GIS REGISTRY
Cover Sheet

May, 2009
(RR 5367)

Source Property Information

CLOSURE DATE: Sep 3, 2003

BRRTS #: **02-71-171604**

FID #: 471031330

ACTIVITY NAME: UNIVERSAL FOUNDRY CO - FOUNDRY SAND

DATCP #:

PROPERTY ADDRESS: 495 Pearl Ave

COMM #:

MUNICIPALITY: Oshkosh

PARCEL ID #: 90103650000

***WTM COORDINATES:**

X: **636479** Y: **395010**

** Coordinates are in WTM83, NAD83 (1991)*

WTM COORDINATES REPRESENT:

- (●) Approximate Center Of Contaminant Source
- ( ) Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

- [ ] Groundwater Contamination > ES *(236)*
  - [ ] Contamination in ROW
  - [ ] Off-Source Contamination

  *(**note:** for list of off-source properties see "Impacted Off-Source Property")*

- [x] Soil Contamination > *RCL or **SSRCL *(232)*
  - [ ] Contamination in ROW
  - [ ] Off-Source Contamination

  *(**note:** for list of off-source properties see "Impacted Off-Source Property")*

Land Use Controls:

- [ ] N/A (*Not Applicable*)
- [ ] Soil: maintain industrial zoning *(220)*

  *(**note:** soil contamination concentrations between non-industrial and industrial levels)*
- [ ] Structural Impediment *(224)*
- [ ] Site Specific Condition *(228)*
- [x] Cover or Barrier *(222)*

  *(**note:** maintenance plan for groundwater or direct contact)*
- [ ] Vapor Mitigation *(226)*
- [ ] Maintain Liability Exemption *(230)*

  *(**note:** local government or economic development corporation)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? *(234)*

(●) Yes ( ) No ( ) N/A

** Residual Contaminant Level*
***Site Specific Residual Contaminant Level*

GIS Registry Checklist

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 02-71-171604 PARCEL ID #: 90103650000

ACTIVITY NAME: UNIVERSAL FOUNDRY CO - FOUNDRY SAND WTM COORDINATES: X: 636479 Y: 395010

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- [x] **Closure Letter**
- [x] **Maintenance Plan** (*if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.*)
- [ ] **Conditional Closure Letter**
- [x] **Certificate of Completion (COC)** for VPLE sites

SOURCE LEGAL DOCUMENTS

- [x] **Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
  Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- [ ] **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

  Figure #: **Title:**
- [ ] **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

- [x] **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
  Note: *Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*

  Figure #: 1 **Title: Site Location Map**
- [x] **Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 1 **Title: Site Location Diagram**
- [x] **Soil Contamination Contour Map:** For sites closing with residual soil contamination, <u>this map is to show the location of all contaminated soil and a single contour</u> showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL)as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 2 **Title: Lead Sampling Location Diagram**

BRRTS #: 02-71-171604 ACTIVITY NAME: UNIVERSAL FOUNDRY CO - FOUNDRY SAND

MAPS (continued)

☐ **Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: **Title:**

Figure #: **Title:**

☐ **Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.
Note: *This is intended to show the total area of contaminated groundwater.*

Figure #: **Title:**

☐ **Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more then 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: **Title:**

Figure #: **Title:**

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

☒ **Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: 2a-2c **Title: Soil Sample Analytical Results: Post-Remedial Action,**

☒ **Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: 3, 4 **Title: Field Data, Water Analytical Results**

☒ **Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: 3 **Title: Field Data**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

☒ **Not Applicable**

☐ **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

☐ **Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

☐ **Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

☐ **Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 02-71-171604 ACTIVITY NAME: UNIVERSAL FOUNDRY CO - FOUNDRY SAND

NOTIFICATIONS

Source Property

- ☐ **Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- ☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

- ☐ **Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
  Note: *Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*

  Number of "Off-Source" Letters:

- ☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- ☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies).** This does not apply to right-of-ways.
  Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- ☐ **Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

  Number of "Governmental Unit/Right-Of-Way Owner" Letters:

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ronald W. Kazmierczak, Regional Director

Oshkosh Service Center
625 East County Road Y, Suite 700
Oshkosh, WI 54901-9731
TELEPHONE 920-424-3050
FAX 920-424-4404

September 4, 2003

Mr. Jackson Kinney, Community Development
City of Oshkosh
215 Church Avenue / P.O. Box 1130
Oshkosh, WI 54902-1130

SUBJECT: Closure of ***WDNR BRRTS #03-71-252972*** with **NR 140 PAL Exemption**
Universal Foundry – East UST Area, 495 Pearl Avenue, Oshkosh

Unconditional Closure of ***WDNR BRRTS #03-71-114218***
Universal Foundry – West UST Area, 495 Pearl Avenue, Oshkosh

Conditional Closure of ***WDNR BRRTS #02-71-171604***
Universal Foundry – Lead & Solvent Areas, 495 Pearl Avenue, Oshkosh

Dear Mr. Kinney

The Department's Case Closeout Committee in the Northeast Regional Headquarters completed a review of the above referenced contamination cases and has approved them for closure. Your case closure letter has the following significant parts:

1. General case closure criteria.
2. Exemption issued to State Groundwater Quality Standard (NR 140)
3. Soil Deed Restriction Criteria

Please read this entire letter carefully. It addresses each of these topics with subtitled indented paragraphs.

The former Universal Foundry Property has been investigated and remediated within the Voluntary Party Liability Exemption (VPLE) Program.

General Case Closure
The case closure panel reviews environmental remediation cases for compliance with state laws, standards, and guidelines to maintain consistency in the closeout of cases. At the present time it appears that actions have been taken to the extent practicable to restore the environment and minimize the harmful effects from this discharge to the air, lands, and waters of this state. Please be aware that this letter does not absolve the current or any future owner of this property from future decisions regarding this site or impacts which may be discovered and/or traced back to improper maintenance of the caps or future activities at this site. I am currently working on the final Certificate of Completion for the property and its final approval by the Department is dependent upon meeting the following closure conditions.

Groundwater Quality Exemption
The most recent groundwater monitoring data at this site indicates an exceedance of the NR 140 preventive action limit (PAL) for Tetrachloroethylene (PCE) and Trichloroethene (TCE) of 0.94 and 0.66

micrograms per liter (ug/l) respectively at Monitoring Well # 104 but compliance with the NR 140 enforcement standard. The Department may grant an exemption pursuant to s. NR 140.28(2), Wis. Adm. Code, if the following criteria are met:

a) The anticipated increase in the concentration of PCE & TCE will be minimized to the extent technically and economically feasible.

b) Compliance with the PAL is either not technically or economically feasible.

c) The enforcement standard for PCE & TCE will not be attained or exceeded at the point of standards application.

d) Any increase in the concentration of PCE & TCE above background does not present a threat to public health or welfare.

The Department believes that the above criteria have been or will be met because of the remediation that has occurred at this site. Therefore, pursuant to NR 140.28, an exemption for the PCE & TCE PAL is granted to MW-104. This letter serves as your exemption. At this time the Department is not requiring any further investigation or other action concerning this specific site.

Soil Deed Restriction Criteria

Contaminated soils remain at the site and are covered with impermeable caps (fabric/soil barrier and asphalt parking area). A Deed Restriction (copy attached) is required as part of the conditions of closure. I have emailed the final restriction format and discussed the filing of this restriction with both Darryn Burich, Oshkosh Planning Department and also with Andrew Mott, STS Consultants. As soon as it is filed with the Winnebago County Registar of Deeds, a copy of the stamped restriction should be sent to me for the Department's file. After submittal of the documentation, the final VPLE Certificate of Closure can be granted.

The Department appreciates the actions you have undertaken to restore the environment at this site. If you have questions regarding this letter please do not hesitate to contact me at (920) 424-0399.

Sincerely,

Kathleen M. Sylvester, Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Case File – OSH
Rick Stoll – NER/DG
Bill Phelps – DG/2
Bruce Urben – NER/RR
Michael Prager – RR/3
Kristi Bales, City of Oshkosh, 215 Church Avenue / P.O. Box 1130, Oshkosh, WI 54902-1130
Andrew Mott, STS Consultants, Ltd., 558 North Main Street, Oshkosh, WI 54901
Paul Killian, STS Consultants, Ltd., 1035 Kepler, Green Bay, WI 54311

1276643

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON

09/11/2003 09:47AM

SUSAN WINNINGHOFF
REGISTER OF DEEDS

RECORDING FEE 23.00
TRANSFER FEE
OF PAGES 7

Document Number | DEED RESTRICTION

Recording Area

Name and Return Address

City Attorney's Office
P.O. Box 1130
Oshkosh, WI 54903-1130

Chg

90102430000

Parcel Identification Number

Declaration of Restrictions

In Re: See **Attachment 1** – Universal Foundry Legal Descriptions and **Attachment 2** – Parcel E Legal Description

STATE OF WISCONSIN)
) ss
COUNTY OF WINNEBAGO

WHEREAS, the City of Oshkosh is the owner of the above-described property.

WHEREAS, Fill soil has been disposed of on the property which is identified in **Figure 1**. As of December 2000, January 2001 and May 2001, when soil samples were collected on this property, the fill soil has been found to be contaminated with lead in concentrations which exceed ch. NR 720, Wisconsin Administrative Code, Direct Contact Residual Contaminant Levels for non-industrial land use at the locations identified on **Figure 2**. Soil samples that were collected on this property indicate lead contaminated soil remains on this property at the following locations: Court yard between Parcel E Building Nos. 3 through 5 and Building No. 5 northeast parking lot. Sampling locations and results are shown on Figure 2.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further soil remediation activities on the property at the present time.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

The 18 inch soil cover with geotextile non-woven fabric barrier and asphalt barrier that existed on the above-described property on the date that this restriction was signed form a barrier that must be maintained in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

The barriers that exists on the above-described property in the location shown on the attached map, Figure 1 (Site Location diagram) on the date that this restriction was signed shall be maintained in compliance with the "Engineering Controls Maintenance Plan" (**Attachment 3**), dated May 13, 2003 that was submitted to the Wisconsin Department of Natural Resources by the City of Oshkosh, as required by section NR 724.13(2), Wis. Adm. Code (1999).

In addition, the following activities are prohibited on any portion of the above-described property where the cap has been placed or where impervious surfaces exist (Figure 1), unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) Excavating or grading of the land surface; (2) Filling on capped areas and areas with impervious surfaces; (3) Plowing for agricultural cultivation; and (4) Construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or impervious surface.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction inures to the benefit of and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, Richard A. Wollangk asserts that he or she is duly authorized to sign this document on behalf of City of Oshkosh.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 8 day of September, 2003

Signature: _____

Printed Name: Richard A. Wollangk

Title: City Manager

Subscribed and sworn to before me
this 8 day of September, 2003.

Barbara J. Brandt

Notary Public, State of Wisconsin
My commission 7/10/06

This document was drafted by the Wisconsin Department of Natural Resources based on information provided by STS Consultants, Ltd.

ATTACHMENT 3
ENGINEERING CONTROLS MAINTENANCE PLAN
The Former Universal Foundry Company
Oshkosh, Wisconsin

To obtain environmental closure and a Certificate of Completion for the Former Universal Foundry Company property, engineering controls have been installed to limit the threat to public health and safety by essentially eliminating the direct-contact potential. For areas identified on Figure 1, which has a defined future residential land use, engineering controls, including: asphaltic concrete barrier with a crushed gravel base course and soil cover with geotextile fabric, were identified in the property deed restriction imposed by the Wisconsin Department of Natural Resources. The engineered cover shall be inspected and maintained by the property owner on an annual basis to ensure its long-term effectiveness as a barrier to the covered soil and concrete direct contact.

The following is a list of annual maintenance checks to assess the integrity of engineered cover on the soil:

1. A geotextile non-woven fabric was placed at the base of the Parcel E Court Yard cap to provide a visual barrier between the lead-impacted soil and the direct contact cover. Exposure of the geotextile fabric will require maintenance to the soil cover.
2. The direct contact cover generally consisting of soil and grass within the court yard of Parcel E shall be maintained to a thickness of 18 inches to limit the direct contact potential and provide positive drainage on the site.
3. A layer of asphaltic concrete was placed over crushed aggregate base course in an area depicted on the Figure 1. Periodic inspection of the asphalt concrete will be required as any cracks should be sealed on an annual basis.

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Oshkosh Service Center
625 East County Road Y, Suite 700
Oshkosh, Wisconsin 54901-9731
Telephone 920-424-3050
FAX 920-424-4404

February 3, 2000

Mr. Jackson Kinney
Director of Community Development
City of Oshkosh
215 Church Avenue / P.O. Box 1130
Oshkosh, WI 54902-1130

SUBJECT: Certificate of Completion for
Former Universal Foundry Property, Pearl Avenue & Marion Road, Oshkosh
WDNR BRRTS ID #06-71-230545

Dear Jackson:

Enclosed is the Certificate of Completion signed by Secretary Scott Hassett. The Department has appreciated the City of Oshkosh's participation in the Voluntary Party Liability Exemption (VPLE) Program. I look forward to working with you on other improvement projects in the City of Oshkosh.

Various environmental releases and concerns were addressed during the redevelopment of the property. They included the following:

- BRRTS #02-71-171604 Foundry Sand/Lead impacted areas and miscellaneous solvent release areas. This site was granted conditional closure with a deed restriction placed for cap maintenance over the lead-contaminated foundry sands left in-place in an area including locations L10, L19, L21, L22, L23 and L24. The site will be listed on the Department's GIS Registry of Closed Sites, which lists sites with soil restrictions and/or groundwater exceedances.
- BRRTS #03-71-114218 West Tank Area. This site was granted unconditional closure.
- BRRTS #03-71-252972 East Tank Area. This site was granted closure with a PAL Exemption for TCE and PCE in monitoring well MW-104. The Department believes that the above criteria have been met and the area is serviced by the City of Oshkosh Municipal System. Therefore, pursuant to ch. NR 140.28, Wis. Adm. Code, an exemption for the manganese, chloride, and sulfate enforcement standard is granted for this site. This letter serves as your exemption. At this time the Department is not requiring any further investigation or other action concerning this specific site.

Your cooperation has been appreciated. If there are any questions you may contact me at (920) 424-0399.

Sincerely,

Kathleen M. Sylvester, Hydrogeologist
Remediation & Redevelopment Program

Enc.

cc: Case File – OSH
Bruce Urben – NER (electronic) Kathy Erdmann – NER (electronic)
Michael Prager – RR/3 (electronic)
Kristi Bales, City of Oshkosh (electronic)
Jason Scott, Department of Commerce/Brownfield Program, P.O. Box 7970, Madison, WI 53707 (electronic)
Paul Killian, STS Consultants, Ltd., 1035 Kepler, Green Bay, WI 54311 (electronic)
Andrew Mott, STS Consultants, Ltd., 558 Main Street, Oshkosh, WI 54901 (electronic)

State of Wisconsin
Department of Natural Resources

CERTIFICATE OF COMPLETION OF RESPONSE ACTIONS UNDER SECTION 292.15(2)(a), WIS. STATS.

Whereas, the City of Oshkosh has applied for an exemption from liability under s. 292.15, Wis. Stats., for the property located at Pearl Avenue and Marion Road, Oshkosh, which is commonly referred to as the Universal Foundry site, further specifically described in the legal description found on Exhibit A ("the Property");

Whereas, an environmental investigation of the Property has been conducted and has determined that contamination exists at the Property;

Whereas, the City of Oshkosh has submitted to the Wisconsin Department of Natural Resources ("WDNR") investigation reports and a remedial action plan for the Property which comply with the requirements set forth in chs. NR 700-754, Wis. Adm. Code, consisting of the documents and reports listed in Exhibit B;

Whereas, in accordance with s. 292.15(2)(a), Wis. Stats., the WDNR has determined that an environmental investigation has been conducted which adequately identified and evaluated the nature and extent of the hazardous substance discharges on the Property and WDNR has approved of the remedial action plan for the Property; and

Whereas, the WDNR has granted the City of Oshkosh an exemption under section NR 140.28(2), for having chlorinated solvent-related contamination in the groundwater above the ch. NR 140, Wis. Adm. Code, preventive action limit;

Whereas, the City of Oshkosh has filed with the Register of Deeds of Winnebago County a deed restriction (Exhibit C) on the Property which declares that the Property is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and restrictions:

> *The 18 inch soil cover with geotextile non-woven fabric barrier and asphalt barrier that existed on the above-described property on the date that this restriction was signed form a barrier that must be maintained in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.*
>
> *The barriers that exists on the above-described property in the location shown on the attached map, Figure 1 (Site Location diagram) on the date that this restriction was signed shall be maintained in compliance with the "Engineering Controls Maintenance Plan" (Attachment 3), dated May 13, 2003 that was submitted to the Wisconsin Department of Natural Resources by the City of Oshkosh, as required by section NR 724.13(2), Wis. Adm. Code (1999).*

In addition, the following activities are prohibited on any portion of the above-described property where the cap has been placed or where impervious surfaces exist (Figure 1), unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) Excavating or grading of the land surface; (2) Filling on capped areas and areas with impervious surfaces; (3) Plowing for agricultural cultivation; and (4) Construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or impervious surface.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction inures to the benefit of and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

Whereas, on August 12, 2003, WDNR determined that response actions necessary to restore the environment to the extent practicable with respect to the discharges and minimize the harmful effects from the discharges to the air, land, and waters of the state were completed.

Therefore, based upon the information that has been submitted to the WDNR, the WDNR hereby certifies that the response actions set forth in the WDNR approved remedial action plan for the Property and any other necessary response actions have been completed.

Upon issuance of this Certificate, the City of Oshkosh and the persons qualified for protection under s. 292.15(3), Wis. Stats., are exempt from the provisions of ss. 289.05(1), (2), (3) and (4), 289.42(1), 289.67, 291.25(1) to (5), 291.29, 291.37, 292.11(3), (4), and (7)(b) and (c) and 292.31(8), Wis. Stats., with respect to the existence of hazardous substances on or originating from the Property, the release of which occurred prior to the date the WDNR approved the environmental investigation required under s. 292.15(2)(a)1., Wis. Stats. However, the City of Oshkosh and a person otherwise qualified for protection under s. 292.15(3), Wis. Stats., who owns or controls the Property would no longer qualify for this liability exemption if that person fails to maintain or monitor the Property as required by rules promulgated by the WDNR. Any releases of a hazardous substance to or from the Property that occur after the date that the environmental investigation was approved will be the responsibility of the current Property owner and any other person who possesses or controls that discharge and any person who caused the discharge.

The protection from liability provided under s. 292.15(2), Wis. Stats., does not apply to any person who has obtained a Certificate of Completion by fraud or misrepresentation, or by the knowing failure to disclose material information or under circumstances in which **the City of Oshkosh** knew or should have known about more discharges of hazardous substances than was revealed by the investigation approved by the WDNR.

Oshkosh knew or should have known about more discharges of hazardous substances than was revealed by the investigation approved by the WDNR.

Nothing in this Certificate or in s. 292.15, Wis. Stats., affects the authority of the WDNR to exercise any powers or duties under applicable laws other than ss. 289.05(1), (2), (3) and (4), 289.42(1), 289.67, 291.25(1) to (5), 291.29, 291.37, 292.11(3), (4), and (7)(b) and (c) and 292.31(8), Wis. Stats., with respect to any release or threatened release of contaminants at the Property, or the right of the WDNR to seek relief available against any person who is not entitled to protection from liability under s. 292.15, Wis. Stats., with respect to such release or threatened release.

SIGNED AND CERTIFIED this 20th day of OCTOBER, 2003.

Scott Hassett

Scott Hassett, Secretary
Wisconsin Department of Natural Resources

EXHIBIT A
LEGAL PROPERTY DESCRIPTION
Former Universal Foundry

UNIVERSAL FOUNDRY PROPERTY

LEGAL DESCRIPTIONS

DESCRIPTION PARCEL NO. 1

All of Lots 7, 8, 9, 10, 11, 16 and 17 and a part of Lots 6, 12, 13, 14, 15 and 18 of Block L; all of Lots 1, 2 and 3 and a part of Lots 4, 5 and 30 in Block G; all of vacated Dawes Street for the southwesterly line of Pearl Avenue to the centerline of the C & NW Railroad track; all in Western Addition to Oshkosh, in the First Ward, City of Oshkosh, Winnebago County, Wisconsin containing 3.0417 acres of land and being described by: Commencing at the Northwesterly corner of Lot 1 of Block G in Western Addition and being the true point of beginning; running thence S.51°-20'-07"E. 150.34 feet, along the southwesterly line of Pearl Avenue to its intersection with the Northwest corner of Lot 1 of Certified Survey Map No. 1579; thence S.38°-56'-25"W. 120.80 feet, along the westerly line of Lot 1 of said Certified Survey Map No. 1579; thence S.38°-51'-01"W. 30.00 feet along the westerly line of said Certified survey Map No. 1579; thence S.51°-47'-29"E.30.00 feet; thence S.38°-51'-01"W. 85.51 feet, along the westerly line of Lot 1 of said Certified Survey Map No. 1579 to its southwesterly corner thereof; thence N.51°-43'-23"W. 457.33 feet, along the centerline of the C & NW Railroad track; thence Northwesterly 54.12 feet, along the arc of a curve to the left being the centerline of the C & NW Railroad track having a radius of 17,29.28 feet and the chord of which bears N.52°-37'-11"W. 54.12 feet; thence S.38°-48'-58"W. 3.12 feet; thence N.51°-32'-06"W. 152.37 feet, along the Northeasterly line of Warren Road to the Southeasterly corner of Lot 1 of Certified Survey Map No. 1584; thence N.38°-16'-26"E. 120.31 feet, along the easterly line of Lot 1 of Certified Survey Map No. 1584 to its Northeasterly corner thereof; thence S.51°-33'-59"E. 179.04 feet, along the Northerly line of Lots 18, 17, 16 and 15 of said Block L; thence N.38°-50'-26"E. 123.75 feet, along a line 5 feet westerly of the easterly line of Lot 6 of said Block L to a point on the southwesterly line of Pearl Avenue; thence S.51°-11'-59"E. 305.83 feet, along the southwesterly line of Pearl Avenue to the true point of beginning.

DESCRIPTION PARCEL NO. II

A part of Lots 12, 13, 14 and 15 of Block L; a part of Lots 4, 30, 29, 28, 27, 26, 25 and 24 of Block G; a part of Lots 1 and 2 of block E; a part of Lots 6 and 15 and all of Lots 7, 8, 9, 10, 11, 12, 13 and 14 of Block M; a portion of vacated Warren Road, vacated Dawes Street and vacated Hancock Street all in Western Addition to Oshkosh, in the First Ward, City of Oshkosh, Winnebago County, Wisconsin containing 4.785 acres of land and being described by: Commencing at the southeasterly corner of Lot 1 of Certified Survey Map No. 1584; thence S.51°-32'-06"E. 152.37 feet, along the northeasterly line of Warren Road to its intersection with the mid line of Lots 6 and 15 of said Block M extended northeasterly and being the true point of beginning; running thence N.38°-48'-58"E. 3.12 feet; thence southeasterly 54.12 feet, along the arc of a curve to the right being the centerline of the C & NW Railroad track having a radius of 1729.28 feet and the chord of which bears S.52°-37'-11"E. 54.12 feet; thence S.51°-43'-23"E. 787.51 feet, along the centerline of the C & NW Railroad track; thence S.39°-00'-09"W. 34.14 feet; thence N.51°-47'-37"W. 30.29 feet; thence S.38°-52'-22"W. 7.40 feet, along the south line of Lot 2 in said Block E to the southwesterly corner of said Lot 2; thence N.38°-49'-58"E. 149.70 feet, along the southeasterly line of Dawes Street to its intersection with the centerline of vacated Hancock Street; thence N.51°-57'-24"W. 106.27 feet, along the centerline of vacated Hancock Street; thence N.58°-47'-16"W. 75.66 feet; thence N.51°-57'-24"W. 150.00 feet; thence N.38°-48'-58"E. 343.52 feet, along the mid line of Lots 6 and 15 of Block M and its extension to the northeasterly line of Warren Road and being the true point of beginning.

EXHIBIT B
INVESTIGATION AND REMEDIAL ACTION PLAN REPORTS
Former Universal Foundry

1. December 1994 Site Investigation Report – Hunter Building, Fox Environmental Services
2. July 1995 Interior Closure Documentation Report – Hunter Building, Fox Environmental Services
3. November 29, 1995 Case Summary and Closeout Form, Hunter Building Interior, WDNR
4. January 19, 1996 Case Summary and Closeout Form, Hunter Building Exterior, WDNR
5. January 31, 1996 Conditional Closure Plan Approval, WDNR
6. February 1996 Chemical Solvent Site Investigation Report, Fox Environmental Services
7. February 28, 1996 Conditional Hazardous Waste Facility Closure Plan Approval, WDNR
8. April 24, 1996 Closure Documentation Approval, WDNR
9. April 26, 1996 Performance-based Soil Standards for Closure of Universal Foundry – Hunter Building Exterior, WDNR
10. July 15, 1996 Chemical Solvent Closure Documentation, Fox Environmental Services
11. July 16, 1996 Case Closure Universal Foundry – Chemical Solvent Area, FID #471031330, WDNR
12. July 1996 Exterior Remedial Closure Plan, Fox Environmental Services
13. April 8, 1997 Exterior Remediation Closure Plan Submittal, Fox Environmental Services
14. May 1997 Environmental Assessment Summary Report, Fox Environmental Services
15. June 1997 Environmental Assessment Summary Report Amendment No. 1, Fox Environmental Services
16. December 1997 Remedial Action Documentation Report, Fox Environmental Services
17. May 14, 1998 Closure of BRRTS #02-71-171604, WDNR
18. January 11, 2000 Notification of Potential Petroleum Release from UST System, STS Consultants, Ltd.
19. August 2, 2000 Site Assessment and Closure Plan for Redevelopment Project, STS Consultants, Ltd.
20. November 2, 2001 Remedial Documentation and Certificate of Completion Request, STS Consultants, Ltd.
21. December 5, 2001 Request of Partial Certificate of Completion, WDNR
22. October 31, 2002 Results of Environmental Monitoring on Parcel C, STS Consultants, Ltd.
23. May 13, 2003 Certificate of Completion Request, STS Consultants, Ltd.

EXHIBIT C
DEED RESTRICTION
Former Universal Foundry

See attached documents

1276643

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON

09/11/2003 09:47AM

SUSAN WINNINGHOFF
REGISTER OF DEEDS

RECORDING FEE 23.00
TRANSFER FEE
OF PAGES 7

Document Number | DEED RESTRICTION

Recording Area

Name and Return Address

City Attorney's Office
P.O. Box 1130
Oshkosh, WI 54903-1130

Chg

90102430000

Parcel Identification Number

Declaration of Restrictions

In Re: See **Attachment 1** – Universal Foundry Legal Descriptions and **Attachment 2** – Parcel E Legal Description

STATE OF WISCONSIN)
) ss
COUNTY OF WINNEBAGO

WHEREAS, the City of Oshkosh is the owner of the above-described property.

WHEREAS, Fill soil has been disposed of on the property which is identified in **Figure 1**. As of December 2000, January 2001 and May 2001, when soil samples were collected on this property, the fill soil has been found to be contaminated with lead in concentrations which exceed ch. NR 720, Wisconsin Administrative Code, Direct Contact Residual Contaminant Levels for non-industrial land use at the locations identified on **Figure 2**. Soil samples that were collected on this property indicate lead contaminated soil remains on this property at the following locations: Court yard between Parcel E Building Nos. 3 through 5 and Building No. 5 northeast parking lot. Sampling locations and results are shown on Figure 2.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further soil remediation activities on the property at the present time.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

The 18 inch soil cover with geotextile non-woven fabric barrier and asphalt barrier that existed on the above-described property on the date that this restriction was signed form a barrier that must be maintained in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

The barriers that exists on the above-described property in the location shown on the attached map, Figure 1 (Site Location diagram) on the date that this restriction was signed shall be maintained in compliance with the "Engineering Controls Maintenance Plan" (**Attachment 3**), dated May 13, 2003 that was submitted to the Wisconsin Department of Natural Resources by the City of Oshkosh, as required by section NR 724.13(2), Wis. Adm. Code (1999).

In addition, the following activities are prohibited on any portion of the above-described property where the cap has been placed or where impervious surfaces exist (Figure 1), unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) Excavating or grading of the land surface; (2) Filling on capped areas and areas with impervious surfaces; (3) Plowing for agricultural cultivation; and (4) Construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or impervious surface.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction inures to the benefit of and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, Richard A. Wollangk asserts that he or she is duly authorized to sign this document on behalf of City of Oshkosh.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 8 day of September, 2003

Signature: _____

Printed Name: Richard A. Wollangk

Title: City Manager

Subscribed and sworn to before me
this 8 day of September, 2003.

Barbara J. Brandt

Notary Public, State of Wisconsin
My commission 7/10/06

This document was drafted by the Wisconsin Department of Natural Resources based on information provided by STS Consultants, Ltd.

ATTACHMENT 1

UNIVERSAL FOUNDRY PROPERTY

LEGAL DESCRIPTIONS

DESCRIPTION PARCEL NO. 1

All of Lots 7, 8, 9, 10, 11, 16 and 17 and a part of Lots 6, 12, 13, 14, 15 and 18 of Block L; all of Lots 1, 2 and 3 and a part of Lots 4, 5 and 30 in Block G; all of vacated Dawes Street for the southwesterly line of Pearl Avenue to the centerline of the C & NW Railroad track; all in Western Additon to Oshkosh, in the First Ward, City of Oshkosh, Winnebago County, Wisconsin containing 3.0417 acres of land and being described by: Commencing at the Northwesterly corner of Lot 1 of Block G in Western Addition and being the true point of beginning; running thence S.51°-20'-07"E. 150.34 feet, along the southwesterly line of Pearl Avenue to its intersection with the Northwest corner of Lot 1 of Certified Survey Map No. 1579; thence S.38°-56'-25"W. 120.80 feet, along the westerly line of Lot 1 of said Certified Survey Map No. 1579; thence S.38°-51'-01"W. 30.00 feet along the westerly line of said Certified survey Map No. 1579; thence S.51°-47'-29"E.30.00 feet; thence S.38°-51'-01"W. 85.51 feet, along the westerly line of Lot 1 of said Certified Survey Map No. 1579 to its southwesterly corner thereof; thence N.51°-43'-23"W. 457.33 feet, along the centerline of the C & NW Railroad track; thence Northwesterly 54.12 feet, along the arc of a curve to the left being the centerline of the C & NW Railroad track having a radius of 17.29.28 feet and the chord of which bears N.52°-37'-11"W. 54.12 feet; thence S.38°-48'-58"W. 3.12 feet; thence N.51°-32'-06"W. 152.37 feet, along the Northeasterly line of Warren Road to the Southeasterly corner of Lot 1 of Certified Survey Map No. 1584; thence N.38°-16'-26"E. 120.31 feet, along the easterly line of Lot 1 of Certified Survey Map No. 1584 to its Northeasterly corner thereof; thence S.51°-33'-59"E. 179.04 feet, along the Northerly line of Lots 18, 17, 16 and 15 of said Block L; thence N.38°-50'-26"E. 123.75 feet, along a line 5 feet westerly of the easterly line of Lot 6 of said Block L to a point on the southwesterly line of Pearl Avenue; thence S.51°-11'-59"E. 305.83 feet, along the southwesterly line of Pearl Avenue to the true point of beginning.

DESCRIPTION PARCEL NO. II

A part of Lots 12, 13, 14 and 15 of Block L; a part of Lots 4, 30, 29, 28, 27, 26, 25 and 24 of Block G; a part of Lots 1 and 2 of block E; a part of Lots 6 and 15 and all of Lots 7, 8, 9, 10, 11, 12, 13 and 14 of Block M; a portion of vacated Warren Road, vacated Dawes Street and vacated Hancock Street all in Western Addition to Oshkosh, in the First Ward, City of Oshkosh, Winnebago County, Wisconsin containing 4.786 acres of land and being described by: Commencing at the southeasterly corner of Lot 1 of Certified Survey Map No. 1584; thence S.51°-32'-06"E. 152.37 feet, along the northeasterly line of Warren Road to its intersection with the mid line of Lots 6 and 15 of said Block M extended northeasterly and being the true point of beginning; running thence N.38°-48'-58"E. 3.12 feet; thence southeasterly 54.12 feet, along the arc of a curve to the right being the centerline of the C & NW Railroad track having a radius of 1729.28 feet and the chord of which bears S.52°-37'-11"E. 54.12 feet; thence S.51°-43'-23"E. 787.51 feet, along the centerline of the C & NW Railroad track; thence S.39°-00'-09"W. 34.14 feet; thence N.51°-47'-37"W. 30.29 feet; thence S.38°-52'-22"W. 7.40 feet, along the south line of Lot 2 in said Block E to the southwesterly corner of said Lot 2; thence N.38°-49'-58"E. 149.70 feet, along the southeasterly line of Dawes Street to its intersection with the centerline of vacated Hancock Street; thence N.51°-57'-24"W. 106.27 feet, along the centerline of vacated Hancock Street; thence N.58°-47'-16"W. 75.66 feet; thence N.51°-57'-24"W. 150.00 feet; thence N.38°-48'-58"E. 343.52 feet, along the mid line of Lots 6 and 15 of Block M and its extension to the northeasterly line of Warren Road and being the true point of beginning.

ATTACHMENT 2
Parcel E
Legal Description

That part of vacated Dawes Street, Warren Road, Hancock Street and Blocks E, F and M of Western Addition, a platted subdivision, located in the Southeast ¼ of the Northeast ¼ of Section 23, Township 18 North, Range 16 East, City of Oshkosh, Winnebago County, Wisconsin, bounded and described as follows:

Commencing at the southeast corner of said Northeast ¼ Section; thence North 01°17'08" West, 233.67 feet along the east line of said Northeast ¼ Section to the centerline of Pearl Avenue as established from the centerline of the existing pavement between Dawes Street and Jackson Street; thence North 53°02'34" West, along said centerline, 617.70 feet; thence South 37°14'47" West, 50.19 feet to the southerly right of way line of the proposed Warren Road and a point of curve to the left; thence northwesterly, 86.60 feet along the arc of said curve, whose radius is 160.00 feet and whose chord bears North 71°20'18" West, 85.55 feet; thence North 86°50'42" West, 402.97 feet to the point of beginning;

Thence South 00°00'00" West, 294.07 feet to the northerly right of way line of the abandoned Wisconsin Central Railroad and the point of curve to the left; thence southwesterly, 248.61 feet along the arc of said curve, whose radius is 618.11 feet and whose chord bears South 64°59'54" West, 246.93 feet; thence North 53°47'54" West, 37.39 feet; thence North 36°58'17" East, 119.70 feet; thence North 53°42'04" West, 265.66 feet to the southeasterly right of way line of the proposed Marion Street; thence North 36°45'11" East, along said southeasterly right of way, 265.89 feet to the southwesterly right of way line of Warren Road; thence South 53°14'49" East along said southwesterly right of way, 42.24 feet to the point of curve to the left; thence southeasterly, 186.18 feet along the arc of said curve, whose radius is 317.50 feet and whose chord bears South 70°02'45" East, 183.62 feet; thence South 86°50'42" East along said southwesterly right of way line of Warren Road, 30.69 feet to the point of beginning

Above described parcel of land having an area of 110,705 square feet or 2.5414 acres.

Zoom Out<-------- **Map View Area Control** -------->Zoom In

11X 9X 7X 5X 3X •X-Factors• 2X 4X 6X 8X 10X

Select A Factor Then Click Map At Point Of Interest!

•Reset Viewer•

NOTE: Some Layers May Not Appear Until A Reasonable Scale Has Been Reached For Viewing!
Aerial Photos for 2000 are viewable when zoomed down to 1 Sq.Mi. or below.

SCALE: 0 190 380 ft *** Powered by MapServer ***

Legend

Road Centerline
Parcel Boundaries
Pool Lakes

City of Oshkos

Check Layer(s

- Aerial Phot
- Buildings
- Certified Su
- • CSM Lab
- Parcel B
- • PID. Num
- • Parcels D
- • Parcel Ad
- Railroads
- Rights-Of-\
- Street Nam

Solid Fill Layer

[Check One Layer At A
[Loss Due To Multiple-

- City and Vi
- Floodplain
- FEMA P
- Historic Dis
- Land-Use (
- Parks
- • Park Nam
- Redevelop
- Tax Increm

Financal Dist.

- Zoning C.C
- • Zoning Co

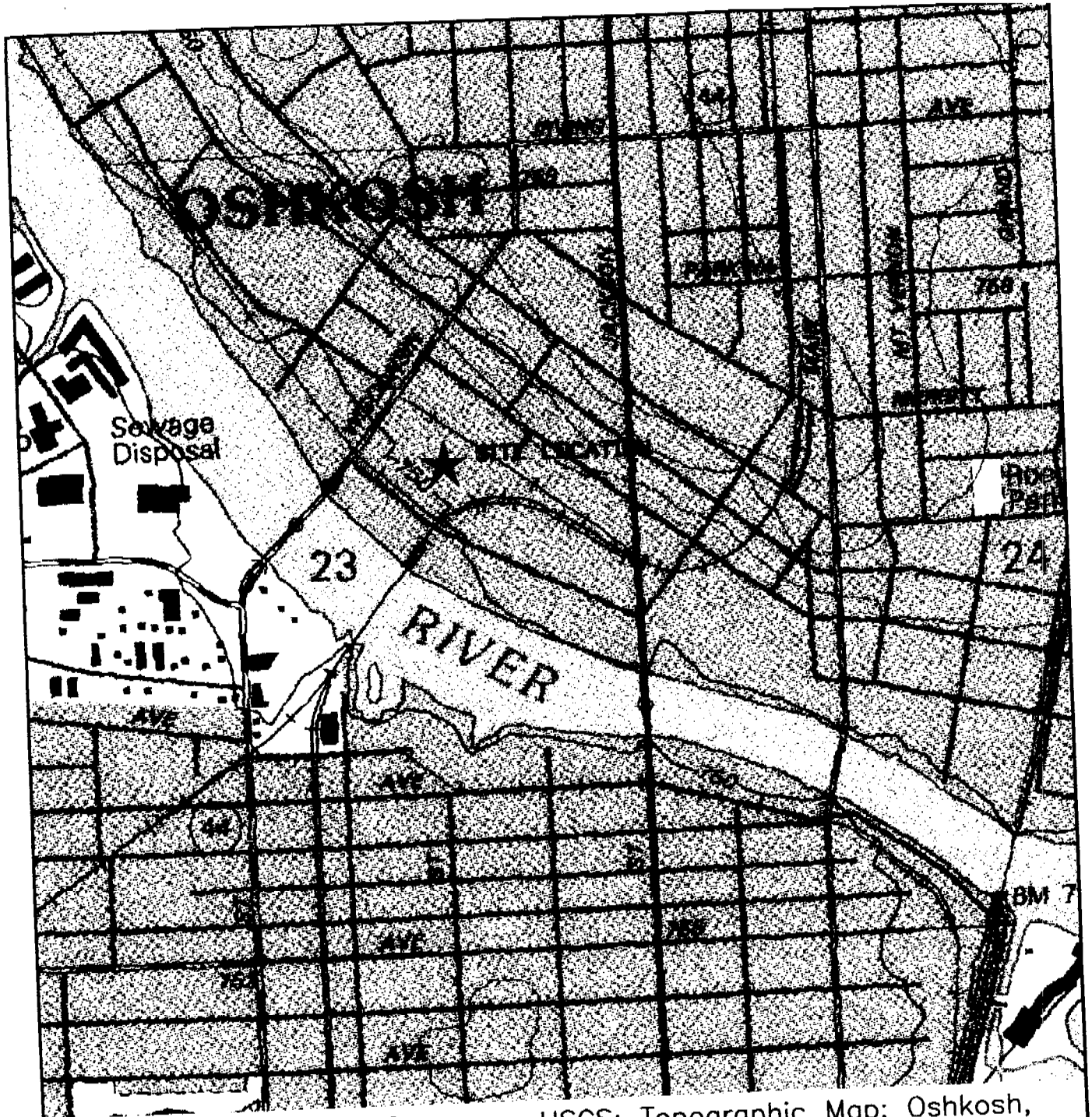
REDRAW

Map Query Op

[Check Box B
[Click Map At A Po

View Tabular I

Selected
Display Layer(s) P
( )



LEGEND

★ **SITE LOCATION**

Source – USGS; Topographic Map; Oshkosh, Wisconsin Quadrangle; 1992

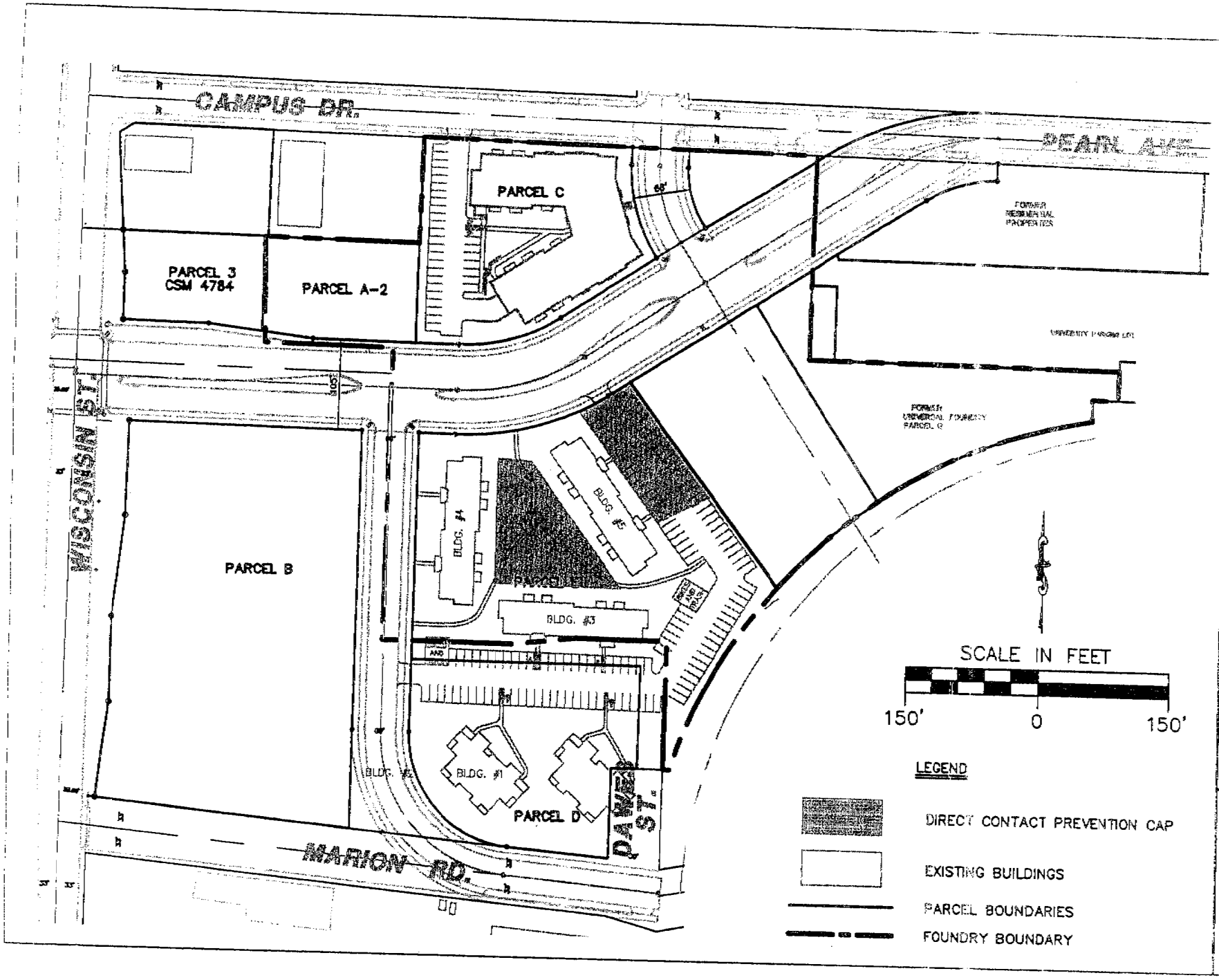
SCALE IN FEET

1,000 0 1,000

STS Consultants Ltd.
Consulting Engineers
2070 Omro Road
Oshkosh, WI 54904
920.236.0270

SITE LOCATION MAP
UNIVERSAL FOUNDRY
OSHKOSH, WISCONSIN

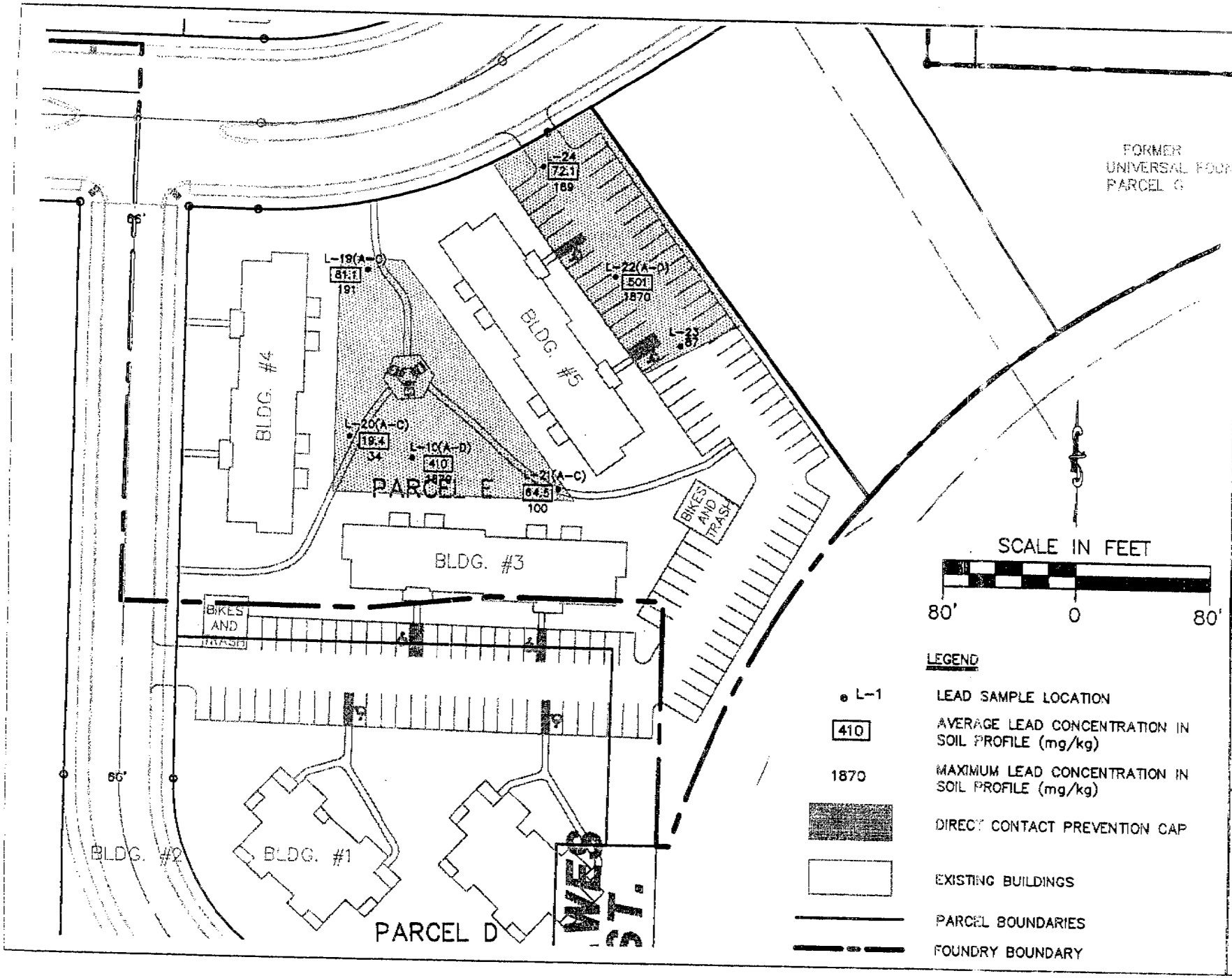
DESIGNED BY	AGM	2/28/02
DRAWN BY	AGM	2/28/02
APPROVED BY		
CADFILE	SCALE 1" = 1000'	
STS PROJECT NO. 27666XA	FIGURE NO. 1	



DESIGNED BY	CDH	4/05/03
DRAWN BY	AGM	4/05/03
APPROVED BY		
CADFILE	SCALE	1" = 150'
122/67980/Universal foundry.dwg	FIGURE NO.	1
STS PROJECT NO.		
27666XA		

SITE LOCATION DIAGRAM
FORMER UNIVERSAL FOUNDRY PROPERTY
OSHKOSH, WISCONSIN

STS Consultants Ltd.
Consulting Engineers
563 North Main Street
Oshkosh, WI 54901
920.235.0270



DESIGNED BY	CDH	4/05/03
DRAWN BY	AGM	4/05/03
APPROVED BY		
CADFILE 1224679000\lines\sof foundry.dwg	SCALE 1" = 80'	FIGURE NO. 2
STS PROJECT NO. 27666XA		

LEAD SAMPLING LOCATION DIAGRAM
UNIVERSAL FOUNDRY
OSHKOSH, WISCONSIN

STS Consultants Ltd.
Consulting Engineers
550 North Main Street
Oshkosh, WI 54901
920 235 0270

Table 2a
Soil Sample Analytical Results: Post-Remedial Action
Universal Foundry - Parcel C
STS Project Number 4-27666XA

Sample Number	1-C	2-C	3-C	4-C	5-C	6-C	7-C	NR 746 Table 1 Values[1]	NR 746 Table 2 Values[2]	NR 720 RCL[3]
Date	9/25/2002	9/25/2002	9/25/2002	9/25/2002	9/26/2002	9/26/2002	9/26/2002			
	Concentration (ug/kg)							Concentration (ug/kg)		
VOC										
Benzene	<25	<25	<25	<25	<25	<25	<25	8,500	1,100	5.5
Ethylbenzene	<25	<25	<25	<25	<25	<25	<25	4,600	NL	2,900
MTBE	<25	<25	<25	<25	<25	<25	<25	NL	NL	NL
Naphthalene	<25	<25	<25	<25	<25	<25	<25	2,700	NL	NL
Toluene	<25	<25	<25	<25	<25	<25	<25	38,000	NL	1,500
Total Trimethylbenzene	<50	<50	<50	<50	<50	<50	<50	94,000	NL	NL
Total Xylenes	<50	<50	<50	<50	<50	<50	<50	42,000	NL	4,100

Notes: NL = regulatory limit not established for analyte

[1]Wisconsin Administrative Code Chapter NR 746 Soil Screening Levels

[2]Wisconsin Administrative Code Chapter NR 746 Soil Contaminant Concentrations (top 4 feet of soil)

[3]RCL = Residual Contaminant Level (Groundwater Pathway for VOC; Non-industrial direct contact for metals)

150 = exceeds NR 720 limit

Table 2b
Soil Sample Analytical Results: Post-Remedial Action
Universal Foundry - Parcel F
STS Project Number 4-27666XA

Sample Number	1	2	3	4	F-5	F-6	F-7	F-8	F-9	F-10	F-11	F-12	F-13	F-14	F-15	F-16	F-17	F-18	F-19	F-20	F-21	F-22	F-23	NR 746 Table 1 Values[1]	NR 746 Table 2 Values[2]	NR 720 RCL[3]
Depth (Feet)	8.0	8.0	8.0	8.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	6.0	6.0	6.0	7.0	7.0	7.0	6.0	6.0	6.0	6.0	6.0	6.0			
Date	9/23/2002	9/24/2002	9/24/2002	9/24/2002	10/30/2002	10/30/2002	10/30/2002	10/30/2002	10/30/2002	11/7/2002	11/7/2002	11/7/2002	11/7/2002	11/7/2002	11/7/2002	11/7/2002	11/7/2002	1/30/2003	1/30/2003	1/30/2003	1/30/2003	1/30/2003	1/30/2003			
Sample Notes					Additional soil removed in these locations to address NR 720 exceedances; Samples F-18 thru F-21 collected following removal													Confirmatory samples collected following soil removal at F-5 thru F-11								
Metals	Concentration (mg/kg)																							Concentration (mg/kg)		
Lead	8.6	12	2.8	5.1	**200**	37	31	**98**	**150**	**66**	**91**	<8.8	<7.4	<8.1	<9.7	<6.5	10	9.6	**11**	12	9.3	11	9.2	NL	NL	50
VOC	Concentration (ug/kg)																							Concentration (ug/kg)		
Benzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8,500	1,100	5.5
Bromobenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Bromodichloromethane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
n-Butylbenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
sec-Butylbenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
tert-Butylbenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Carbon Tetrachloride	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Chlorobenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Chloroethane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Chloroform	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Chloromethane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
2-Chlorotoluene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
4-Chlorotoluene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
2,2-DCP	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
1,2-dibromo-3-chloropropane	<25	<25	<25	<50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Dibromochloromethane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
1,2-Dichlorobenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
1,3-Dichlorobenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
1,4-Dichlorobenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Dichlorodifluoromethane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
1,1-Dichloroethane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
1,2-Dichloroethane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	600	540	4.9
1,1-Dichloroethene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
cis 1,2-Dichloroethene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
trans 1,2-Dichloroethene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
1,2-Dichloropropane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
1,3-Dichloropropane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Di-isopropyl ether	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
EDB (1,2-Dibromoethane)	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Ethylbenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4,600	NL	2,900
Hexachlorobutadiene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Isopropylbenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
p-Isopropyltoluene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Methylene Chloride	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
MTBE	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Naphthalene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2,700	NL	NL
n-Propylbenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Tetrachloroethene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Toluene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38,000	NL	1,500
1,2,3-Trichlorobenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
1,2,4-Trichlorobenzene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
1,1,1-Trichloroethane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
1,1,2-Trichloroethane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Trichloroethene	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Trichlorofluoromethane	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Total Trimethylbenzene	<50	<50	<50	<50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	94,000	NL	NL
Vinyl Chloride	<25	<25	<25	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NL	NL	NL
Total Xylenes	<50	<50	<50	34Q	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42,000	NL	4,100

Notes: --- = analyte not analyzed
< = detected concentration below laboratory detection limit
NL = regulatory limit not established for analyte
[1]Wisconsin Administrative Code Chapter NR 746 Soil Screening Levels
[2]Wisconsin Administrative Code Chapter NR 746 Soil Contaminant Concentrations (top 4 feet of soil)
[3]RCL = Residual Contaminant Level (Groundwater Pathway for VOC; Non-industrial direct contact for metals)
Q = detected concnetration between limit of detection and limit of quantification
150 = exceeds NR 720 limit

Table 2c
Soil Sample Analytical Results: Post-Remedial Action
Universal Foundry - Parcel G
STS Project Number 4-27666XA

Sample Number	G-1	G-2	G-3	G-4	G-5	G-6	G-7	G-8	G-9	NR 746 Table 1 Values[1]	NR 746 Table 2 Values[2]	NR 720 RCL[3]
Depth (Feet)	10.0	10.0	12.0	10.0	10.0	6.0	6.0	7.0	10.0			
Date	10/24/02	10/24/02	10/24/02	10/24/02	10/24/02	10/30/02	10/30/02	10/30/02	10/30/02			
Metals	**Concentration (mg/kg)**									**Concentration (mg/kg)**		
Lead	---	---	---	---	---	3.6	4.5	4.9	3.9	NL	NL	50
VOC	**Concentration (ug/kg)**									**Concentration (ug/kg)**		
Benzene	<25	<25	<25	<25	<25	---	---	---	---	8,500	1,100	5.5
Bromobenzene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Bromodichloromethane	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
n-Butylbenzene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
sec-Butylbenzene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
tert-Butylbenzene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Carbon Tetrachloride	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Chlorobenzene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Chloroethane	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Chloroform	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Chloromethane	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
2-Chlorotoluene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
4-Chlorotoluene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
2,2-DCP	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
1,2-dibromo-3-chloropropane	<50	<50	<50	<50	<50	---	---	---	---	NL	NL	NL
Dibromochloromethane	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
1,2-Dichlorobenzene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
1,3-Dichlorobenzene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
1,4-Dichlorobenzene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Dichlorodifluoromethane	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
1,1-Dichloroethane	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
1,2-Dichloroethane	<25	<25	<25	<25	<25	---	---	---	---	600	540	4.9
1,1-Dichloroethene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
cis 1,2-Dichloroethene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
trans 1,2-Dichloroethene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
1,2-Dichloropropane	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
1,3-Dichloropropane	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Di-isopropyl ether	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
EDB (1,2-Dibromoethane)	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Ethylbenzene	<25	<25	<25	<25	<25	---	---	---	---	4,600	NL	2,900
Hexachlorobutadiene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Isopropylbenzene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
p-Isopropyltoluene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Methylene Chloride	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
MTBE	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Naphthalene	<25	<25	<25	<25	<25	---	---	---	---	2,700	NL	NL
n-Propylbenzene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Tetrachloroethene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Toluene	<25	<25	<25	<25	<25	---	---	---	---	38,000	NL	1,500
1,2,3-Trichlorobenzene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
1,2,4-Trichlorobenzene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Trichloroethene	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Trichlorofluoromethane	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Total Trimethylbenzene	<50	<50	<50	<50	<50	---	---	---	---	94,000	NL	NL
Vinyl Chloride	<25	<25	<25	<25	<25	---	---	---	---	NL	NL	NL
Total Xylenes	<50	<50	<50	<50	<50	---	---	---	---	42,000	NL	4,100

Notes: --- = analyte not analyzed; < = detected concentration below laboratory detection limit

Q = detected concnetration between limit of detection and limit of quantification; NL = regulatory limit not established for analyte

[1]Wisconsin Administrative Code (WAC) Chapter NR 746 Soil Screening Levels

150 = exceeds NR 720 limit

[2]WAC Chapter NR 746 Soil Contaminant Concentrations (top 4 feet of soil)

[3]RCL = Residual Contaminant Level (Groundwater Pathway for VOC; Non-industrial direct contact for metals)

Table 3
Field Data
Universal Foundy
STS Project Number 4-27666XA

Monitoring Well	Date Sampled	TPVC Elev. * (feet)	Water Level TPVC (feet)	Water Elevation* (feet)	pH	Conductivity (umhos/cm)	Temperature (Celsius)	Color	Odor	Purge Water (gallons)
MW-101R	3/27/2002	752.83	6.98	745.85	6.98	1125	50.0	Turbid	Organic	8.0
	6/5/2002		6.27	746.56	7.35	1200	58.0	Reddish Brown	None	8.5
	7/25/2002		6.98	745.85	--	--	--	--	--	--
MW-102	3/27/2003	752.80	5.45	747.35	7.41	896	51.0	Turbid	Organic	10.0
	6/5/2002		4.83	747.97	7.01	925	58.0	Brown	None	5.0
	7/25/2003		6.05	746.75	--	--	--	--	--	--
MW-103	3/27/2003	752.14	4.65	747.49	7.32	1100	52.0	Turbid	Organic	10.0
	6/5/2002		4.00	748.14	7.21	1101	60.0	Brown	None	10.0
	7/25/2003		5.04	747.10	--	--	--	--	--	--
MW-104	3/27/2003	753.31	5.45	747.86	7.52	1050	50.0	Turbid	Organic	14.0
	6/5/2002		4.71	748.60	6.98	820	59.0	Brown	Slight	4.0
	7/25/2003		6.58	746.73	--	--	--	--	--	--
MW-105	3/27/2003	752.02	6.38	745.64	7.82	1015	52.0	Clear	None	8.0
	6/5/2002		5.35	746.67	6.85	1006	58.0	Brown	Slight	5.0
	7/25/2003		6.31	745.71	--	--	--	--	--	--
MW-106R	3/27/2003	753.98	7.56	746.42	7.15	982	51.0	Clear	Organic	8.0
	6/5/2002		7.17	746.81	7.17	1215	61.0	Clear	None	10.0
	7/25/2003		8.14	745.84	--	--	--	--	--	--

* Elevation referenced to arbitrary elevation of +100.00'

TPVC = top of PVC casing

Table 4
Water Analytical Results
Universal Foundry
Oshkosh, Wisconsin
STS Project No. 4-27666XA

Well Location	ES	PAL	MW-101	MW-101R		MW-102					MW-103					MW-104					
Date Sampled	ug/L	ug/L	5/1/2000	3/27/2002	6/6/2002	5/1/2000	3/5/2001	5/15/2001	3/27/2002	6/6/2002	5/1/2000	3/5/2001	5/15/2001	3/27/2002	6/6/2002	5/17/2000	11/10/2000	3/5/2001	5/15/2001	3/27/2002	6/6/2002
Parameter																					
VOC (ug/L)																					
Benzene	5.0	0.5	<.19	<0.8	<0.08	<0.19	<0.21	<0.21	<0.8	<0.08	<0.19	<0.21	<0.21	<0.08	<0.08	<0.19	<0.5	2.0	<0.21	<0.8	<0.08
n-Butylbenzene	NR	NR	<0.18	<0.11	<.11	<0.18	NA	NA	<0.11	<0.11	<0.18	NA	NA	<0.11	<0.11	<0.18	NA	NA	NA	<0.11	<0.11
sec-Butylbenzene	NR	NR	<0.15	<0.1	<0.1	<0.15	NA	NA	0.10	<0.1	<0.15	NA	NA	<0.1	<0.1	0.16	NA	NA	NA	<0.1	<0.1
Chloromethane	400	80	<0.28	<0.4	<0.6	<0.28	NA	NA	<0.4	<0.6	<0.28	NA	NA	2.7	<0.4	<0.28	NA	NA	NA	<0.4	<0.4
1,1-Dichloroethane	850	85	<0.098	1.4	1.3	0.40	NA	NA	0.31	0.38	<0.098	NA	NA	<0.15	0.21	1.20	NA	NA	NA	1.4	2.1
cis-1,2-Dichloroethene	70	7.0	<0.19	<0.11	<0.11	<0.19	NA	NA	<0.11	<0.11	<0.19	NA	NA	<0.11	<0.11	<0.19	NA	NA	NA	0.6	<0.11
1,1,1-Trichloroethane	200	40	<0.13	<0.14	0.24	<0.13	NA	NA	<0.14	<0.14	<0.13	NA	NA	<0.14	<0.14	2.70	NA	NA	NA	1.6	5.7
Ethylbenzene	700	140	0.14	<0.08	<0.08	<0.13	<0.23	<0.23	<0.08	<0.08	<0.13	<0.23	<0.23	<0.08	<0.08	<0.13	<0.6	0.44	<0.23	<0.08	<0.08
Isopropylbenzene	NR	NR	<0.12	<0.07	<0.07	<0.12	NA	NA	<0.07	<0.07	<0.12	NA	NA	<0.07	<0.07	<0.12	NA	NA	NA	<0.07	<0.07
Methyl-tertiary-butyl ether	60	12	<0.2	<0.07	<0.07	<0.2	<0.091	<0.091	<0.07	<0.07	<0.2	<0.091	<0.091	<0.07	<0.07	<0.2	<0.92	19	<0.091	<0.07	<0.07
Naphthalene	40	8.0	0.09	<0.1	<0.1	<0.082	<0.40	<0.40	<0.1	<0.1	<0.082	<0.40	<0.40	<0.1	<0.1	0.11	<2.8	0.74	<0.40	<0.1	<0.1
n-Propylbenzene	NR	NR	<0.12	<0.15	<0.15	<0.12	NA	NA	<0.15	<0.15	<0.12	NA	NA	<0.15	<0.15	<0.12	NA	NA	NA	<0.15	<0.15
p-Isopropyltoluene	NR	NR	<0.13	<0.12	<0.12	<0.13	NA	NA	0.18	<0.12	0.45	NA	NA	<0.12	<0.12	0.17	NA	NA	NA	<0.12	<0.12
Toluene	1000	200	<0.11	<0.08	<0.08	<0.11	<0.22	<0.22	<0.08	<0.08	<0.11	<0.22	<0.22	<0.08	<0.08	1.10	<0.6	0.28	<0.22	<0.08	<0.08
Tetrachloroethylene	5.0	0.5	<0.14	<0.15	<0.15	<0.14	NA	NA	<0.15	<0.15	<0.14	NA	NA	<0.15	<0.15	1.10	NA	NA	NA	<0.15	0.94
Trichloroethene	5.0	0.5	<0.097	<0.13	<0.13	<0.097	NA	NA	<0.13	<0.13	<0.097	NA	NA	<0.13	<0.13	<0.097	NA	NA	NA	<0.13	0.66
Total Trimethylbenzenes	480	96	0.59	<0.19	<0.19	<0.23	<0.44	<0.44	<0.19	<0.19	<0.23	<0.44	<0.44	<0.19	<0.19	0.32	<2.6	0.47	<0.44	<0.19	<0.19
Total Xylene	10000	1000	<0.3	<0.34	<0.34	<0.3	<0.44	<0.44	<0.34	<0.34	<0.3	<0.44	<0.44	<0.34	<0.34	<0.3	<1.7	0.88	<0.44	<0.34	<0.34
Lead	15	1.5	NA	<1.0	<0.66	NA	NA	NA	<1	<0.66	NA	NA	NA	<1	<0.66	NA	NA	NA	NA	<1	<0.66

Well Location	ES	PAL	MW-105					MW-106			MW-106R	
Date Sampled	ug/L	ug/L	11/10/2000	3/5/2001	5/15/2001	3/27/2002	6/6/2002	11/10/2000	3/5/2001	5/15/2001	3/27/2002	6/6/2002
Parameter												
VOC (ug/L)												
Benzene	5.0	0.5	7.9	2.3	3.0	<0.8	<0.08	<0.5	0.30	<0.21	<0.08	<0.08
n-Butylbenzene	NR	NR	NA	NA	NA	0.35	0.66	NA	NA	NA	<0.11	<0.11
sec-Butylbenzene	NR	NR	NA	NA	NA	0.34	0.63	NA	NA	NA	<0.1	<0.1
Chloromethane	400	80	NA	NA	NA	<0.4	<0.6	NA	NA	NA	<0.4	<0.6
1,1-Dichloroethane	850	85	NA	NA	NA	<0.15	<0.15	NA	NA	NA	<0.15	<0.15
cis-1,2-Dichloroethene	70	7.0	NA	NA	NA	<0.11	<0.11	NA	NA	NA	<0.11	<0.11
1,1,1-Trichloroethane	200	40	NA	NA	NA	<0.14	<0.14	NA	NA	NA	<0.14	<0.14
Ethylbenzene	700	140	0.99	0.56	<0.23	<0.08	<0.08	<0.6	<0.23	<0.23	<0.08	<0.08
Isopropylbenzene	NR	NR	NA	NA	NA	0.21	0.30	NA	NA	NA	<0.7	<0.07
Methyl-tertiary-butyl ether	60	12	36	19	12	0.67	4.70	<0.92	<0.091	<0.091	<0.7	<0.07
Naphthalene	40	8.0	17	8.8	1.2	0.22	0.70	<2.8	<0.4	<0.40	<0.1	<0.1
n-Propylbenzene	NR	NR	NA	NA	NA	<0.15	0.89	NA	NA	NA	<0.15	<0.15
p-Isopropyltoluene	NR	NR	NA	NA	NA	<0.12	<0.12	NA	NA	NA	<0.12	<0.12
Toluene	1000	200	0.9	0.3	0.4	<0.08	<0.8	0.91	<0.22	<0.22	<0.08	<0.08
Tetrachloroethylene	5.0	0.5	NA	NA	NA	<0.15	<0.15	NA	NA	NA	<0.15	<0.15
Trichloroethene	5.0	0.5	NA	NA	NA	<0.13	<0.13	NA	NA	NA	<0.13	<0.13
Total Trimethylbenzenes	480	96	171	0.5	3.0	<0.19	<0.19	<2.6	<0.44	<0.44	<0.19	<0.19
Total Xylene	10000	1000	4.5	1.1	1.0	<0.34	<0.34	<1.7	<0.44	<0.44	<0.34	<0.34
Lead	15	1.5	NA	NA	NA	4.9	0.78	NA	NA	NA	<1	<0.66

Notes:
Compound detected above the Method Detection Limits are summarized
April 2001), Preventive Action Limits(PAL) and Enforcement Standard(ES)
Analyzed
Related
Detected