**State of Wisconsin**
**DEPARTMENT OF NATURAL RESOURCES**
**2984 Shawano Avenue**
**Green Bay WI 54313-6727**

**Scott Walker, Governor**
**Cathy Stepp, Secretary**
Telephone 608-266-2621
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January 7, 2015

Mr. Mike Nass
460 West Barry Street, #3E
Chicago, IL 60657

SUBJECT: Environmental Conditions of Property
One Hour Martinizing, 1233 South Military Avenue, Green Bay, Wisconsin
BRRTS # 02-05-217270

Dear Mr. Nass:

**Purpose**
The purpose of this letter is to provide you with the current environmental conditions of the One Hour Martinizing located at 1233 South Military Avenue, Green Bay, Wisconsin (the Property). The Property is located in Subdivision of Private Claim No. 8, west side of the Fox River, City of Green Bay, Brown County, Wisconsin, Township 24 North, Range 20 East. The Property is located in a one-story mini-mall with commercial businesses. An active dry cleaning facility occupies the Property.

**Request**
On September 18, 2014, the Department of Natural Resources (the Department) received your request to issue a letter with a determination regarding what further response actions are needed under the ch. NR 700 rule series, Wis. Adm. Code, based on the release or presence of one or more hazardous substances at the Property. The Department received the fee for providing assistance, in accordance with s. NR 749.04(1), Wis. Adm. Code, on January 5, 2014.

In order for the Department to make this determination, you have requested a complete review of the Department's file regarding the Property. The Department's file consists of the following documents:

- Release notification form submitted to the Department on March 30, 1999.
- Phase II Environmental Site Assessment, dated March 23, 1999, prepared by Northern Environmental.
- Work Plan for Site Assessment, dated April 1999, prepared by STS Consultants Ltd.
- Project Status Report, dated September 2, 1999, prepared by STS Consultants Ltd.
- Additional Site Investigation and Remedial Action Recommendations Report, dated April 2000, prepared by STS Consultants Ltd.
- Site Investigation Addendum Report, dated March 2001, prepared by STS Consultants Ltd.

- Additional Site Investigation Information, dated November 29, 2001, prepared by STS Consultants Ltd.
- Remedial Options Addendum, dated February 1, 2002, prepared by STS Consultants Ltd.
- Final Remedial Options Addendum, dated November 14, 2002, prepared by STS Consultants Ltd.
- Proposal for Environmental Services, dated August 27, 2003, prepared by STS Consultants Ltd.
- One Hour Martinizing – Military Avenue Proposal, dated November 17, 2003, prepared by STS Consultants Ltd.
- Acknowledgment of Receipt/Notice to Proceed, dated March 10, 2004, prepared by the Department.
- Transmittal Letter, dated June 30, 2004, prepared by STS Consultants Ltd.
- One Hour Martinizing Sites Email, dated May 9, 2005, prepared by STS Consultants Ltd.
- Liability Clarification and Current Environmental Conditions, dated June 6, 2005, prepared by the Department.
- Change Order for Revised Scope of Services, dated August 17, 2005, prepared by STS Consultants Ltd.
- Acknowledgment of Receipt/Notice to Proceed, dated August 29, 2005, prepared by the Department.
- Underground Injection Control Approval Request for Groundwater Remediation, dated June 13, 2006, prepared by STS Consultants Ltd.
- Summary of July 12, 2006 Telephone Conversation Memo, dated July 12, 2006, prepared by the Department.
- Requested Case Status Update Memo, dated January 25, 2007, prepared by STS Consultants Ltd.
- Telephone Log, dated May 21, 2007, prepared by the Department.
- Transmittal Letter, dated June 12, 2007, prepared by STS Consultants Ltd.
- One Hour Martinizing Letter, dated June 18, 2008, prepared by Mallery, Zimmerman & Hoida.
- Reported Contamination at One Hour Martinizing Letter, dated August 15, 2008, prepared by the Department.
- Potential Claim Notification for OHM at 1233 S. Military Avenue, Green Bay, dated August 26, 2008, prepared by the Department.

- Potential Claim Notification for Martinizing Drycleaning at 1233 S. Military Avenue and 1923 Main Street in Green Bay, dated March 17, 2009, prepared by the Department.

- June 2013 Work Plan and Cost Estimate Proposal for Groundwater Monitoring, Vapor Sampling and Reporting, dated June 28, 2013, prepared by AECOM.

- Approval of Remedial Action Change Order # 2, dated July 26, 2013, prepared by the Department.

- One Hour Martinizing Email, dated January 2014, prepared by AECOM.

- Summary of April 8, 2014 Phone Call Memo, dated April 8, 2014, prepared by the Department.

*Note: STS Consultants Ltd. is now known as AECOM.*

The Department has reviewed the submittals listed above and provides the following summary of the facts of the case and opinions concerning environmental conditions at the Property.

**Background**

The Property has operated as an active dry cleaning facility for more than 35 years. In 1967, Marti-Chic Corporation of Madison, Wisconsin opened a One Hour Martinizing franchised dry cleaning facility at the Property. The business was purchased by PEP Enterprises (a partnership) in April of 1972. Peter F. Fink was one of the partners. In 1975, Mr. Fink bought out the partnership and operated the location as the sole proprietor until incorporating the business (P.F. Fink, Inc.) in October 1997. On June 24, 2008, the Department was informed that Mr. Fink died in 2007 and that he was the sole owner and shareholder of P.F. Fink, Inc.

On August 15, 2008, the Department issued a responsible party letter to the current Property owner Synergy Investors, LLC (Synergy). On August 26, 2008, the Department informed Synergy that it was eligible to apply to the Dry Cleaner Environmental Response Fund (DERF) for reimbursement of cleanup costs associated with the Property.

The Property continues to operate as an active dry cleaning facility. The Property is located in a strip mall owned by Synergy with several operating businesses.

**Summary of Environmental Conditions – Site Investigation**

The purpose of the Phase II Environmental Site Assessment was to confirm the presence or absence of contamination associated with dry cleaning operations on the Property. One soil boring was completed inside the building near both the dry cleaning machine and the aboveground storage tank formerly used to store tetrachloroethene (PCE). Two additional soil borings were completed near the front and back doors of the building. The soil borings were advanced to a maximum depth of 10 feet below ground surface (bgs). Two of the soil borings were converted to temporary groundwater monitoring wells.

As part of the Phase II Environmental Site Assessment, soil and groundwater samples were laboratory analyzed for volatile organic compounds (VOCs). PCE, a chlorinated solvent, was detected in all three of the soil borings and breakdown products were detected in two of the soil borings. PCE was detected in the groundwater samples collected from the two temporary wells at concentrations above the ch. NR 140, Wis. Adm. Code, enforcement standard (ES) of 5 micrograms per liter (µg/L). Trichlorethene (TCE) and cis-1,2-dichloroethene (cis-DCE) were detected in one of the groundwater samples at a

concentration above the ch. NR 140, Wis. Adm. Code, ES of 5 µg/L and preventive action limit (PAL) of 7 µg/L, respectively.

Between June 1999 and September 2001, additional site investigation activities were conducted at the Property in an effort to define the lateral and vertical extent of chlorinated solvent contamination which is thought to have originated from the dry cleaning operations. As part of the site investigation, STS Consultants Ltd. collected soil samples for laboratory analysis from nine locations. The soil sample locations were associated with three hand auger soil borings, seven groundwater monitoring wells and three piezometers. Soil analytical results identified cis-DCE, TCE and/or PCE above laboratory detection limits. One of the hand auger borings (HA-1) detected petroleum compounds in the soil at concentrations below ch. NR 720, Wis. Adm. Code, values. During the October 30, 2000 groundwater sampling event, one groundwater monitoring well (MW-3) and one piezometer (PZ-1) had detections of PCE and TCE above the ch. NR 140, Wis. Adm. Code, ES of 5 µg/L and 5 µg/L, respectively. Three other monitoring wells (MW-1, MW-4 and MW-6) and one other piezometer (PZ-6) had detections of PCE above the ch. NR 140, Wis. Adm. Code, PAL of 0.5 µg/L. The remaining three wells (MW-2, MW-5 and MW-7) and piezometer (PZ-2) were non-detect for VOCs in groundwater. A figure depicting the sample locations and tables depicting the soil and groundwater analytical results are attached to this letter. Please be aware that soil and groundwater associated with the Property is considered a hazardous waste under ch. NR 600, Wis. Adm. Code.

Site investigation activities revealed chlorinated solvent soil impacts near the dry cleaning machine, on the west side of the building and on the east side of the building. Groundwater contamination above ch. NR 140, Wis. Adm. Code, PALs and/or ESs was also identified. To date, no sampling has been completed to evaluate the vapor intrusion pathway.

**Summary of Environmental Conditions – Remedial Action**

The Final Remedial Options Addendum, dated November 14, 2002, describes the proposed remedial action for cleaning up the soil and groundwater contamination identified on the Property. Per the requirements of ch. NR 169, Wis. Adm. Code, the referenced document was prepared for bidding the remediation/operation and maintenance portion of the project. The proposed remedial action consisted of the following:

- Natural Attenuation Monitoring. This option consisted of two years of quarterly groundwater monitoring of all groundwater monitoring wells and piezometers to determine the effectiveness of natural attenuation as a remedial option.

- In-situ Bioremediation Enhancement. This remedial option was to be implemented if natural attenuation monitoring was not proven to be effective and consisted of injecting a carbon amendment into the unsaturated and/or saturated soil. The injection of the carbon amendment was intended to encourage the growth of chlorinated solvent reducing bacteria. Following injection, two years of quarterly groundwater monitoring was to be conducted on all groundwater monitoring wells and piezometers.

- Institutional Controls. Institutional controls restrict access to a property or a portion of a property. Examples of institutional controls are fences, floor slabs and pavement. As part of natural attenuation and in-situ bioremediation enhancement, the building floor slab and any other impermeable surfaces would need to be maintained as an institutional control to limit the potential risk to human health through direct contact with soils and for groundwater protection.

- Case closure of the site would require a listing of the Property on the Department's GIS Registry for soil, groundwater and possibly vapors. Examples of possible continuing obligations include:
    - Groundwater contamination present above ch. NR 140, Wis. Adm. Code, enforcement standards.
    - Residual soil contamination exists that must be properly managed should it be excavated or removed.
    - Pavement and/or buildings must be maintained over contaminated soil and the Department must approve of any changes to this barrier.
    - As applicable, actions to address the vapor intrusion pathway.

On March 10, 2004, the Department issued a "Notice to Proceed" letter to Mr. Fink informing him that he could proceed with hiring STS Consultants Ltd. as his environmental consultant for the proposed remedial action at the Property. Per the STS Consultants Ltd. Proposal, the cost to complete two years of natural attenuation groundwater monitoring and bring the site to closure was $30,011.00. If the in-situ bioremediation enhancement was necessary an additional $15,720.00 would be necessary to achieve closure.

One year, or four rounds, into the natural attenuation groundwater monitoring effort a request was made to proceed with the in-situ bioremediation enhancement option. The request was approved by the Department on August 29, 2005. The approved dollar amount for the in-situ bioremediation enhancement was increased by $90.00 for a total of $15,810.00.

To date, no in-situ bioremediation enhancement has been implemented and seven of the eight approved natural attenuation groundwater sampling events have been completed. During the most recent groundwater sampling event, November 4, 2013, three groundwater monitoring wells (MW-1, MW-3 and MW-6) had detections of PCE above the ch. NR 140, Wis. Adm. Code, ES of 5 µg/L. One piezometer (PZ-1) had detections of PCE above the ch. NR 140, Wis. Adm. Code, PAL of 0.5 µg/L. The remaining wells (MW-2, MW-5 and MW-7) and piezometers (PZ-2 and PZ-6) were non-detect for VOCs in groundwater. A figure depicting the sample locations and tables depicting the groundwater analytical results are attached to this letter. The soil and groundwater associated with the Property is still considered a hazardous waste under ch. NR 600, Wis. Adm. Code.

**Summary of Environmental Conditions – Future Actions**

The Department is currently working with Synergy and AECOM to develop a work plan for investigating the vapor intrusion pathway. The results of the vapor investigation will aid in determining whether or not the vapor risk screening level (VRSL) and/or vapor action level (VAL) have been exceeded at the Property, adjacent strip mall units and/or off-site properties. If exceedances of the VRSL and/or VAL are discovered mitigation will be required. Depending on the results of the vapor investigation, it may also be necessary to implement a remedial action to address the soil and groundwater contamination on the Property.

The last approved groundwater sampling event, eighth round, has not been completed. This sampling event will likely occur after the vapor intrusion pathway has been assessed. The need for additional groundwater sampling events will be based on the analytical results obtained from the last groundwater sampling event and the vapor investigation.

**Dry Cleaner Environmental Response Fund**

The Property, through Synergy, is eligible for the Dry Cleaner Environmental Response Fund (DERF). DERF was developed by the dry cleaning industry to reimburse dry cleaners for their eligible costs for cleaning up dry cleaning solvent discharges to the environment. Section 292.65, Wis. Stats., contains

the statutory language from which the program must operate, and ch. NR 169, Wis. Adm. Code, contains more detailed rule language outlining how the rule is implemented. Complete information and details of DERF are available on-line at http://dnr.wi.gov/aid/derf.html.

DERF has reimbursed $57,731.25 in eligible expenses for the dry cleaning facility located at the Property. The maximum DERF award for investigating and cleaning up a dry cleaning facility is $500,000.00.

The Department's records indicate the cost to complete the site investigation at the Property was $39,493.50. This dollar amount includes the initial $10,000.00 DERF deductible. The proposed remedial action for this site was originally anticipated to cost between $30,011.00 and $45,821.00. To date, the Department has received six remedial action DERF reimbursement claims totaling $18,237.75.

**Liability Determination**

The Wisconsin Hazardous Substance Discharge Law, s. 292.11, Wis. Stats., commonly called the Spill Law, requires those who cause, possess or control a hazardous substance discharge to "take 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 this state". Section 292.55, Wis. Stats., authorizes the Department to issue clarification letters concerning liability for environmental pollution.

The data summarized above indicates that one or more hazardous substance discharges have occurred on the Property. The discharge(s) is thought to have originated from the dry cleaning operations taking place on the Property.

Site investigation activities conducted between March 1999 and September 2001 have defined the lateral and vertical extent of the soil and groundwater contamination thought to be associated with the dry cleaning operations. The DERF has reimbursed Mr. Fink and/or Synergy for site investigation and/or remedial activities.

To date, no in-situ bioremediation enhancement has been implemented and seven of the eight approved natural attenuation groundwater sampling events have been completed.

The Department is currently working with Synergy and AECOM to develop a work plan for investigating the vapor intrusion pathway. The results of the vapor investigation will aid in determining whether or not the VRSL and/or VAL have been exceeded at the Property, adjacent strip mall units and/or off-site properties. If exceedances of the VRSL and/or VAL are discovered mitigation will be required. Depending on the results of the vapor investigation, it may also be necessary to implement a remedial action to address the soil and groundwater contamination on the Property.

The last approved groundwater sampling event, eighth round, will likely occur after the vapor intrusion pathway has been assessed. The need for additional groundwater sampling events will be based on the analytical results obtained from the last groundwater sampling event and the vapor investigation.

Please be aware that the total cost and time to complete this project is likely to change based on the vapor investigation work plan AECOM is preparing and changing environmental conditions on the Property.

At the time of case closure, the Department anticipates the environmental repair case will close with continuing obligations and a listing on the Department's GIS Registry. These items were described in the Summary of Environmental Conditions – Remedial Action portion of this letter.

This response letter relates only to those conditions described above, and makes no determination concerning the presence or absence of hazardous substances, other than those identified in the reports listed above.

In the future, if the Department becomes aware of new information concerning the contaminants referenced above, or the presence of other contaminants on the Property not previously identified, the Department will need to evaluate that data to determine if response actions may be required. Whenever possible, the Department requires the person who caused the discharge to take the appropriate response actions.

The Bureau for Remediation and Redevelopment Tracking System (BRRTS) identification number for this activity is shown at the top of this letter. The Department tracks information on all determinations such as this in a Department database that is available on the internet at http://dnr.wi.gov/topic/brownfields/rrsm.html. See "BRRTS on the Web" under "Cleanup & Redevelopment". The Department has issued BRRTS case number 02-05-217270 for the Property and will track this site activity as an environmental repair site.

If you have questions or concerns regarding this letter, please contact me by phone at 920-662-5443, by email at kristin.dufresne@wisconsin.gov, or at the address listed in the letterhead.

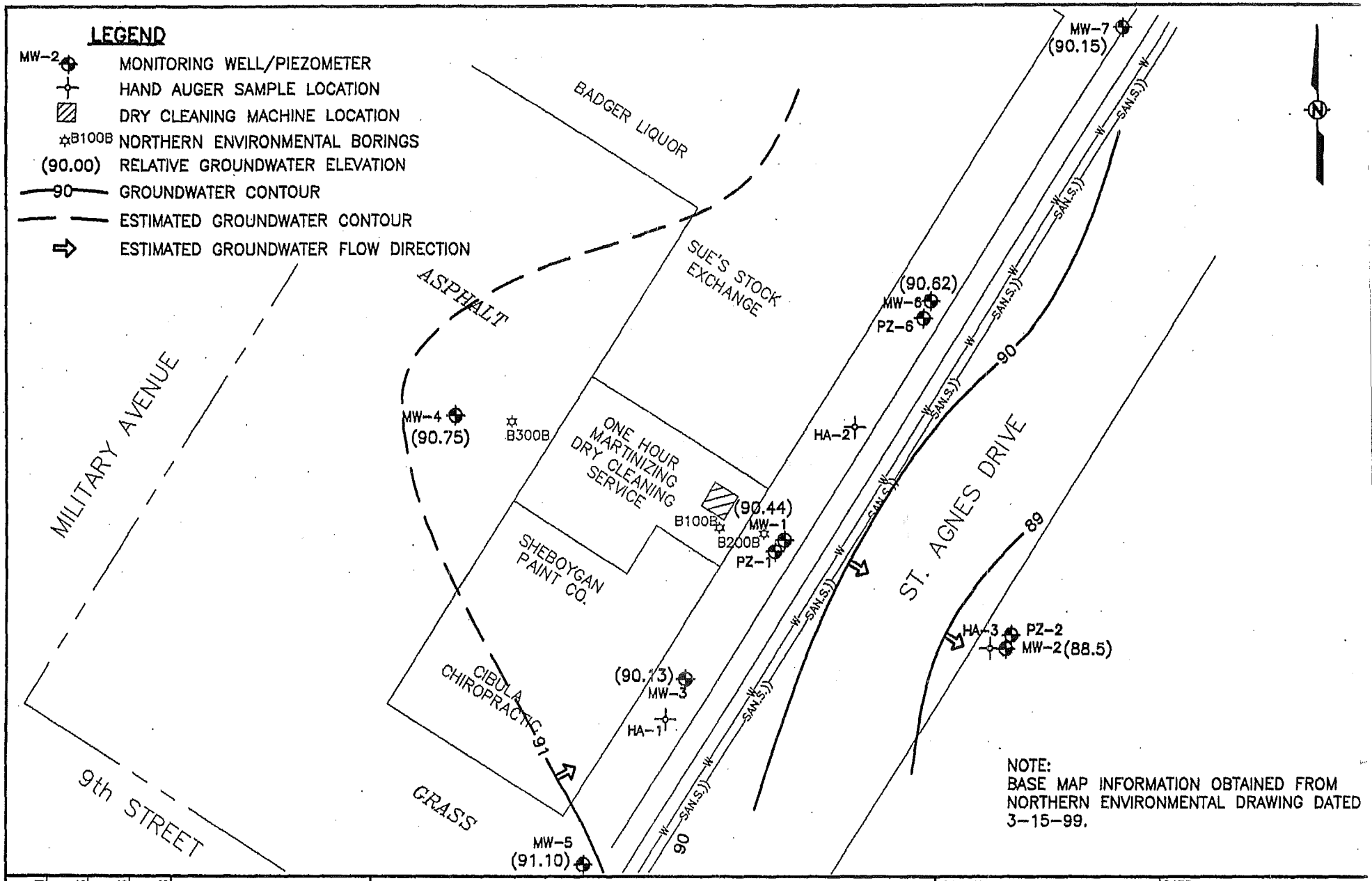
Sincerely,

Kristin DuFresne
Hydrogeologist
Region Remediation & Redevelopment Program

Attachments

Figure 3 - Groundwater Contour Map (August 21, 2001), October 12, 2001
Table 1 – Soil Analytical Results
Table 6 – Groundwater Analytical Results
Table 1 – Groundwater Analytical Results

cc: Bob Mottl – AECOM
One Hour Martinizing – Military Avenue Case File




STS Consultants Ltd.
Consulting Engineers

STS PROJECT NO. 24871XF
STS PROJECT FILE 424871XF03.dwg
SCALE 1" = 30'
FIGURE NO. 3

# GROUNDWATER CONTOUR MAP (AUGUST 21, 2001)
# ONE HOUR MARTINIZING DRY CLEANING SERVICE
# 1233 SOUTH MILITARY AVENUE
# GREEN BAY, WISCONSIN

| | | | |
|---|---|---|---|
| DRAWN BY | J.R.L. | DATE | 10-12-01 |
| CHECKED BY | P.M.G. | DATE | 10-12-01 |
| APPROVED BY | | DATE | |
| CADFILE | X:\PROJECTS\Dwg2001\24871\XF\424871XF03.dwg | | |

Table 1
Soil Analytical Results
One Hour Martinizing
1233 S. Military Avenue
Green Bay, Wisconsin

| | | | Analyte | Benzene | cis 1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Naphthalene | Tetrachloroethene | Trichloroethene | Toluene | Trimethylbenzenes | Xylenes | TOC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Units | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | mg/kg |
| | | | Depth-ft | | | | | | | | | | | |
| MW-1/PZ-1 | 6/3/99 | S-2 | 2.0 - 4.0 | <116 | <115 | <120 | <157 | <50.7 | 10100 | 511 | <68.0 | <501 | <352 | -- |
| | | S-3 | 4.0 - 6.0 | <11.4 | 21.2 (p) | <11.8 | <15.4 | <4.97 | 2760 | 134 | <6.67 | <49.1 | <34.6 | -- |
| MW-2 | 6/3/99 | S-3 | 4.0 - 6.0 | <12.6 | <12.5 | <13.0 | <17.1 | <5.51 | 106 | <14.2 | <7.39 | <54.5 | <38.3 | -- |
| MW-3 | 6/3/99 | S-2 | 2.0 - 4.0 | <11.7 | <11.6 | <12.1 | <15.8 | <5.12 | <21.0 | <13.2 | <6.86 | <50.6 | <35.6 | -- |
| | | S-4 | 6.0 - 8.0 | <12.9 | <12.8 | <13.3 | <17.5 | <5.64 | 378 | <14.6 | <7.56 | <55.7 | <39.1 | -- |
| MW-4 | 6/3/99 | S-2 | 3.0 - 5.0 | <11.7 | <11.6 | <12.1 | <15.8 | <5.11 | <21.0 | <13.2 | <6.86 | <50.5 | <35.5 | -- |
| MW-5 | 12/14/99 | S-2 | 2.0 - 4.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4640 |
| MW-6 | 12/14/99 | S-2 | 2.0 - 4.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2150 |
| HA-1 | 8/21/01 | S-1 | 1.0-2.0 | <12 | <12 | 31 | <51 | 60 | 140 | <14 | 56 | 40 | 176 | -- |
| HA-2 | 8/21/01 | S-1 | 1.0-2.0 | <12 | <11 | <12 | <49 | <33 | 42 | <13 | <6.8 | <50 | <24 | -- |
| HA-3 | 8/21/01 | S-1 | 1.0-2.0 | <12 | <12 | <12 | <51 | <35 | <22 | <14 | <7.1 | <52 | <25 | -- |
| *Soil Analytical Results from Northern Environmental's March 23, 1999, Phase 2 ESA.* | | | | | | | | | | | | | | |
| B100B | S102B | 3/10/99 | 1.0 - 3.0 | <25 | 38 | <25 | <25 | <25 | 33000 | 66 | <25 | <50 | <75 | -- |
| B200B | S201B | 3/10/99 | 1.0 - 3.0 | <25 | <25 | <25 | <25 | <25 | 7800 | 88 | <25 | <50 | <75 | -- |
| B300B | S301B | 3/10/99 | 1.0 - 3.0 | <25 | <25 | <25 | <25 | <25 | 34 | <25 | <25 | <50 | <75 | -- |
| WAC NR 720 Generic RCL[1] | | | | 5.5 | | 2900 | | | | | 1500 | | 4100 | |
| Site-Specific RCL - Non-industrial Ingestion Pathway | | | | | 1100000 | | | | 18000 | 83000 | | | | |
| Site-Specific RCL - Industrial Ingestion Pathway | | | | | -- | | | | 55000 | 260000 | | | | |
| Site-Specific RCL - Non-industrial Inhalation Pathway | | | | | 150000 | | | | 20000 | 5300 | | | | |
| Site-Specific RCL - Industrial Inhalation Pathway | | | | | 120000 | | | | 19000 | 5200 | | | | |
| Site-Specific RCL - Leaching to Groundwater Pathway | | | | | 240 | | | | 130 | 36 | | | | |
| Suggested Generic RCL (WDNR Pub. RR-519-97) | | | | | | | | 400 | | | | | | |
| WAC NR 746 Soil Screening Level | | | | 8500 | | 4600 | | | | | 38000 | 83000(1,2,4)/11000(1,3,5) | 42000 | |

Notes:
ug/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
(p) = Reported result is less than the practical quantitation limit
[1]Wisconsin Administrative Code Chapter NR 720 Generic Residual Contaminant Level
TOC = Total Organic Compounds

# Table 6 Ground-Water Analytical Results, 1233 South Military Avenue, One Hour Martinizing, Green Bay, Wisconsin

| Well ID | Date Sampled | Relevant and Significant Analytical Results (µg/l) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benzene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Ethylbenzene | Naphthalene | Tetrachloroethene | Toluene | Trichloroethene | Trimethylbenzenes | Xylenes |
| WDNR PAL (µg/l) | | 0.5 | NE | NE | 140 | 8 | 0.5 | 68.6 | 0.5 | 96 | 124 |
| WDNR ES (µg/l) | | 5 | NE | NE | 700 | 40 | 5 | 343 | 5 | 480 | 620 |
| TW200B* | 03/10/99 | <0.32 | 9.3 | <0.38 | <0.34 | 2.2"J" | >200 | 0.41"J" | 41 | <0.99 | <0.98 |
| TW300B* | 03/10/99 | <0.32 | <0.32 | <0.38 | <0.34 | 2.1"J" | 29 | 0.78"J" | <0.48 | <0.99 | <0.98 |

*Key:*

µg/l = micrograms per liter
WDNR = Wisconsin Department of Natural Resources
PAL = Preventive Action Limit
ES = Enforcement Standard
NE = Not established by WDNR
--- = Not Analyzed
* = Sample did not meet Laboratory QC Limits
"J" = Analyte detected between Limit of Detection and Limit of Quantitation
32 = WDNR Preventive Action Limit Exceeded
32 = WDNR Enforcement Standard Exceeded

s:\proj\gcg\12070859\tables\WLA003B.WK4

Northern Environmental
Hydrologists • Engineers • Geologists
WISCONSIN • Milwaukee • Green Bay • Waupun • Park Falls
MINNESOTA • St. Paul • Brainerd • Rochester
ILLINOIS • Northbrook
MICHIGAN • Detroit
CANADA • Calgary

# Table 1
## Groundwater Analytical Results
## One Hour Martinizing
## 1223 S. Military Avenue
## Green Bay, Wisconsin

DRAFT

| | | *Volatile Organic Compounds* | | | | | | | | | | | | | | *Natural Attenuation Parameters* | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Benzene µg/L | cis 1,2-Dichloro-ethene µg/L | 1,1-Dichloro-ethene µg/L | Ethyl-benzene µg/L | Bromodichloro-methane µg/L | Methylene Chloride µg/L | Naphthalene µg/L | Tetrachloro-ethene µg/L | Trichloro-ethene µg/L | Toluene µg/L | Trans-1,2-Dichloro-ethene µg/L | 1,1,1-Trichloro-ethane µg/L | Trimethyl-benzenes µg/L | Vinyl Chloride µg/L | Xylenes µg/L | Nitrate/ Nitrite mg/L | Ethane µg/L | Ethene µg/L | Methane µg/L | Chloride mg/L | Sulfate mg/L |
| MW-1 | 06/17/99 | <94 | <93 | <55 | <97 | <124 | <127 | <41 | 22800 | 233 (p) | <55 | <105 | 257 (p) | <405 | <70 | <285 | - | - | - | - | - | - |
| | 01/04/00 | <0.19 | 62 | 0.38 | <0.19 | 2.4 | <0.25 | <0.082 | 13400 | 85 | 0.13 | 0.33 | <0.3 | <0.81 | <0.14 | <0.39 | 11 | <14 | <14 | 1100 | 72 | 40 |
| | 10/30/00 | <0.19 | <0.19 | <0.18 | <0.13 | <0.25 | <0.12 | <0.082 | 3.1 | <0.098 | <0.11 | <0.17 | <0.13 | 0.35 | <0.23 | <0.3 | 14 | <14 | <14 | 12 | 56 | 45 |
| | 04/29/04 | <41 | 89 | <57 | <54 | <56 | <43 | <74 | 9100 | 120 | <67 | <89 | <90 | <180 | <18 | <263 | 17 | <10 | <10 | <10 | 89 | 60 |
| | 07/28/04 | <20 | 84 | <28 | <27 | <28 | <22 | <37 | 9400 | 110 | <34 | <44 | <45 | <90 | <9.0 | <132 | 33 | <10 | <10 | <10 | 97 | 65 |
| | 10/28/04 | <100 | <210 | <140 | <140 | <140 | <110 | <180 | 12,000 | <120 | <170 | <220 | <220 | <450 | <45 | <660 | 21 | <10 | <10 | <10 | 97 | 56 |
| | 01/27/05 | <51 | <11 | <71 | <68 | <70 | <54 | <92 | 11,000 | 81 | <84 | <110 | <110 | <220 | <22 | <320 | 21 | <10 | <10 | <10 | 110 | 51 |
| | 10/24/06 | <41 | <83 | <57 | <54 | <56 | <43 | <74 | 7,500 | 81 | <67 | <89 | <90 | <180 | - | <263 | 20 | <10 | <10 | <10 | 88 | 66 |
| | 05/01/07 | <41 | <19 | <57 | <54 | <56 | <43 | <74 | 6,100 | 88 | <67 | <89 | <90 | <180 | <18 | <263 | 22 | <10 | <10 | <10 | 76 | 70 |
| | 11/04/13 | <12.5 | <10.5 | <10.7 | <12.5 | <11.3 | <9.0 | <62.5 | 3,120 | 12.6J | <11.0 | <9.3 | <11.1 | <25 | <4.6 | <32.9 | 8.2 | <0.36 | <0.30 | <0.64 | 213 | 60.6 |
| MW-2 | 06/17/99 | <0.19 | <0.19 | <0.11 | <0.19 | <0.25 | <0.25 | <0.08 | <0.34 | <0.21 | <0.11 | <0.21 | <0.30 | <0.81 | <0.14 | <0.57 | - | - | - | - | - | - |
| | 01/04/00 | <0.19 | <0.19 | <0.11 | <0.19 | <0.25 | <0.25 | <0.082 | <0.34 | <0.21 | <0.11 | <0.21 | <0.30 | <0.81 | <0.14 | <0.39 | <0.14 | <14 | <14 | 11 | 17 | 32 |
| | 10/30/00 | <0.19 | <0.35 | <0.18 | <0.13 | <0.25 | <0.12 | <0.082 | <0.14 | <0.098 | <0.11 | <0.17 | <0.13 | <0.23 | <0.23 | <0.3 | <0.069 | <14 | <14 | <7.2 | 32 | 35 |
| | 04/29/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | 0.5 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | <0.031 | <10 | <10 | <10 | 79 | 61 |
| | 07/28/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 8.3 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | <0.031 | <10 | <10 | <10 | 66 | 52 |
| | 10/28/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 11 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 0.15 | <10 | <10 | <10 | 64 | 52 |
| | 01/27/05 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 0.25 | <10 | <10 | <10 | 2.4 | 0.82 |
| | 10/24/06 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | - | <2.63 | <0.11 | <10 | <10 | <10 | 37 | 41 |
| | 05/01/07 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | <0.085 | <10 | <10 | <10 | 88 | 65 |
| | 11/04/13 | <0.50 | <0.42 | <0.43 | <0.50 | <0.45 | <0.36 | <2.5 | <0.47 | <0.36 | <0.44 | <0.37 | <0.44 | <1.0 | <0.18 | <1.32 | <0.055 | <0.36 | <0.30 | <0.64 | 108 | 45.5 |
| MW-3 | 06/17/99 | <9.4 | <9.3 | <5.5 | <9.7 | <12.5 | <12.7 | <4.1 | 477 | <10.6 | <5.5 | <10.5 | <15.1 | <40.5 | <7 | <28.5 | - | - | - | - | - | - |
| | 01/04/00 | <0.19 | 1.8 | <0.11 | <0.19 | <0.25 | <0.25 | <0.082 | 489 | 5.9 | <0.11 | <0.21 | <0.3 | <0.81 | <0.14 | <0.39 | 16 | <14 | <14 | <7.2 | 47 | 38 |
| | 10/30/00 | <0.19 | 2.3 | <0.18 | <0.13 | <0.25 | <0.12 | <0.082 | 386 | 5.7 | 0.19 | <0.17 | <0.13 | <0.23 | <0.23 | <0.3 | 10 | <14 | <14 | <7.2 | 21 | 34 |
| | 04/29/04 | <2.0 | <4.1 | <3.8 | <2.7 | <2.8 | 2.6 | <3.7 | 440 | 5.5 | <3.4 | <4.4 | <4.5 | <8.9 | <0.90 | <13.1 | 23 | <10 | <10 | <10 | 130 | 50 |
| | 07/28/04 | <1.0 | <2.1 | <1.4 | <1.4 | <1.4 | <1.1 | <1.8 | 430 | 3.5 | <1.7 | <2.2 | <2.2 | <4.5 | <0.45 | <6.6 | 19 | <10 | <10 | <10 | 170 | 50 |
| | 10/28/04 | <2.0 | <4.1 | <2.8 | <2.7 | <2.8 | <2.2 | <3.7 | 730 | 5.8 | <3.4 | <4.4 | <4.5 | <8.9 | <0.90 | <13.1 | 20 | <10 | <10 | <10 | 210 | 60 |
| | 01/27/05 | <2.0 | <4.1 | <2.8 | <2.7 | <2.8 | <2.2 | <3.7 | 600 | 5.2 | <3.4 | <4.4 | <4.5 | <8.9 | <0.90 | <1.31 | 20 | <10 | <10 | <10 | 180 | 53 |
| | 10/24/06 | <1.0 | <2.1 | <1.4 | <1.4 | <1.4 | <1.1 | <1.8 | 510 | 2.8 | <1.7 | <2.2 | <2.2 | <4.5 | - | <6.6 | 20 | <10 | <10 | <10 | 96 | 45 |
| | 05/01/07 | <2.0 | <4.1 | <2.8 | <2.7 | <2.8 | <2.2 | <3.7 | 310 | 2.5 | <3.4 | <4.4 | <4.5 | <8.9 | <0.90 | <13.1 | 23 | <10 | <10 | <10 | 110 | 46 |
| | 11/04/13 | <0.50 | <0.42 | <0.43 | <0.50 | <0.45 | <0.36 | <2.5 | 207 | 0.46J | <0.44 | <0.37 | <0.44 | <1.0 | <0.18 | <1.32 | 11.4 | <0.36 | <0.30 | <0.64 | 137 | 35.8 |
| MW-4 | 06/17/99 | <0.19 | <0.19 | <0.11 | <0.19 | <0.25 | <0.25 | <0.08 | <0.34 | <0.21 | 0.47 | <0.21 | <0.30 | <0.81 | <0.14 | <0.57 | - | - | - | - | - | - |
| | 01/04/00 | <0.19 | <0.19 | <0.11 | <0.19 | <0.25 | <0.25 | <0.082 | <0.34 | <0.21 | <0.11 | <0.21 | <0.3 | <0.81 | <0.14 | <0.39 | <0.14 | <14 | <14 | 11 | 365 | 339 |
| | 10/30/00 | <0.19 | <0.19 | <0.18 | <0.13 | <0.25 | <0.12 | <0.082 | 1.0 | <0.098 | <0.11 | <0.17 | <0.13 | <0.23 | <0.23 | <0.3 | 0.25 | <14 | <14 | 9.3 | 407 | 373 |
| | 08/21/01 | <0.19 | <0.19 | <0.18 | <0.13 | <0.25 | <0.25 | <0.082 | <0.14 | <0.098 | <0.11 | <0.17 | <0.13 | <0.33 | <0.23 | <0.3 | - | - | - | - | - | - |
| | 04/29/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 1.8 | <10 | <10 | <10 | 530 | 53 |
| | 07/28/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 1.6 | <10 | <10 | <10 | 470 | 340 |
| | 10/28/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 1.7 | <10 | <10 | <10 | 410 | 330 |
| | 01/27/05 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 1.4 | <10 | <10 | <10 | 400 | 320 |
| | Lost during 2006 parking lot repaving by others. | | | | | | | | | | | | | | | | | | | | | |
| MW-5 | 01/04/00 | <0.19 | <0.19 | <0.11 | <0.19 | <0.25 | <0.25 | <0.082 | <0.34 | <0.21 | <0.11 | <0.21 | <0.3 | <0.81 | <0.14 | <0.39 | 1.2 | <14 | <14 | <7.2 | 1200 | 258 |
| | 10/30/00 | <0.19 | <0.19 | <0.18 | <0.13 | <0.25 | <0.12 | <0.082 | <0.14 | <0.098 | <0.11 | <0.17 | <0.13 | <0.23 | <0.23 | <0.3 | 2 | <14 | <14 | <7.2 | 838 | 243 |
| | 04/29/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 2.7 | <10 | <10 | <10 | 800 | 170 |
| | 07/28/04 | <0.41 | <0.83 | <0.75 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 2.4 | <10 | <10 | <10 | 660 | 160 |
| | 10/28/04 | <0.41 | <0.83 | <0.75 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 1.6 | <10 | <10 | <10 | 400 | 130 |
| | 01/27/05 | <0.41 | <0.83 | <0.75 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 0.18 | <10 | <10 | <10 | 11 | 11 |
| | 10/24/06 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | - | <2.63 | 2.4 | <10 | <10 | <10 | 200 | 120 |
| | 05/01/07 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 6.6 | <10 | <10 | <10 | 390 | 150 |
| | 11/04/13 | <0.50 | <0.42 | <0.43 | <0.50 | <0.45 | <0.36 | <2.5 | <0.47 | <0.36 | <0.44 | <0.37 | <0.44 | <1.0 | <0.18 | <1.32 | 1.7 | <0.36 | <0.30 | <0.64 | 137 | 62.7 |
| NR 140 ES | | 5 | 70 | 850 | 700 | 0.6 | 5 | 40 | 5 | 5 | 343 | NE | 200 | 480 | 0.2 | 620 | | | | | | |
| NR140 PAL | | 0.5 | 7 | 85 | 140 | 0.06 | 0.5 | 8 | 0.5 | 0.5 | 68.6 | NE | 40 | 96 | 0.02 | 124 | | | | | | |

# Table 1
## Groundwater Analytical Results
## One Hour Martinizing
## 1223 S. Military Avenue
## Green Bay, Wisconsin

| | | *Volatile Organic Compounds* | | | | | | | | | | | | | | *Natural Attenuation Parameters* | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Benzene | cis 1,2-Dichloro-ethene | 1,1-Dichloro-ethene | Ethyl-benzene | Bromodichloro-methane | Methylene Chloride | Naphthalene | Tetrachloro-ethene | Trichloro-ethene | Toluene | Trans-1,2-Dichloro-ethene | 1,1,1-Trichloro-ethane | Trimethyl-benzenes | Vinyl Chloride | Xylenes | Nitrate/ Nitrite | Ethane | Ethene | Methane | Chloride | Sulfate |
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | mg/L | µg/L | µg/L | µg/L | mg/L | mg/L |
| MW-6 | 01/04/00 | <0.19 | 8.7 | <0.11 | <0.19 | 0.61 | <0.25 | <0.082 | 124 | 62 | <0.11 | <0.21 | <0.3 | <0.81 | <0.14 | <0.39 | 2.7 | <14 | <14 | 12 | 193 | 76 |
| | 10/30/00 | <0.19 | <0.19 | <0.18 | <0.13 | <0.25 | <0.12 | <0.082 | 2.2 | 0.44 | <0.11 | <0.17 | <0.13 | <0.23 | <0.23 | <0.3 | 1.2 | <14 | <14 | 103 | 90 | 48 |
| | 04/29/04 | <0.41 | 5 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 95 | 11 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 2.4 | <10 | <10 | 24 | 110 | 53 |
| | 07/28/04 | <0.41 | 4.2 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 100 | 12 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 1.4 | <10 | <10 | 56 | 120 | 39 |
| | 10/28/04 | <0.41 | 5.5 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 130 | 21 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 2.2 | <10 | <10 | 250 | 120 | 49 |
| | 01/27/05 | <0.41 | 4 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 79 | 15 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 3 | <10 | <10 | 11 | 130 | 48 |
| | 10/24/06 | <0.41 | 3.8 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 79 | 7.4 | <0.67 | <0.89 | <0.90 | <1.80 | - | <2.63 | 1 | <10 | <10 | 52 | 130 | 43 |
| | 05/01/07 | <0.41 | 3.4 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 26 | 4.9 | <0.67 | <0.89 | <0.90 | <1.80 | 0.32 | <2.63 | 1.7 | <10 | <10 | <10 | 130 | 36 |
| | 11/04/13 | <0.50 | 55.4 | <0.43 | <0.50 | <0.49 | <0.36 | <2.5 | 46.9 | 16.4 | <0.44 | 0.39J | <0.44 | <1.0 | 20.7 | <1.32 | <0.055 | 6.6 | 3.9J | 1060 | 106 | 15.1 |
| MW-7 | 10/30/00 | <0.19 | 2.3 | <0.18 | <0.13 | <0.25 | <0.12 | <0.082 | <0.14 | <0.098 | 0.11 | <0.17 | <0.13 | <0.23 | <0.23 | <0.3 | <0.069 | <14 | <14 | 27 | 132 | 146 |
| | 04/29/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.19 | <2.63 | <0.031 | <10 | <10 | <10 | 170 | 230 |
| | 07/28/04 | <0.41 | 0.93 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 4.9 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | <0.031 | <10 | <10 | <10 | 170 | 210 |
| | 10/28/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.83 | 0.16 | <10 | <10 | <10 | 170 | 180 |
| | 01/27/05 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.83 | - | - | - | - | - | - |
| | 10/24/06 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | - | <2.63 | <0.11 | <10 | <10 | 22 | 420 | 69 |
| | 05/01/07 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 0.64 | <10 | <10 | <10 | 350 | 53 |
| | 11/04/13 | <0.50 | <0.42 | <0.43 | <0.50 | <0.49 | <0.36 | <2.5 | <0.47 | <0.36 | <0.44 | <0.37 | <0.44 | <0.97 | <0.18 | <1.32 | 0.3 | <0.36 | <0.30 | <0.64 | 678 | 94.8 |
| MW-7 DUP | 11/04/13 | <0.50 | 0.65J | <0.43 | <0.50 | <0.49 | <0.36 | <2.5 | <0.47 | <0.36 | <0.44 | <0.37 | <0.44 | <1.0 | <0.18 | <1.32 | 1.2 | <0.36 | <0.30 | <0.64 | 600 | 85 |
| PZ-1 | 06/17/99 | <0.94 | <0.93 | <0.55 | <0.97 | <1.24 | <1.27 | <0.41 | 98.3 | 4 | <0.55 | <1.05 | 5.04 | <4.05 | <0.70 | <2.85 | - | - | - | - | - | - |
| | 01/04/00 | <0.19 | 1.2 | <0.11 | <0.19 | <0.25 | <0.25 | <0.082 | 27 | 3.9 | <0.11 | <0.21 | <0.19 | <0.81 | <0.14 | <0.39 | <0.14 | <14 | <14 | 136 | 42 | 50 |
| | 10/30/00 | <0.19 | 2.1 | <0.18 | <0.13 | <0.25 | <0.12 | <0.082 | 9.6 | 12 | <0.11 | <0.17 | <0.13 | <0.23 | <0.23 | <0.3 | <0.069 | <14 | <14 | 81 | 59 | 70 |
| | 04/29/04 | <0.41 | 4.0 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 5.7 | 1.8 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 0.22 | <10 | <10 | 49 | 97 | 87 |
| | 07/28/04 | <0.41 | 4.1 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 7.4 | 2 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | <0.031 | <10 | <10 | 26 | 87 | 86 |
| | 10/28/04 | <0.41 | 5.9 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 47 | 1.7 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | <0.031 | <10 | <10 | 42 | 88 | 80 |
| | 01/27/05 | <0.41 | 4.6 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 5.5 | 1.4 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 0.36 | <10 | <10 | 13 | 83 | 77 |
| | 10/24/06 | <0.41 | 5.3 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 7.2 | 2.7 | <0.67 | <0.89 | <0.90 | <1.80 | - | <2.63 | <0.11 | <10 | <10 | 75 | 93 | 86 |
| | 05/01/07 | <0.41 | 3.4 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 3.6 | 1.2 | <0.67 | <0.89 | <0.90 | <1.80 | 0.20 | <2.63 | 0.25 | <10 | <10 | 19 | 64 | 47 |
| | 11/04/13 | <0.50 | 4.6 | <0.43 | <0.50 | <0.45 | <0.36 | <2.5 | 4.0 | 3.3 | <0.44 | <0.37 | <0.44 | <1.0 | 0.28J | <1.32 | <0.055 | <0.36 | <0.30 | 104 | 86.8 | 63.9 |
| PZ-2 | 10/30/00 | 0.24 | <0.19 | <0.18 | 0.21 | <0.25 | <0.12 | <0.082 | <0.14 | <0.098 | 0.58 | <0.17 | <0.13 | 0.2 | <0.23 | 0.3 | <0.069 | <14 | <14 | 205 | 14 | 32 |
| | 04/29/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | <0.031 | <10 | <10 | 31 | 11 | 31 |
| | 07/28/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 7.8 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | <0.031 | <10 | <10 | 130 | 11 | 31 |
| | 10/28/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 13 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 0.15 | <10 | <10 | 98 | 13 | 39 |
| | 01/27/05 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | 0.23 | <10 | <10 | 110 | 12 | 36 |
| | 10/24/06 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | - | <2.63 | <0.11 | <10 | <10 | 140 | 14 | 36 |
| | 05/01/07 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | <0.085 | <10 | <10 | 75 | 12 | 27 |
| | 11/04/13 | <0.50 | <0.42 | <0.43 | <0.50 | <0.45 | <0.36 | <2.5 | <0.47 | <0.36 | <0.44 | <0.37 | <0.44 | <1.0 | <0.18 | <1.32 | <0.055 | 0.80J | <0.30 | 153 | 15.8 | 30.0 |
| PZ-6 | 11/01/00 | <0.19 | 18 | <0.18 | <0.13 | <0.25 | <0.12 | <0.082 | 1.2 | 4.9 | 0.31 | <0.17 | <0.13 | <0.23 | 2.2 | <0.3 | - | <14 | <14 | 306 | - | - |
| | 04/29/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | - | <10 | <10 | 340 | - | - |
| | 10/28/04 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | 1.8 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | -- | <10 | <10 | <10 | -- | -- |
| | 10/24/06 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | - | <2.63 | - | <10 | <10 | <10 | 37 | 15 |
| | 05/01/07 | <0.41 | <0.83 | <0.57 | <0.54 | <0.56 | <0.43 | <0.74 | <0.45 | <0.48 | <0.67 | <0.89 | <0.90 | <1.80 | <0.18 | <2.63 | <0.085 | <10 | <10 | <10 | 46 | 15 |
| | 11/04/13 | <0.50 | <0.42 | <0.43 | <0.50 | <0.49 | <0.36 | <2.5 | <0.47 | <0.36 | <0.44 | <0.37 | <0.44 | <1.00 | <0.18 | <1.32 | - | 2.2J | 0.61J | 484 | -- | -- |
| NR 140 ES | | 5 | 70 | 70 | 700 | 0.6 | 5 | 100 | 5 | 5 | 800 | 100 | 200 | 480 | 0.2 | 2,000 | | | | | | |
| NR140 PAL | | 0.5 | 7 | 7 | 140 | 0.06 | 0.5 | 10 | 0.5 | 0.5 | 160 | 20 | 40 | 96 | 0.02 | 400 | | | | | | |

**Notes:**
µg/L = micrograms per liter
(p) = Reported result is less than the practical quantitation limit
NE = Not established
120 Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES) Exceedance
140 Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL) Exceedance