



ENVIRONMENTAL & REGULATORY SERVICES  
2129 Jackson Street  
Oshkosh, Wisconsin 54901  
(920) 424-0025  
TDD #: (608) 264-8777  
www.commerce.state.wi.us

Tommy G. Thompson, Governor  
Brenda J. Blanchard, Secretary

November 8, 2000

Mr. William Getchell  
Marinette Marine Corporation  
1600 Ely Road  
Marinette, WI 54143-2434

Subject: Case Closure – Marinette Marine Corporation 550-gal fuel oil tank  
1600 Ely Street, Marinette  
COMMERCE #54143-2434-00 DNR #03-38-257089

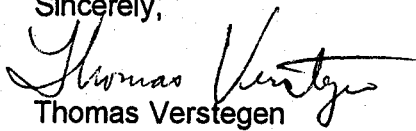
Dear Mr. Getchell:

The above referenced site was reviewed for closure by Wisconsin Department of Commerce PECFA Site Review staff in response to a closure request prepared by your consultant, Environmental Compliance Consultants. The Department of Natural Resources transferred this site to the Department of Commerce on September 6, 2000 for regulatory oversight. This was an unknown tank discovered during construction activities. After reviewing the tank closure report submitted by your consultant, the Department concurs and no further investigation or remediation is necessary for the site.

This decision is based on the information provided. If, in the future, site conditions indicate that any contamination that may remain poses a threat, the need for further remediation would be determined and required if necessary.

Thank you for your efforts in the protection of the environment. If you have any questions, please call me at 920-424-0025.

Sincerely,

  
Thomas Verstegen  
Hydrogeologist  
Department of Commerce

cc: PECFA File – pf\pecfa\541\54143\243400\close.doc  
Mr. Noel Versch - ECCI



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
Ronald Kazmierczak, Regional Director

Northeast Region Headquarters  
Bureau for Redevelopment & Remediation  
PO Box 10448, 1125 N. Military Avenue  
Green Bay, Wisconsin 54307-0448  
Telephone 920-492-5916  
FAX 920-492-5859

September 6, 2000

Marinette Marine Corporation  
Attn: William Getchell  
1600 Ely Rd  
Marinette, WI 54143-2434

RECEIVED

SEP 11 2000

ERS DIVISION  
OSHKOSH

Subject: Consultant Request for File Transfer  
Marinette Marine Corporation – Bldg 10  
1600 Ely Rd  
Marinette, WI  
WDNR BRRTS ID # 03-38-257089

Dear Mr Getchell:

The currently enacted Biennial Budget contains language that modifies the way the State classifies sites impacted by petroleum contamination. In addition, under this same language, oversight for sites falling under the definition of "low or medium risk" become the responsibility of the Wisconsin Department of Commerce (or Commerce) rather than our agency. This site falls under this new definition, and as such, further reviews of submittals and technical assistance will need to be provided by staff at Commerce.

We received from your consultant a request for transfer of this site. Due to the changes in statutory language, we are transferring all file documents for this site to the Department of Commerce at the following address:

Wisconsin Department of Commerce  
Attn: Bob Klauk (920) 424-0046  
2129 Jackson Street  
Oshkosh, WI 54901

If you have questions or concerns regarding this site, or would like to review any of the pertinent file documents, you should direct them to the Commerce contact person listed above.

Thank you for your understanding as we implement the language contained within the Biennial Budget.

Sincerely,

Sheila Neuman  
Program Assistant, Bureau for Remediation and Redevelopment

cc: Lori Huntoon, WI Dept. of Commerce, PO Box 8044, Madison, WI 53708-8044  
Bob Klauk, WI Dept. of Commerce, 2129 Jackson Street, Oshkosh, WI 54901  
Noel Versch, Environmental Compliance Consultants Inc, PO Box 11417,  
Green Bay, WI 54307-1417

Quality Natural Resources Management  
Through Excellent Customer Service





ENVIRONMENTAL COMPLIANCE CONSULTANTS, INC.

P.O. Box 11417 • GREEN BAY, WI 54307-1417 • 920-434-5380 (VOICE) • 920-434-5381 (FAX)

~~SECRET~~ → Sheila Nauman - NER

August 9, 2000

Ms. Dee Zoellner  
Wisconsin Department of Commerce  
2129 Jackson Street  
Oshkosh, Wisconsin 54901

Transfer to DCOM @ Consultant  
Request: non-high risk site - did not receive report.

**COPY**



Dear Ms. Zoellner:

RE: UST Site Assessment Report and Request for Closure  
Marinette Marine Corporation, 1600 Ely Road, Marinette, Wisconsin  
WDNR BRRTS #03-38-257089

Enclosed for your review is an UST Site Assessment Report and Request for Closure for the Marinette Marine Corporation property (the Site). It concerns the removal on July 27, 2000, of one 550-gallon diesel underground storage tank (UST) exposed during construction excavation activities on July 13, 2000, at the above location. Two confirmation soil samples were collected. The confirmation samples showed low level detections of petroleum-related compounds, namely, diesel range organics (DRO).

Because the site does not meet the definition of "high risk", this letter is being sent to you so the Department of Commerce may review the closure request. A copy of this letter is being submitted to the WDNR only for their reference and so that they may officially transfer the project files to your office.

If you have any questions or comments, please feel free to contact me at (920) 434-5028.

Sincerely,

Environmental Compliance Consultants, Inc.

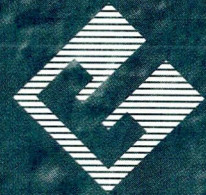
Noel Versch  
Project Manager

James M. Rabideau, P.G.  
Green Bay Division Manager

Enclosure

cc: Mr. Mike Netzer, WDNR w/o enclosure  
Mr. William Getchell, Marinette Marine Corporation  
Mr. Kim Conant, ECCI





**ENVIRONMENTAL COMPLIANCE CONSULTANTS, INC.**

P.O. Box 11417 • Green Bay, WI 54307-1417 • 920-434-5380 (Voice) • 920-434-5381 (Fax) • 1-888-ECCI-NOW

**Underground Storage Tank Site  
Assessment and Request For Site  
Closure**

**WDNR BRRTS #03-38-257089**

**Marinette Marine Corporation  
Marinette, Wisconsin**

Prepared for:  
**Marinette Marine Corporation  
1600 Ely Street  
Marinette, Wisconsin 54143-2434**

**August 9, 2000**

**RECEIVED  
AUG 11 2000  
ERS DIVISION**

*Sharing Your Concerns. Creating Sound Solutions.*





ENVIRONMENTAL COMPLIANCE CONSULTANTS, INC.

P.O. Box 11417 • GREEN BAY, WI 54307-1417 • 920-434-5380 (VOICE) • 920-434-5381 (FAX)

August 9, 2000

Ms. Dee Zoellner  
Wisconsin Department of Commerce  
2129 Jackson Street  
Oshkosh, Wisconsin 54901

Dear Ms. Zoellner:

RE: UST Site Assessment Report and Request for Closure  
Marinette Marine Corporation, 1600 Ely Road, Marinette, Wisconsin  
WDNR BRRTS #03-38-257089

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Because the site does not meet the definition of "high risk", this letter is being sent to you so the Department of Commerce may review the closure request. A copy of this letter is being submitted to the WDNR only for their reference and so that they may officially transfer the project files to your office.

If you have any questions or comments, please feel free to contact me at (920) 434-5028.

Sincerely,

**Environmental Compliance Consultants, Inc.**

Noel Versch  
Project Manager

James M. Rabideau, P.G.  
Green Bay Division Manager

Enclosure

cc: Mr. Mike Netzer, WDNR w/o enclosure  
Mr. William Getchell, Marinette Marine Corporation  
Mr. Kim Conant, ECCI

## UST Site Assessment and Request For Case Closure

**Marinette Marine Corporation  
1600 Ely Street  
Marinette, Wisconsin**

**WDNR BRRTS #03-38-257089**

Prepared for:

**Marinette Marine Corporation  
Marinette, Wisconsin**

August 9, 2000

I, Noel M. Versch, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

 8/9/00  
Signature Date

I, James M. Rabideau, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code; that I am a registered professional geologist in the State of Wisconsin, registered in accordance with the requirements of Ch. A-E 10, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in Ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

 8/9/00  
Signature Date

Environmental  
Compliance  
Consultants, Inc.  
P. O. Box 11417  
Green Bay, WI 54307-1417  
(920) 434-5380; fax: (920) 434-5381

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Consultants, Inc.

2000



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- Appendix F: Commerce Case Summary and Close Out Form



## 1. SITE BACKGROUND INFORMATION

### *Site Owner and UST System Owner/Operator*

Marinette Marine Corporation  
1600 Ely Street  
Marinette, Wisconsin 54143-2434

### *Address of Tank Location*

1600 Ely Street  
Marinette, Wisconsin 54143-2434

### *Legal Description of Site*

NE¼, NW¼, Section 5, T31N, R27E

### *Certified Site Assessor*

Environmental Compliance Consultants, Inc.  
Noel Versch  
P.O. Box 11417  
Green Bay, Wisconsin 54307-1417  
(920) 434-5028  
Site Assessor certification #640789

### *Site Assessment Subcontractors*

Not applicable

### *Summary of Past and Present Property Use*

Currently, the property is an industrial facility engaged in boat manufacturing.

### *Description of Tanks Removed Previously*

Previously six aboveground storage tanks (ASTs) were removed from the property: two 275-gallon diesel ASTs; one 275-gallon unleaded gasoline AST; one 500-gallon diesel AST; and two 1,000-gallon diesel ASTs.

*Results of Tank Tightness Tests*

Information not available

*Results of Previous Investigations*

There are no known previous investigations on this property.

*Other Gas Stations/LUST sites on Surrounding Properties*

There are no known Gas Stations/LUST sites on surrounding properties.

*Estimated Depth to Groundwater and Local Groundwater Use*

The estimated depth to groundwater is expected to be approximately six to seven feet below surface grade (bsg). Potable water is provided by the municipality.

**2. TANK CLEANING AND DISPOSAL**

*Method of Tank Closure*

Removal

*Date of Removal*

July 25, 2000

*Certified Cleaner/Remover*

American Remediation & Supply, Inc.  
Mr. Arnold Koller  
N6431 Cty Hwy H  
Luxemburg, Wisconsin 54217  
(920) 845-2815  
Certification #01670

*Subcontractors*

Not Applicable



*Description of UST System(s) Removed*

Number of UST(S) 1.

SIZE	AGE	CONTENT
550-gal	Unknown	Diesel Fuel <sup>1</sup>

*Number of UST(s) Remaining on Site*

One 1000-gallon UST formerly containing leaded gasoline currently remains on the property; however, the UST was abandoned in 1980 according to abandonment rules at the time. Because the UST is located under several inches of concrete, the UST was filled with black beauty blasting material. The proper authorities were notified and closure notification is on file.

*Tank Degassing and Cleaning*

After exposing the tank during construction excavation activities, American Remediation & Supply (ARS) arrived on-site, and properly cleaned and disposed of the UST.

**3. SURPLUS PRODUCT MANAGEMENT**

*Types and Quantity of Liquids*

None

*Final Deposition of Liquids*

Not Applicable

*Name of Firm Storing, Transporting, and/or Recycling Liquids*

Not Applicable

---

<sup>1</sup>The content of the former UST was determined to be diesel fuel following discussions with employees of Marinette Marine Corporation that were employed by the facility during the period the UST was "in use."

#### 4. TANK SLUDGE MANAGEMENT

##### *Type(s) and Quantity of Sludge*

Not applicable.

##### *Final Deposition of Sludge*

Not applicable

##### *Name of Firm Storing, Transporting, and/or Recycling Sludge*

Not applicable

#### 5. SITE LOCATION MAP AND LAYOUT PLAN

May be viewed in Appendix B following this report.

#### 6. VISUAL INSPECTION

##### *Weather Conditions*

Temperature. 80 degrees Fahrenheit.

Precipitation during or prior to removal? No.

##### *Site Conditions*

Surface staining present? no.

Stressed Vegetation present? no.

Previously undiscovered or unregistered tanks present? no.

##### *Excavation Conditions*

Excavation depth 4.0 feet.

Free product present? No.

Obvious odors present? No.

Soil discoloration present? No.

Oil sheen on excavation present? No.

Native soil type Silty Sand

Backfill soil type Silty Sand and Organics.

Free Standing water in excavation? No.

If yes, type of water? NA. (runoff, groundwater, perched)



Depth to water? NA feet.  
Results of pump out tests NA.

### *Tank System Components*

Tank(s) Condition Dime size holes on side of tank, pitting.  
Piping Condition NA.  
Possible Leak Locations (if applicable) Holes.

## **7. SOIL SAMPLING**

### *Field Soil Headspace Sampling Methods*

Field soil headspace samples were not collected during the UST removal.

### *Laboratory Analyses of Soil Samples*

A total of two soil samples were collected for laboratory analysis. Each sample was analyzed for DRO. A copy of the laboratory report is attached in Appendix C.

### *Sample Results and Location*

Sample #	Location	Depth (feet)	DRO (mg/kg)	Odor	PID Results	Soil Type (USCS)
SS-1	UST Tank Bed	4.0-4.5	9.8	no	NA	SM
SS-2	UST Tank Bed	4.0-4.5	15	no	NA	SM

## **8. COPIES OF TANK INVENTORY FORMS (SBD-7437) FOR ALL TANKS BEING CLOSED**

A copy of the Tank Inventory form is contained in Appendix D.

## 9. DISCUSSION AND RECOMMENDATIONS

The UST removed consisted of one 550-gallon former diesel tank. The tank was exposed during construction activities occurring at the property. There was no indication of the UST's presence prior to exposing it. Marinette Marine Corporation notified ECCI upon discovery of the tank. Upon site arrival, ECCI personnel inspected site and UST conditions, collected two confirmation soil samples beneath each end of the UST, and submitted for laboratory analysis of DRO. Mr. Arnie Koehler of American Remediation & Supply, Luxemburg, Wisconsin, conducted tank cleaning and disposal activities. One soil sample-SS-2-showed limited DRO detections of 15.0 mg/kg, thus, requiring notification to the Wisconsin Department of Natural Resources (WDNR).

ECCI believes the site should be considered for case closure based on the following information:

- Laboratory analysis of DRO showed the presence of very low levels (9.8 and 15.0 mg/kg) of petroleum-related hydrocarbons. Neither soil sample exceeded the NR 720.09 generic residual contaminant level (GRCL) for DRO.
- Petroleum-related odors or staining were not present within surrounding soils.
- Groundwater was not encountered during the excavation. Groundwater is expected to be greater than 6.0 feet bsg.
- There are no private supply wells present on the property. Potable water is supplied by the municipality.
- Since the removal of the UST, the area has been capped with an asphalt drive, thus preventing direct contact with any remaining petroleum-related compounds that may be present.
- The source of any petroleum-related compounds-the UST-has been removed.

**APPENDIX A**

**Certification and Resumes of Project Staff**



**Noel Versch**

Environmental Scientist

*Experience*

A Project Manager with Environmental Compliance Consultants, Inc., Mr. Versch is a professional consultant experienced in conducting environmental contamination investigations, handling solid and hazardous wastes, environmental compliance, and evaluating risks of exposure to hazardous materials. Mr. Versch has worked on projects involving such large and diverse entities as the Wisconsin Department of Commerce, the Wisconsin Department of Natural Resources, and other regulatory agencies. Additionally, he has worked with counties, municipalities, private industry, commercial developers, attorneys-at-law, and lending institutions.

The following projects are cited examples of Mr. Versch's applied experience.

- Mr. Versch has conducted environmental field work at numerous LUST sites throughout northeast Wisconsin. This work included monitoring well installation, soil boring analysis, groundwater and soil sampling, site surveying, and well and borehole abandonment.
- As a COMM 10 Certified UST Site Assessor, Mr. Versch has participated in numerous UST closure assessments, including soil sample collection and writing UST closure reports.
- While employed with ECCI, Mr. Versch was responsible for writing numerous LUST reports involving a wide range of sites. These reports included site work plans, natural attenuation monitoring plans, site status updates, and case closure reports.
- Performed and managed investigations and remediations on behalf of clients to ensure their compliance with state and federal

regulations. These investigations and remediations included solid, liquid, and hazardous wastes. The investigations included: installing soil vapor probes, soil borings, test pits, and/or monitoring wells. Remediations included: monitoring and evaluating for natural attenuation; ex-situ removal and placement in sanitary landfills, construction of biopiles, and land spreading; in-situ groundwater and soil vapor extraction, air sparging, and enhanced bio.

- Performed and managed Phase I, II, and III Environmental Site assessment (ESA) projects for a variety of commercial, industrial, and undeveloped sites. These assessments were designed to identify the existence of environmental liabilities.
- Completed generalized and specific Wisconsin Pollution Discharge Elimination System (WPDES) permits to allow discharge of waste water to surface water.

*Education*

B.S. - Environmental Science, University of Wisconsin—Green Bay, 1996

*Certifications and Qualifications*

COMM 10 Certified UST Site Assessor  
 COMM 47 PECFA Program Participant (#640789),  
 Wisconsin DILHR  
 40-Hour HAZWOPER certified

*Affiliations*

Federation of Environmental Technologists

---

**James M. Rabideau**

Professional Geologist

*Experience*

A division manager in the firm of Environmental Compliance Consultants, Inc., Mr. Rabideau is a professional consultant experienced in conducting environmental contamination investigations and remediations, environmental compliance, handling of solid and hazardous wastes, and evaluating risks of exposure to hazardous materials. Mr. Rabideau has worked on projects involving such large and diverse entities as the United States Environmental Protection Agency, the Wisconsin Department of Commerce, the Wisconsin Department of Natural Resources, Tribal Nations, and other regulatory agencies. Additionally, he has worked with counties, municipalities, private industry, commercial developers, attorneys at law, and lending institutions.

The following examples are cited as a range of Mr. Rabideau's applied experience.

- **Wisconsin Department of Natural Resources.** Prior to working for ECCI, Mr. Rabideau was employed by the Wisconsin Department of Natural Resources (WDNR) as an Environmental Specialist. While employed with the WDNR, Mr. Rabideau worked in both the Solid and Hazardous Waste Programs. His responsibilities included reviewing cases for site closure, ranking sites on their potential to impact the environment and potable water supplies, and informing responsible parties of their legal obligations to restore the environment
- **Environmental site assessments.** Performed and managed Phase I, II, and III Environmental Site Assessment (ESA) projects for a variety of commercial, industrial, and undeveloped sites. These assessments were designed to identify the existence of environmental liabilities.
- **SARA Title III Compliance.** Assisted private industries in complying with their reporting requirements to achieve compliance with the provisions of SARA Title III and Wisconsin Act 342.
- **Contaminant investigation and remediations.** Performed and managed investigations and remediations on behalf of our former and current clients to ensure their compliance with state and federal regulations. These investigations and remediations included solid, liquid, and hazardous wastes. The investigations included: installing soil vapor probes, soil borings, test pits, and/or monitoring wells. Remediations included: monitoring and evalu-

ating for natural attenuation; ex-situ removal and placement in sanitary landfills, construction of biopiles, and land spreading; in-situ groundwater and soil vapor extraction, air sparging, and enhanced bio.

- **Hydrogeologic studies.** Performed hydrogeological studies to determine if mining activity caused water levels within nearby water supply wells to dramatically decline, compromised local water quality, and the effects on the local aquifer system. In one particular study, the effected area was defined by modeling the draw down caused by a quarry. Additionally, other sources potentially contributing to the draw down of the local water table were uncovered.
- **Soil and groundwater modeling.** Utilized several soil and groundwater modeling programs to further evaluate subsurface conditions. The models were used to both simulate current and predict future conditions, and to understand the transport and ultimate fate of the particular contaminant.
- **Storm water permitting.** Completed generalized and specific Wisconsin Pollution Discharge Elimination System (WPDES) permits to allow discharge of waste water to surface water. Prepared storm water pollution prevention plans for industrial and commercial development.

*Education*

B.S., Earth Science, University of Wisconsin-Green Bay,  
1994. Minor - Biology

*Certifications and Qualifications*

ILHR 10 Certified UST Site Assessor  
ILHR 47 PECFA Program Participant (#05375), Wisconsin DILHR  
NR 600.03(98), and NR 712.03(1) Qualified Hydrogeologist, Wisconsin WDNR

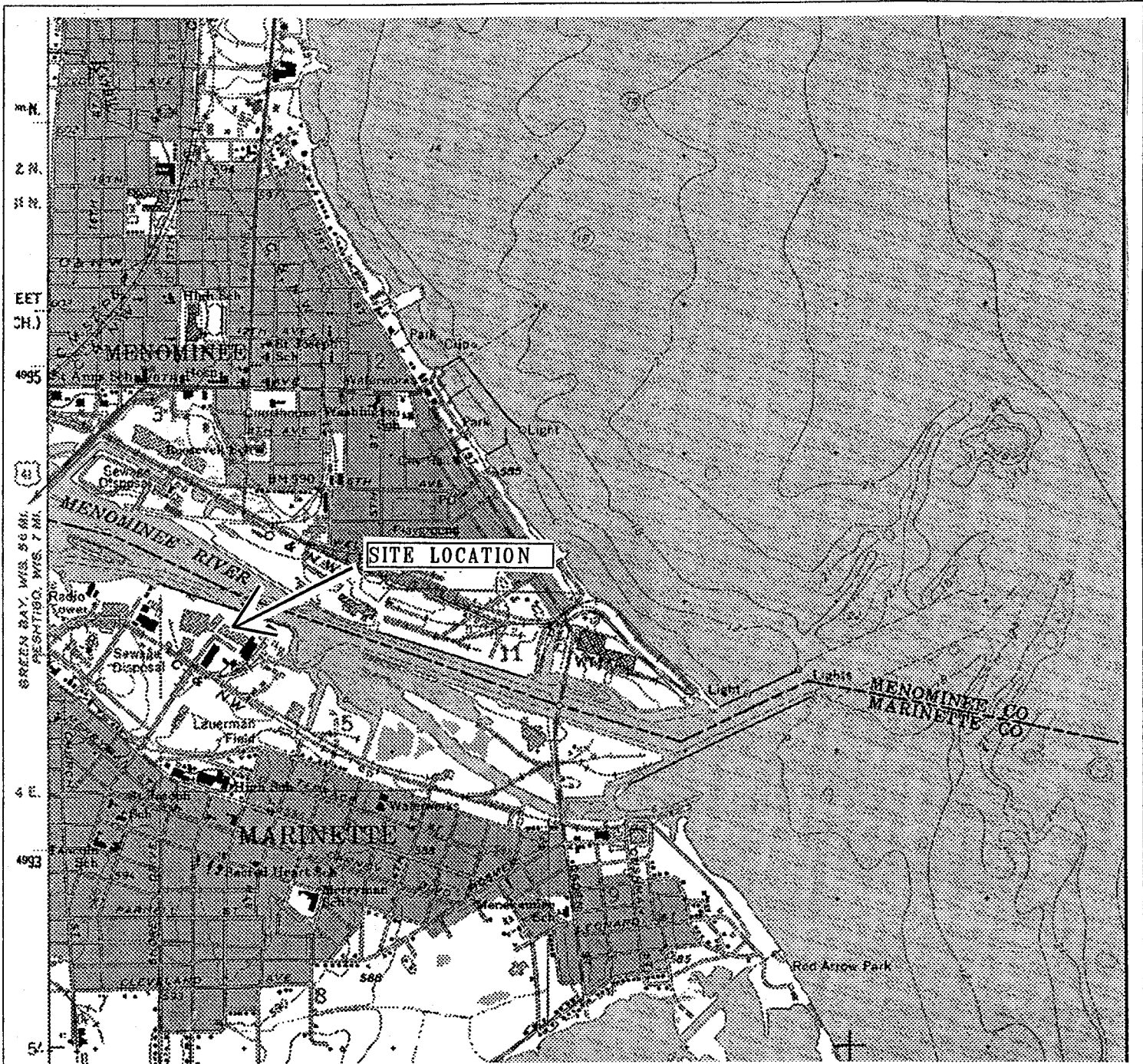
*Affiliations*

Association of Groundwater Scientists & Engineers  
Wisconsin Groundwater Society  
Wisconsin Water Well Association  
Alliance for Environmental Regulatory Communication  
Federation of Environmental Technologists

**APPENDIX B**

**Site Location Map and Site Plot Plan**





Note: Taken from the  
 Marinette West, Wis.  
 7.5 Minute USGS  
 Topographic Map.  
 Copyright (C) 1997,  
 Maptech, Inc.

Marinette Marine Corp., Marinette, WI

FIGURE 1  
 SITE LOCATION MAP

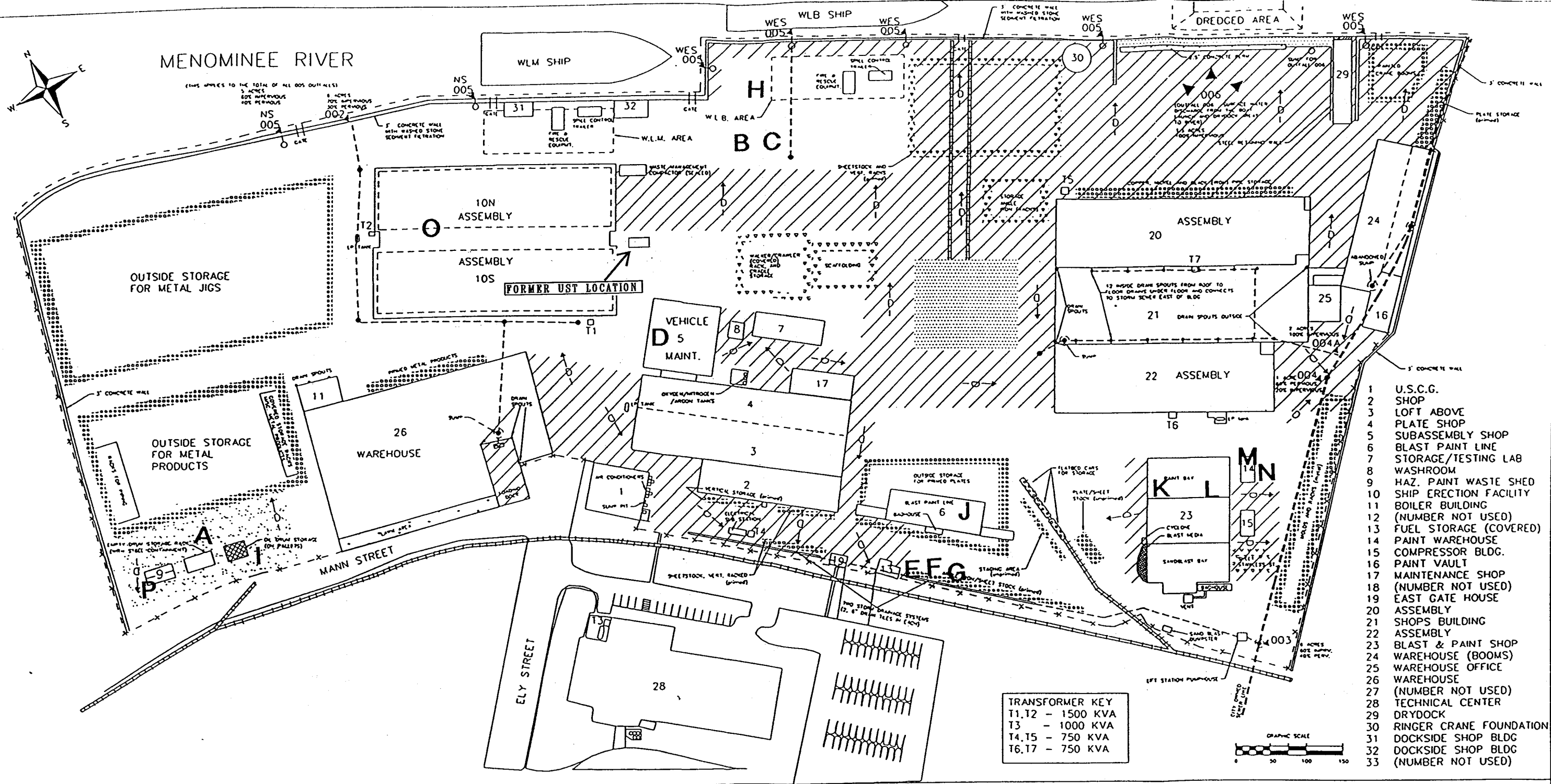
SCALE: 1:24 000

DATE: August 8, 2000

Environmental Compliance Consultants, Inc.

BY: N. Versch





- 1 U.S.C.G. SHOP
- 2 SHIP
- 3 LOFT ABOVE PLATE SHOP
- 4 SUBASSEMBLY SHOP
- 5 BLAST PAINT LINE
- 6 STORAGE/TESTING LAB
- 7 WASHROOM
- 8 HAZ. PAINT WASTE SHED
- 9 SHIP ERECTION FACILITY
- 10 BOILER BUILDING
- 11 (NUMBER NOT USED)
- 12 FUEL STORAGE (COVERED)
- 13 PAINT WAREHOUSE
- 14 COMPRESSOR BLDG.
- 15 PAINT VAULT
- 16 MAINTENANCE SHOP
- 17 (NUMBER NOT USED)
- 18 EAST GATE HOUSE
- 19 ASSEMBLY
- 20 SHOPS BUILDING
- 21 ASSEMBLY
- 22 BLAST & PAINT SHOP
- 23 WAREHOUSE (BOOMS)
- 24 WAREHOUSE OFFICE
- 25 WAREHOUSE
- 26 (NUMBER NOT USED)
- 27 TECHNICAL CENTER
- 28 DRYDOCK
- 29 RINGER CRANE FOUNDATION
- 30 DOCKSIDE SHOP BLDG
- 31 DOCKSIDE SHOP BLDG
- 32 (NUMBER NOT USED)
- 33 (NUMBER NOT USED)

Marinette Marine Corporation  
 1600 Ely Street  
 Marinette, Wisconsin 54143  
 Original Map Source: 11/91 Site Map

Environmental Compliance Consultants, Inc.  
 P. O. Box 11417  
 Green Bay, WI 54307-1417  
 (920) 434-6380  
 (920) 434-6381  
 Revised: March, 2000

**APPENDIX C**

**Laboratory Report**





1795 Industrial Drive  
Green Bay, WI 54302  
920-469-2436  
800-7-ENCHEM  
FAX: 920-469-8827

**- Analytical Report -**

Project Name : MARINETTE MARINE BLD 10

Project Number :

Client: ENV COMPLIANCE CONSLTS INC

WI DNR LAB ID : 405132750

Sample No.	Field ID	Collection Date	Sample No.	Field ID	Collection Date
803254-001	SS-1 4.0'	7/13/00			
803254-002	SS-2 4.0'	7/13/00			

Please visit our Internet homepage at: [www.enchem.com](http://www.enchem.com)

The "Q" flag is present when a parameter has been detected below the LOQ. This indicates the results are qualified due to the uncertainty of the parameter concentration between the LOD and the LOQ.

Soil VOC detects are corrected for the total solids, unless otherwise noted.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.

  
Approval Signature

  
Date



# En Chem Inc.

1795 Industrial Drive  
Green Bay, WI 54302  
920-469-2436  
800-7-ENCHEM  
Fax: 920-469-8827

---

Lab#:	TestGroupID:	Comment:
803254-001 SS-1 4.0'	DRO-S	Hump was present late in chromatogram.
803254-002 SS-2 4.0'	DRO-S	Hump was present late in chromatogram.



**- Analytical Report -**

**Project Name : MARINETTE MARINE BLD 10**

**Project Number :**

**Client : ENV COMPLIANCE CONSLTS INC**

**Field ID : SS-1 4.0'**

**Report Date : 7/17/00**

**Lab Sample Number : 803254-001**

**Collection Date : 7/13/00**

**WI DNR LAB ID : 405132750**

**Matrix Type : SOIL**

**Inorganic Results**

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Analyst
Solids, percent	90.6				%		7/14/00	SM2540G	SM2540G	DJB

**Organic Results**

**Preservation Date : 7/14/00**

**DIESEL RANGE ORGANICS - SOIL**

**Prep Method: Wi MOD DRO    Prep Date: 7/14/00    Analyst: NJS**

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
DIESEL RANGE ORGANICS	9.8			4.3	mg/kg		7/14/00	Wi MOD DRO
Blank spike	78			50	%Recov		7/14/00	Wi MOD DRO
Blank spike duplicate	86			50	%Recov		7/14/00	Wi MOD DRO
Blank	< 5.0			5.0	mg/kg		7/14/00	Wi MOD DRO

All soil results are reported on a dry weight basis unless otherwise noted.

**- Analytical Report -**

**Project Name : MARINETTE MARINE BLD 10**

**Project Number :**

**Client : ENV COMPLIANCE CONSLTS INC**

**Field ID : SS-2 4.0'**

**Report Date : 7/17/00**

**Lab Sample Number : 803254-002**

**Collection Date : 7/13/00**

**WI DNR LAB ID : 405132750**

**Matrix Type : SOIL**

**Inorganic Results**

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Analyst
Solids, percent	92.6				%		7/14/00	SM2540G	SM2540G	DJB

**Organic Results**

Analyte	Result	LOD	LOQ	EQL	Units	Code	Preservation Date : 7/14/00		Analysis Method
							Prep Method: Wi MOD DRO	Prep Date: 7/14/00	
<b>DIESEL RANGE ORGANICS - SOIL</b>									
DIESEL RANGE ORGANICS	15			4.3	mg/kg		7/14/00	Wi MOD DRO	NJS
Blank spike	78			50	%Recov		7/14/00	Wi MOD DRO	
Blank spike duplicate	86			50	%Recov		7/14/00	Wi MOD DRO	
Blank	< 5.0			5.0	mg/kg		7/14/00	Wi MOD DRO	

All soil results are reported on a dry weight basis unless otherwise noted.



**APPENDIX D**

**Underground Petroleum Product Tank Inventory Form**

Send Completed Form To:  
Department of Commerce  
Bureau of Storage Tank Regulation  
P.O. Box 7837  
Madison, WI 53707-7837

# UNDERGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Reg Obj #: \_\_\_\_\_

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. 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):		Fire Department providing fire coverage where tank is located:
<input type="checkbox"/> In Use	<input checked="" type="checkbox"/> Closed - Tank Removed	<input checked="" type="checkbox"/> City <input type="checkbox"/> Village
<input type="checkbox"/> Newly Installed	<input type="checkbox"/> Closed - Filled with Inert Materials	<input type="checkbox"/> Town of <u>Marinette</u>
<input type="checkbox"/> Abandoned with Product	<input type="checkbox"/> Temporary Out of Service - Provide Date: _____	
<input type="checkbox"/> Abandoned without Product (empty)	<input type="checkbox"/> Ownership Change (Indicate new owner name in block 2)	
<input type="checkbox"/> Abandon with Water		

### A. IDENTIFICATION (Please Print)

1. Tank Site Name <u>Marinette Marine</u>	Site Address <u>1600 Ely St.</u>	Site Telephone Number <u>(715) 735-9341</u>
<input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of:	State <u>WI</u>	Zip Code <u>54143</u>
<u>Marinette</u>		County <u>Marinette</u>
2. Tank Owner Name <u>Marinette Marine</u>	Mailing Address	Telephone Number <u>(715) 735-9341</u>
<input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of:	State <u>WI</u>	Zip Code <u>54143</u>
<u>Marinette</u>		County <u>Marinette</u>
3. Previous Name	Previous site address if different than #1	

B. Site ID #:	Facility ID #:	Customer ID #:
---------------	----------------	----------------

C. 4. Tank Age (age or date installed): <u>550 Gal</u>	5. Tank Capacity (gallons):
--	-----------------------------

D. LAND OWNER TYPE (check one)					
<input type="checkbox"/> County	<input type="checkbox"/> Federal Leased	<input type="checkbox"/> Federal Owned	<input type="checkbox"/> Municipal	<input type="checkbox"/> Other Government	
<input checked="" type="checkbox"/> Private	<input type="checkbox"/> State	<input type="checkbox"/> Tribal Nation			

E. OCCUPANCY TYPE (check one)					
<input type="checkbox"/> Gas/Retail Sales	<input type="checkbox"/> Bulk Storage	<input type="checkbox"/> Utility	<input checked="" type="checkbox"/> Mercantile/Commercial	<input type="checkbox"/> Industrial	<input type="checkbox"/> School <input type="checkbox"/> Residential
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Backup or Emergency Generator	<input type="checkbox"/> Other (Specify):			

F. Tank Construction:		Cathodic Protection		Overfill Protection? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Bare Steel	<input type="checkbox"/> Coated Steel	<input type="checkbox"/> Sacrificial Anodes	Spill Containment? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Steel - Fiberglass Reinforced Plastic Composite	<input type="checkbox"/> Impressed Current	Tank Double Walled? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<input type="checkbox"/> Lined (Date):	<input type="checkbox"/> Other (Specify):	<input type="checkbox"/> N/A			

G. Primary Tank leak detection method:			Automatic tank gauging			Groundwater monitoring		
<input type="checkbox"/> Inventory control and tightness testing	<input type="checkbox"/> Interstitial monitoring		<input type="checkbox"/> Statistical Inventory Reconciliation (SIR)			<input type="checkbox"/> Vapor monitoring		
<input type="checkbox"/> Manual tank gauging (only for tanks of 1,000 gallons or less)			<input type="checkbox"/> Unknown					

H. Piping Construction:		Cathodic Protection		Pipe Double Walled? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Bare Steel	<input type="checkbox"/> Coated Steel	<input type="checkbox"/> Sacrificial Anodes			
<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Flexible	<input type="checkbox"/> Impressed Current			
<input type="checkbox"/> Other (specify):		<input type="checkbox"/> N/A			

I. Primary Piping System Type: <input type="checkbox"/> Pressurized piping with _____ A. <input type="checkbox"/> auto shutoff; B. <input type="checkbox"/> alarm or C. <input type="checkbox"/> flow restrictor <input type="checkbox"/> Unknown					
<input type="checkbox"/> Suction piping with check valve at tank <input type="checkbox"/> Suction piping with check valve at pump and inspectable <input type="checkbox"/> Not needed if Waste Oil					

J. Piping Leak Detection Method: (used if pressurized or check valve at tank): <input type="checkbox"/> SIR <input type="checkbox"/> Tightness testing <input type="checkbox"/> Electronic line leak monitor					
<input type="checkbox"/> Groundwater monitoring <input type="checkbox"/> Vapor monitoring <input type="checkbox"/> Interstitial monitoring <input type="checkbox"/> Not required <input type="checkbox"/> Unknown					

K. Vapor Recovery/Stage II CARB #: _____					
<input type="checkbox"/> Fiberglass		<input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Flexible <input type="checkbox"/> Operational - Provide Date (mo/day/yr):	

L. TANK CONTENTS (Current, or previous product if tank now empty)					
<input checked="" type="checkbox"/> Diesel	<input type="checkbox"/> Leaded	<input type="checkbox"/> Unleaded	<input type="checkbox"/> Fuel Oil	<input type="checkbox"/> Gasohol	
<input type="checkbox"/> Other (Specify): _____	<input type="checkbox"/> Empty	<input type="checkbox"/> Sand/Gravel/Slurry*	<input type="checkbox"/> Unknown*	<input type="checkbox"/> Premix	
<input type="checkbox"/> Waste/Used Motor Oil	<input type="checkbox"/> Chemical _____	<input type="checkbox"/> Kerosene	<input type="checkbox"/> Aviation	<input type="checkbox"/> Hazardous Waste*	
(Indicate chemical name and number)					

* If chosen, this tank is NOT PECFA eligible.		Geo Latitude:	Geo Longitude:
M. If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr): <u>July 25-00</u>		Has a site assessment been completed (see reverse side for details)	
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Owner or Operator Name (please print): <u>Daniel Gulling</u>		Indicate whether:	
Owner or Operator Signature: <u>[Signature]</u>		<input checked="" type="checkbox"/> Owner or <input checked="" type="checkbox"/> Operator	
		Date Signed: <u>7-25-00</u>	

Note: Refer to comments on reverse side of form.  
ERS-7437 (R. 04/98)

**APPENDIX E**

**Checklist For Underground Tank Closure**

**Complete one form for each site closure.**

**CHECKLIST FOR TANK CLOSURE**

**RETURN COMPLETED CHECKLIST TO:**

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

CHECK ONE  
 UNDERGROUND  
 ABOVEGROUND

Wisconsin Department of Commerce  
 ERS Division  
 Bureau of Storage Tank Regulation  
 P.O. Box 7837  
 Madison, WI 53707-7837

FOR PORTIONS OF THE FORM THAT DO NOT APPLY, CHECK THE N/A BOX BELOW

**A. IDENTIFICATION: (Please Print) Indicate whether closure is for:**  Tank System  Tank Only  Piping Only

1. Site Name: Marinette Marine 2. Owner Name: Marinette Marine  
 Site Street Address (not P.O. Box): 1600 ELY ST Owner Street Address: 1600 ELY ST  
 City  Village  Town of: Marinette  City  Village  Town of: Marinette State: WI Zip Code: 54143  
 State: WI Zip Code: 54143 County: Marinette County: Marinette Telephone No. (include area code): (715) 735-9341  
 3. Closure Company Name (print): American Remediation Supply Closure Company Street Address: N 6431 Hwy H  
 Closure Company Telephone No. (include area code): 920-5845-2815 Closure Company City, State, Zip Code: Luxemburg WI 54217  
 4. Name of Company Performing Closure Assessment: BOC Assessment Company Street Address, City, State, Zip Code: PO Box 11417 Green Bay, WI 54307-1417  
 Telephone No. (include area code): 640-5850 Certified Assessor Name (print): Mac V... Assessor Signature: [Signature] Assessor Certification No.: 640-5850

Tank ID #	Closure	Temp. Closure	Closure in Place	Tank Capacity	Contents*	Closure Assessment
1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	550	Diesel	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N

\* Indicate which product: Diesel; Leaded; Unleaded; Fuel Oil; Gasohol; Aviation Fuel; Kerosene; Premix; Waste/Used Motor Oil; Flammable/Combustible Hazardous Waste; Chemical (indicate the chemical name(s) Diesel and CAS number(s) \_\_\_\_\_; Other \_\_\_\_\_

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.**

**B. TEMPORARILY OUT OF SERVICE**

Written inspector approval of temporary closure obtained, which is effective until (provide date) \_\_\_\_\_

1. Product Removed:	Remover Verified	Inspector Verified	NA
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
b. All product removed to bottom of suction line; OR	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
c. All product removed to within 1" of bottom.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
4. Dispensers/pumps left in place but locked and power disconnected.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
5. Vent lines left open.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
6. Inventory form filed indicating temporary closure.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA

**C. CLOSURE BY REMOVAL**

1. Product from piping drained into tank (or other container).	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
2. Piping disconnected from tank and removed.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
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.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
7. Tank openings temporarily plugged so vapors exit through vent.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) see Section F.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
9. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA
10. Tank cleaned before being removed from site.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> NA



**C. CLOSURE BY REMOVAL (continued)**

Remover Verified Inspector Verified

- 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" in uppermost part of tank) installed prior to moving the tank from site.  Y  N
- 13. Form ERS-7437 or ERS-8731 filed by owner with the Dept. of Commerce 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 COMMERCE OR LOCAL AGENT**

- 1. Piping 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 - EDUCTOR OUTPUT 12 FT. ABOVE GRADE**
- 6. Ventlines 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. Ventline disconnected or removed.  Y  N
- 12. Inventory form filed by owner with the Department of Commerce indicating closure in place.  Y  N

**E. CLOSURE ASSESSMENTS**

**NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO COMM 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
- 7. Agency, office and person contacted.  Y  N
- 8. Contamination suspected because of:  Odor  Soil Staining  Free Product  Sheen on Groundwater  Field instrument test

**F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION**

- Eductor 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 15 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible surface area.

- Inert gas (CO<sub>2</sub> or N<sub>2</sub>) **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.  
 Sulfonate 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**

*Tank Exposed thru Construction Excavation Tank Properly cleaned & Disposed*

**H. REMOVER/CLEANER INFORMATION**

*Demetrius...* Remover Name (print) *Demetrius...* Remover Signature *2/1/11* Remover Certification No. *1/2/2* Date Signed

**I. INSPECTOR INFORMATION**

*James Barnes* Inspector Name (print) *James Barnes* Inspector Signature *1/2/2* Inspector Certification No.

*FDID 7* For Location Where Inspection Performed *1/2/2* Inspector Telephone Number *1/2/2* Date Signed

**TANK INVENTORY FORM ERS-7437 or ERS-8731 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE CHECKLIST REMOVER**

**APPENDIX F**

**Commerce Summary and Close Out Form**

# COMMERCE CASE SUMMARY AND CLOSE OUT

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

Date Received  
(office use only)

SEE INSTRUCTIONS

A. COMMERCE NUMBER: \_\_\_\_\_

DNR BRRTS NUMBER (optional): 03-38-257089

B. Responsible Party or Owner Name  
Marinette Marine Corporation  
ATTN: BILL GETCHELL

C. Responsible Party or Owner Phone Number  
ATTN: BILL GETCHELL  
715-735-9341

D. Responsible Party or Owner Address, City, State and Zip Code  
1600 ELY STREET  
MARINETTE, WI 54143-2434

E. Remedial Action Site Name, Address, City and Zip Code  
1600 ELY STREET  
MARINETTE, WI 54143-2434

Enforcement Actions or Permits Closed Out? N/A N Contaminant Type(s): DIESEL FUEL

Quantity Released: unknown Potential Receptors: Menominee River 350 ft.

Status of water supply wells within 1200 feet of the site?  
No POTABLE WELLS within 1200 ft

SOIL  
Soil Type SM Depth to Bedrock > 50 feet

Site Specific Soil Standards (NR 720.19)? Y X N, Final Confirmation Sampling Method: DRO

Remedial Action Taken: \_\_\_\_\_ Were Soils Excavated? Y X N Quantity: \_\_\_\_\_ Tons

Treatment/Disposal Method: NA Treatment/Disposal Location: NA

GROUNDWATER (if applicable) NA

Groundwater Encountered? Y X N Monitoring Well(s) Installed? NA N

Depth to Groundwater & Flow Direction: Expected > 6 to 7 ft. below  
NE Direction, Perched Water? NA N Depth: NA feet

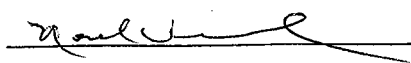
Preventive Action Limit exceeded? Y N/A (If yes, location) \_\_\_\_\_

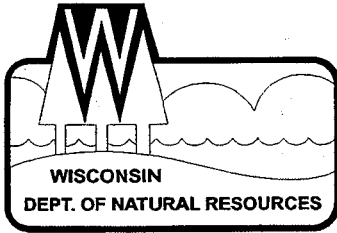
Enforcement Standard exceeded? Y N/A (If yes, location) \_\_\_\_\_

Environmental Consultant Name and Phone Number  
Noel Versel  
ECCI  
(920) 434-5028

Environmental Consultant Address, City, State and Zip Code  
PO Box 11417  
Green Bay, WI 54307-1417

I, the environmental consultant certify with my signature that the information presented is true and accurate and recommend that no further action be required at this site.

Consultant Signature  Date Signed 8/9/00



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters  
1125 N. Military Ave., P.O. Box 10448  
Green Bay, Wisconsin 54307-0448  
Telephone 920-492-5800  
FAX 920-492-5913  
TTY 920-492-5912

August 7, 2000

Marinette Marine Corporation  
Attn: William Getchell  
1600 Ely Street  
Marinette, WI 54143-2434

SUBJECT: Petroleum Contamination from Underground Storage Tank System  
Marinette Marine Corporation – Building 10, Marinette, Wisconsin  
WDNR BRRTS #03-38-257089

Dear Mr. Getchell:

On July 14, 2000, the Department of Natural Resources received notification from Noel Versch of ECCI on behalf of Marinette Marine Corporation that petroleum contamination was discovered on July 13, 2000, while performing a site assessment at the above referenced location.

Based on the information received by the DNR, we believe that Marinette Marine Corporation is responsible for restoring the environment at this site under Section 292.11, Wisconsin Statutes (hazardous substances spills law). This responsibility includes first investigating the extent of the contamination, then selecting and implementing the most appropriate remedial action. Enclosed is information to help you understand what you need to do to ensure your compliance with the spills law.

The purpose of this letter is threefold: (1) to describe your legal responsibilities; (2) to explain what you need to do to investigate and clean up the contamination; and (3) to provide you with information about cleanups, environmental consultants, and working cooperatively with the DNR.

**Legal Responsibilities:**

Your legal responsibilities are defined both in statute and administrative code. The hazardous substances spill law, Section 292.11(3) Wisconsin Statutes, states:

RESPONSIBILITY: A person who possesses or controls a hazardous substance which is discharged, or who causes the discharge of a hazardous substance, shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Codes NR 700 through NR 728 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited

contamination. Wisconsin Administrative Code NR 140 establishes groundwater standards for contaminants that reach groundwater.

**Steps to Take:**

The longer contamination is left in the environment, the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and to neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the first four steps to take:

1. **By September 7, 2000**, please submit **written** verification (such as a letter from the consultant), to the DNR staff person whose name is listed at the bottom of this page, that you have hired an environmental consultant (we would like a contact name, mailing address and phone number). If you cannot meet this timeline, please send a request for an extension, **in writing**, to the DNR staff person listed at the bottom of this page, indicating the reason why the timeline cannot be met and when you expect to be able to meet this requirement.
2. **August 7, 2000**, your consultant should submit a workplan and a schedule for conducting the investigation. The consultant must follow the Department's administrative codes and our technical guidance documents. Please include with the workplan a copy of any previous information that has been completed for your site (such as an underground tank removal report or a preliminary soil excavation report).
3. Please keep the DNR informed of what is being done at your site. It is requested that you or your consultant provide us with a **brief** report at least every 90 days starting after your workplan is submitted. These quarterly reports should summarize the work completed since the last report. Quarterly reports need only include one or two pages of text, plus any relevant maps and tables. Should conditions at your site warrant, you may receive a letter requiring more frequent contacts with the Department.
4. When the site investigation is complete, NR 716.15(1) requires that you or your consultant submit to the DNR a full report (within 30 days of completion of the report) on the extent and degree of soil and groundwater contamination and a proposal for cleaning up the contamination.

Due to the number of contaminated sites and our staffing levels, we will be unable to respond to each report. To maintain your compliance with the spills law and chapters NR 700 through NR 728, do not delay the investigation and cleanup by waiting for DNR responses. We have provided detailed technical guidance to environmental consultants. Your consultant is expected to be familiar with our technical procedures and administrative codes and should be able to answer your questions on meeting Wisconsin's cleanup requirements.

**Any questions concerning this site should be directed to the following DNR staff person; all correspondence and reports should be sent to the Department at the address below:**

Wisconsin Department of Natural Resources  
Attn: Mike Netzer (715) 582-5048  
101 N. Ogden Road  
PO Box 208  
Peshtigo, WI 54157



If the contamination doesn't include groundwater, the responsibility for governmental oversight of this site will be transferred to the Wisconsin Department of Commerce in accordance with Wisconsin Act 27.

Unless otherwise requested, **please send only one duplexed copy of all plans and reports.** Correspondence and reports should be identified with the assigned WDNR ID number and name of the site, which can be found on the first page of this letter.

**Information for Site Owners:**

Enclosed is a list of environmental consultants and some important tips on selecting a consultant. If you are eligible for reimbursement of costs under Wisconsin's PECFA program (see last paragraph), you will need to compare at least three consultants' proposals before hiring a consultant. Consultants and laboratories working in the PECFA program are required to carry errors and omissions insurance to help protect you against unsuitable work. Also enclosed are materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method. This information has been prepared to help you understand your responsibilities and what your environmental consultant needs to do. Please read the information carefully.

**Financial Information:**

Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) is available for the costs of cleaning up contamination from eligible petroleum storage tanks. The Wisconsin Department of Commerce (DCOM) administers the fund. Please contact DCOM at (608) 266-2424 for more information on eligibility and regulations for this program.

Thank you for your cooperation.

Sincerely,



Marcy McGrath  
Program Assistant  
Bureau for Remediation & Redevelopment

Enc:   Selecting an Environmental Consultant; Consultant List  
          Controlling UST Cleanup Costs Factsheets  
          Quarterly Updates for Cleanup of Contaminated Properties  
          Cleanup Process for Emergency & Remedial Response Program  
          Cleanup Methods for Petroleum Contaminated Soil & Groundwater  
          Information About PECFA

cc:     Noel Versch, ECCI, PO Box 11417, Green Bay, WI 54307-1417

03-38-257089

Wisconsin Department of Natural Resources

Notification of Petroleum Contamination from Underground / Aboveground Storage Tank Systems

Please complete this form and FAX it to the appropriate WDNR contact person (see list on back page) immediately upon discovery of a release from (CIRCLE ONE): UST / AST system.

TO: WDNR, Attn: JANIS DEGRACK

FAX #: (920) 492-5859

PLEASE TYPE or PRINT LEGIBLY:

1. Name, company, mailing address and phone number of person reporting the discharge:

Neil Versch  
ECCI  
PO Box 11417  
Green Bay, WI 54307-1417

2. Site Information

Name of site at which discharge occurred (local name of site/business -- not responsible party name, unless a residence): Marinette Marine Corporation, Building 10

Location (actual street address, not PO box; if no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60): 1600 Ely Street

Municipality (city, village, township in which the site is located -- not mailing address):

City of Marinette  
County: Marinette

Legal Description: SW 1/4, NE 1/4, Section 6, Tn 31, Range 27 E (W)

3. Responsible Party (RP) and/or RP Representative Information

RP / Business Name: Marinette Marine Corporation

Contact Person (if different): William Betzell

Mailing Address (with zip code): 1600 Ely Street  
Marinette, WI 54143-2434

Telephone Number: (715) 735-9341

4. Identity, physical state and quantity of the hazardous substance discharged (check all that apply):

- Unleaded gasoline
- Leaded gasoline
- Diesel
- Fuel oil
- Waste oil
- Other

## 5. Impacts to the environment (enter "K" for known/confirmed or "P" for potential for all that apply):

<input type="checkbox"/> Fire/explosion threat	<input checked="" type="checkbox"/> Soil contamination
<input type="checkbox"/> Contaminated private wells (# of wells) _____	<input type="checkbox"/> Surface water impacts
<input type="checkbox"/> Contaminated public wells	<input type="checkbox"/> Floating product
<input type="checkbox"/> Groundwater contamination	<input type="checkbox"/> Other _____

## 6. Contamination was discovered as a result of:

Tank closure assessment     Site assessment     (other) \_\_\_\_\_

On what date: Samples collected 7/13/00  
Lab Report 7/17/00

## Additional Comments:

*Analytical Results Attached*

**FAX numbers to report leaking tank sites in DNR's five regions are as follows:****Northeast Region (920-492-5859)**

**Underground Tanks: Attention - Janis DeBrock**

**Aboveground Tanks: Attention - Roxanne Chronert**

Brown, Calumet, Door, Fond du Lac (*except City of Waupun - see South Central Region*), Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Waupaca, Waushara, Winnebago Counties

**Northern Region (715-365-8932); Attention - Janet Kazda:**

Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn Counties

**South Central Region (608-275-3338); Attention - Marilyn Jahnke:**

Columbia, Crawford, Dane, Dodge, Fond du Lac (*City of Waupun only*), Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk Counties

**Southeast Region (414-229-0810); Attention - Mike Farley:**

Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Walworth, Washington, Waukesha Counties

**West Central Region (715-839-6076); Attention - John Grump:**

Adams, Buffalo, Chippewa, Clark, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood Counties

# En Chem Inc.

1795 Industrial Drive  
Green Bay, WI 54302  
920-469-2438  
800-7-ENCHEM  
Fax: 920-469-8827

## - Preliminary Analytical Report -

**Project Name :** MARINETTE MARINE BLD 10  
**Project Number :** **Client :** ENV COMPLIANCE CONSLTS INC  
**Field ID :** SB-1 4.0' **Report Date :** 7/17/00  
**Lab Sample Number :** 803254-001 **Collection Date :** 7/13/00  
**WI DNR LAB ID :** 406132750 **Matrix Type :** SOIL

### Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Initials
SOLIDS, PERCENT	90.6				%		7/14/00	SM2540G	SM2540G	DJB

### Organic Results

Preservation Date: 7/14/00

DIESEL RANGE ORGANICS - SOIL Prep Method: WI MOD DRO Prep Date: 7/14/00

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method	Analyst
DIESEL RANGE ORGANICS	9.8			4.3	mg/kg		7/14/00	WI MOD DRO	NJS
Blank spike	76			50	%Recov		7/14/00	WI MOD DRO	NJS
Blank spike duplicate	86			50	%Recov		7/14/00	WI MOD DRO	NJS
Blank	< 5.0			5.0	mg/kg		7/14/00	WI MOD DRO	NJS

All soil results are reported on a dry weight basis unless otherwise noted.

**En Chem Inc.**

1795 Industrial Drive  
Green Bay, WI 54302  
920-460-2436  
800-7-ENCHEM  
Fax: 920-469-8827

**- Preliminary Analytical Report -**

Project Name : MARINETTE MARINE BLD 10

Project Number :

Client : ENV COMPLIANCE CONSULTS INC

Field ID : 88-2 4.0'

Report Date : 7/17/00

Lab Sample Number : 803264-002

Collection Date : 7/13/00

WI DNR LAB ID : 406132750

Matrix Type : SOIL

**Inorganic Results**

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Initials
SOLIDS, PERCENT	92.6				%		7/14/00	SM2540G	SM2540G	DJB

**Organic Results**

Analyte	Result	LOD	LOQ	EQL	Units	Code	Preservation Date:	Analysis Date	Analysis Method	Analyst
							7/14/00	7/14/00	WI MOD DRO	
DIESEL RANGE ORGANICS - SOIL							Prep Method:	Prep Date:		
							WI MOD DRO	7/14/00		
DIESEL RANGE ORGANICS	15			4.3	mg/kg			7/14/00	WI MOD DRO	NJS
Blank spike	78			60	%Recov			7/14/00	WI MOD DRO	NJS
Blank spike duplicate	88			50	%Recov			7/14/00	WI MOD DRO	NJS
Blank	< 5.0			5.0	mg/kg			7/14/00	WI MOD DRO	NJS

All soil results are reported on a dry weight basis unless otherwise noted.