< 50	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 50	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 50	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	< 50	5	Solid	ug/kg	A2
		trans-1,2-Dichloroethene	< 50	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 50	5	Solid	ug/kg	A2
		cis-1,3-Dichloropropene	< 50	5	Solid	ug/kg	A2
		trans-1,3-Dichloropropene	< 50	5	Solid	ug/kg	A2
		Ethylbenzene	520	5	Solid	ug/kg	
		Methylene chloride	< 150	15	Solid	ug/kg	A2
		1,1,2,2-Tetrachloroethane	< 50	5	Solid	ug/kg	A2
		Tetrachloroethene	< 50	5	Solid	ug/kg	A2
		Toluene	380	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 50	5	Solid	ug/kg	A2
		1,1,2-Trichloroethane	< 50	5	Solid	ug/kg	A2
		Trichloroethene	< 50	5	Solid	ug/kg	A2
		Trichlorofluoromethane	< 50	5	Solid	ug/kg	A2
		Vinyl chloride	< 50	5	Solid	ug/kg	A2
		m + p-Xylene	1500	10	Solid	ug/kg	
		o-Xylene	940	5	Solid	ug/kg	

Sample Date: 02-MAR-93
Analysis Date: 08-MAR-93

Note: Results in ug/kg are reported on an "as received" or wet weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

Ck'd: dlk App'd: [illegible]
Date Issued: 3/18/93

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MADISON
ONE SCIENCE COURT
P.O. BOX 5385
MADISON, WI 53705
(608) 231 4747
FAX (608) 231 4777

VOLATILE ORGANIC REPORT
WISCRAFT INC.
MILWAUKEE WI
Project Number: 15007401

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6331-0002	NORTH UST(WEST END)	Benzene	< 5	5	Solid	ug/kg	
		Bromodichloromethane	< 5	5	Solid	ug/kg	
		Bromoform	< 5	5	Solid	ug/kg	
		Bromomethane	< 10	10	Solid	ug/kg	
		Carbon tetrachloride	< 5	5	Solid	ug/kg	
		Chlorobenzene	< 5	5	Solid	ug/kg	
		Chlorodibromomethane	< 5	5	Solid	ug/kg	
		Chloroethane	< 10	10	Solid	ug/kg	
		2-Chloroethylvinyl ether	< 50	50	Solid	ug/kg	
		Chloroform	< 5	5	Solid	ug/kg	
		Chloromethane	< 10	10	Solid	ug/kg	
		1,2-Dichlorobenzene	< 5	5	Solid	ug/kg	
		1,3-Dichlorobenzene	< 5	5	Solid	ug/kg	
		1,4-Dichlorobenzene	< 5	5	Solid	ug/kg	
		1,1-Dichloroethane	< 5	5	Solid	ug/kg	
		1,2-Dichloroethane	< 5	5	Solid	ug/kg	
		1,1-Dichloroethene	< 5	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	18	5	Solid	ug/kg	
		trans-1,2-Dichloroethene	< 5	5	Solid	ug/kg	
		1,2-Dichloropropane	< 5	5	Solid	ug/kg	
		cis-1,3-Dichloropropene	< 5	5	Solid	ug/kg	
		trans-1,3-Dichloropropene	< 5	5	Solid	ug/kg	
		Ethylbenzene	83	5	Solid	ug/kg	
		Methylene chloride	< 15	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 5	5	Solid	ug/kg	
		Tetrachloroethene	< 9.8	5	Solid	ug/kg	A2
		Toluene	< 5	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 5	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5	5	Solid	ug/kg	
		Trichloroethene	< 5	5	Solid	ug/kg	
		Trichlorofluoromethane	< 5	5	Solid	ug/kg	
		Vinyl chloride	< 5	5	Solid	ug/kg	
		m + p-Xylene	< 10	10	Solid	ug/kg	
		o-Xylene	84	5	Solid	ug/kg	

Sample Date: 02-MAR-93
Analysis Date: 08-MAR-93

Note: Results in ug/kg are reported on an "as received" or wet weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

Ck'd: dlk App'd: [illegible]
Date Issued: 3/18/93

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ONE SCIENCE COURT
P.O. BOX 5385
MADISON, WI 53705
(608) 231 4747
FAX (608) 231 4777

TOTAL PETROLEUM HYDROCARBONS (TPH)
WISCRAFT INC.
MILWAUKEE WI
Project Number: 15007401

Note: The analysis of samples for total petroleum hydrocarbons is a screening procedure. Analytical results are compared and quantified against known reference standard mixtures. Due to variables such as differences in petroleum product formulations, weathering and other environmental factors, positive identification as one of the target hydrocarbon mixtures may not be possible. The values reported are tentatively identified with estimated concentrations.

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6331-0001	NORTH UST(EAST END)	Gasoline	< 56	5	Solid	mg/kg	G2
		Kerosene	< 56	5	Solid	mg/kg	G2
		#2 Fuel Oil	< 56	5	Solid	mg/kg	G2
		Gasoline Range Organics	1300	5	Solid	mg/kg	(a)
		#2 Fuel Oil Range Organics	240	5	Solid	mg/kg	(b)
		Sample Date: 02-MAR-93					
		Extract Date: 11-MAR-93					
		Analysis Date: 12-MAR-93					
6331-0002	NORTH UST(WEST END)	Gasoline	< 280	5	Solid	mg/kg	G2
		Kerosene	< 280	5	Solid	mg/kg	G2
		#2 Fuel Oil	< 280	5	Solid	mg/kg	G2
		Gasoline Range Organics	1200	5	Solid	mg/kg	(a)
		#2 Fuel Oil Range Organics	1100	5	Solid	mg/kg	(b)
		Sample Date: 02-MAR-93					
		Extract Date: 11-MAR-93					
		Analysis Date: 12-MAR-93					

(a) Samples contain a hydrocarbon fraction in the range of Gasoline. These unknowns do not match any of the reference standards. Estimated concentrations of the unknowns calculated using a Gasoline reference standard are reported.

(b) Samples contain a hydrocarbon fraction in the range of #2 Fuel Oil. These unknowns do not match any of the reference standards. Estimated concentrations of the unknowns calculated using a #2 Fuel Oil reference standard are reported.

Note: Results in mg/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

Ck'd: dlk App'd: [illegible]
Date Issued: 3/18/93

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MADISON
ONE SCIENCE COURT
P.O. BOX 5385
MADISON, WI 53705
(608) 231 4747
FAX (608) 231 4777

PCB REPORT
WISCRAFT INC.
MILWAUKEE WI
Project Number: 15007401

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6331-0001	NORTH UST(EAST END)	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	< 20	20	Solid	ug/kg	
		PCB-1260	< 20	20	Solid	ug/kg	
		Sample Date: 02-MAR-93					
		Extract Date: 11-MAR-93					
		Analysis Date: 16-MAR-93					
6331-0002	NORTH UST(WEST END)	PCB-1016	< 100	10	Solid	ug/kg	G7
		PCB-1221	< 200	20	Solid	ug/kg	G7
		PCB-1232	< 200	20	Solid	ug/kg	G7
		PCB-1242	< 100	10	Solid	ug/kg	G7
		PCB-1248	< 100	10	Solid	ug/kg	G7
		PCB-1254	280	20	Solid	ug/kg	
		PCB-1260	< 200	20	Solid	ug/kg	G7
		Sample Date: 02-MAR-93					
		Extract Date: 11-MAR-93					
		Analysis Date: 15-MAR-93					

Note: Results in ug/kg are reported on an "as received" or wet weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

Ck'd: dlk App'd: [illegible]
Date Issued: 3/18/93

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ONE SCIENCE COURT
P.O. BOX 5385
MADISON, WI 53705
(608) 231 4747
FAX (608) 231 4777

STANDARD REPORT FOOTNOTES

A1 Elevated quantitation limit due to low sample volume.

A2 Elevated quantitation limit necessary to overcome interference.

A3 Elevated quantitation limit necessary to overcome difficult matrix.

A4 Result should be considered estimated with possible low bias due to unknown interference.

A5 Result should be considered estimated with possible low bias due to difficult matrix.

A6 Result should be considered estimated with possible low bias as indicated by method QC.

A7 Result should be considered estimated with possible high bias due to unknown interference.

A8 Result should be considered estimated with possible high bias due to difficult matrix.

A9 Result should be considered estimated with possible high bias as indicated by method QC.

A10 Result should be considered estimated due to non-homogeneous sample matrix.

A11 Sample received past recommended hold time.

A12 Analysis requested past recommended hold time.

A13 Initial analysis performed within hold time; confirmation analysis performed past recommended hold time. Results from repeat analysis are reported.

A14 Initial analysis performed within hold time; necessary dilution performed past recommended hold time. Results from repeat analysis are reported.

A15 Result should be considered estimated with possible high bias; analyte detected in method blank.

A16 Elevated quantitation limit indicated by batch QC.

W1 Sample contained <0.5% solids; filtered sample was analyzed as the TCLP extract.

W2 Analysis performed on a 10% sample solution (10 grams sample + 90 mL calcium chloride solution).

W3 There is no regulatory holdtime for sulfite. Analysis is recommended as soon as possible after collection.

M1 Results are qualitative only, as requested.

M2 Total analysis performed; total concentration indicates that TCLP regulatory level could not be exceeded.

G1 Result should be considered estimated, concentration exceeds working calibration range.

G2 Elevated quantitation limit due to the concentration of petroleum hydrocarbons in the sample.

G3 Elevated quantitation limit due to the concentration of non-specific hydrocarbons in the sample.

G4 Analyte coelutes with_____; result calculated from calibration standards in a 1:1 ratio of these two compounds.

G5 Sample required extensive cleanup; Endrin Aldehyde is not recovered from these techniques.

G6 Petroleum-type odor detected from this sample.

G7 Elevated quantitation limit due to the concentration of PCBs in the sample.

G8 Result should be considered estimated with possible high bias due to coelution with an additional hydrocarbon product.

G9 Results are influenced by the presence of extraneous peaks which are not representative of petroleum hydrocarbon products.

G10 Presence of one or more unidentified peaks eluting earlier than the retention time window.

G11 Presence of one or more unidentified peaks eluting later than the retention time window.

G12 Result is estimated. The method used is a screening procedure for this compound.

G13 Measurement performed using test strips.

G14 Measurement upon receipt performed using test strips.

G15 n-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine.

G16 Measurement upon receipt performed using test strips. Adjusted to pH <2.

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MADISON
ONE SCIENCE COURT
P.O. BOX 5385
MADISON, WI 53705
(608) 231 4747
FAX (608) 231 4777

METHOD REFERENCES

Analytes	Aqueous	Non-Aqueous
Acidity	305.2	-
Alkalinity, Total	310.1 / 310.2	-
Alkalinity, Phenolphthalein	SM2320	-
Alkalinity, Bicarbonate	SM2320	-
Alkalinity, Carbonate	SM2320	-
BOD-5 day	405.1	-
Boron	212.3	-
Carbon, Percent Organic	-	29-3.5.3
Carbon, Total Organic (TOC)	415.1	-
Chlorine, Residual	330.3	-
Chromium, Hexavalent	SM3500D	-
COD	410.4	-
Cyanide, Total	335.3	9012
Cyanide, Amenable	335.1	9012
Cyanide, Reactive	SW7.3	SW7.3
Density	SM2710F	SM2710F
Flashpoint, Closed Cup	SW1010	SW1010
Flashpoint, Open Cup	ASTMD4206	ASTMD4206
Fluoride	340.2	-
Hardness, Total	130.1	-
Nitrogen, Ammonia	350.2	350.2
Nitrogen, Nitrate	353.2	-
Nitrogen, Nitrite	353.2	-
Nitrogen, Nitrate+Nitrite	353.2	-
Nitogen, Total Kjeldahl (TKN)	351.3	351.3
Nitrogen, Total Organic (TON)	350.2 & 351.3	350.2 & 351.3
Oil & grease	413.1	9071
Paint Filter Test	9095	9095
pH	150.1	9045
Phenol, Total	420.2	9066
Phosphorus, Total	365.1	365.1
Phosphorus, Ortho	365.2	-
Solids, Total Dissolved	160.1	-
Solids, Total Suspended	160.2	-
Solids, Total	160.3	160.3
Solids, Total Volatile	160.4	-
Specific Conductance	120.1	-
Specific Weight	SM2710F	SM2710F
Sulfide, Total	376.1	9030
Sulfide, Reactive	SW7.3	SW7.3
Turbidity	180.1	-
TRPH	418.1 & 9073	418.1 & 9073

SW846, "Test Methods for Evaluating Solid Waste", 3rd Ed., December 1987.

EPA-600, "Methods for Chemical Analysis of Water and Wastes", March 1984.

Standard Methods for the Examination of Water and Wastewater", 17th Edition, 1989.

ASTM, Annual Book of American Society for Testing and Materials Standards, 1983, Volume 6.01.

Methods for Soil Analysis, 2nd Ed.

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MADISON, WI 53705
(608) 231 4747
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METHOD REFERENCES

Compounds	Soil/Groundwater	Wastewater
Alcohol	8015*	8015*
BEXT	8020	602
DRO	Modified DRO	Modified DRO
GRO	Modified GRO	Modified GRO
Herbicides	8150	8150
Pesticides	8080	608
Pesticide/PCBs	8080	608
PCBs	8080**	608
PNA (GC/MS)	8270	8270
PNA (HPLC)	8310	8310
PVOCs	8020	8020
SVOCs	8270	8270
TPH	D-3328-78*	D-3328-78*
TRPH	418.1 & 9073	418.1 & 9073
VOCs	8021	8021
VOCs	8010/8020***	601/602

SW846, "Test Methods for Evaluating Solid Waste", 3rd Ed., December 1987.

EPA-600, "Methods for Organic Chemical Analysis of Water and Wastes", March, 1984.

ASTM, "Annual Book of ASTM Standards", 1990.

Wisconsin DNR Modified 9073 TRPH, PUBL-SW-140, Wisconsin DNR, April 1992.

Wisconsin DNR Modified DRO, PUBL-SW-141, Wisconsin DNR, April 1992.

Wisconsin DNR Modified GRO, PUBL-SW-140, Wisconsin DNR, April 1992.

* With Modifications
** With Modfications for Oil Matrix.
*** With Modfications for Soil Gas Matrix.