

# GIS REGISTRY

## Cover Sheet

August 2011  
(RR-5367)

### Source Property Information

**BRRTS #:**

**ACTIVITY NAME:**

**PROPERTY ADDRESS:**

**MUNICIPALITY:**

**PARCEL ID #:**

**CLOSURE DATE:**

**FID #:**

**DATCP #:**

**PECFA#:**

#### \*WTM COORDINATES:

X:  Y:

*\* 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" form)*

Soil Contamination > \*RCL or \*\*SSRCL (232)

- Contamination in ROW
- Off-Source Contamination

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

#### 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)

- Cover or Barrier (222)  
*(note: maintenance plan for  
groundwater or direct contact)*
- Vapor Mitigation (226)
- Maintain Liability Exemption (230)  
*(note: local government unit or economic  
development corporation was directed to  
take a response action)*

#### Monitoring Wells:

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

- Yes  No  N/A

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

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 #:  (No Dashes) PARCEL ID #:   
ACTIVITY NAME:  WTM COORDINATES: X:  Y:

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

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- Conditional Closure Letter**
- Certificate of Completion (COC)** (for VPLE sites)

**SOURCE LEGAL DOCUMENTS**

- 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 11 x 17 inches unless the map is submitted electronically.

- 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**
- 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 #: 2**                      **Title: Site Plan**
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour 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 #: 3**                      **Title: Areal Extent of Soil Contamination**

BRRTS #: 02-05-244863

ACTIVITY NAME: HALRON OIL CO INC - CHLORINATED/PETROLEUM

**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 #: 4**                      **Title: Geological Cross Section A-A'**

**Figure #: 5**                      **Title: Geological Cross Section A-AA'**

- 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 #: 6**                      **Title: Areal Extent of Groundwater Contamination**

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

**Figure #: 7**                      **Title: Groundwater Elevations And Flow Direction**

**Figure #:**                      **Title:**

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

Tables must be no larger than 11 x 17 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 #: 4,5**                      **Title: Soil Analytical Results**

- 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 #: 1,2**                      **Title: Groundwater Analytical Results, Groundwater Analytical Results (PAH)**

- 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: Groundwater Measurements And Elevations**

**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 #: 02-05-244863

ACTIVITY NAME: HALRON OIL CO INC - CHLORINATED/PETROLEUM

## NOTIFICATIONS

### Source Property

**Not Applicable**

**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.

**Not Applicable**

**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.

**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:**

**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:



February 23, 2012

Mr. Mike Halron  
Halron Brothers, LLP  
1618 State Street  
Green Bay, WI 54304

**KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS**

SUBJECT: Final Case Closure with Continuing Obligations  
Halron Oil Co Inc – Chlorinated/Petroleum, 1618 State St., Green Bay, Wisconsin  
WDNR BRRTS Activity # 02-05-244863

Dear Mr. Halron:

The Department of Natural Resources (DNR) considers the Halron Oil Co Inc – Chlorinated/Petroleum site closed with continuing obligations. No further investigation or remediation is required at this time. However, you and future property owners must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attached maintenance plan to anyone who purchases this property from you.

This final closure decision is based on the correspondence and data provided, and is issued under ch. NR 726, Wisconsin Administrative Code. The Northeast Region (NER) Closure Committee reviewed the request for closure on January 25, 2012. The Closure Committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. A conditional closure letter was issued by the DNR on January 25, 2012, and documentation that the conditions in that letter were met was received on February 17, 2012.

The property is currently utilized for sales of lubricants and collection of waste petroleum products. Soil and groundwater contamination (petroleum as well as chlorinated solvents) related to previous operations of underground storage tanks remain on the property. Remedial action included hand bailing of free product and long term groundwater monitoring. The conditions of closure and continuing obligations required were based on the property being used for commercial purposes.

Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

- Groundwater contamination is 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.
- The existing building foot print must be maintained over contaminated soil and the DNR must approve any changes to this barrier.

### GIS Registry

This site will be listed on the Remediation and Redevelopment Program's internet accessible Geographic Information System (GIS) Registry, to provide notice of residual contamination and of any continuing obligations. DNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed below for the GIS Registry.

All site information is also on file at the Northeast Regional DNR office, at 2984 Shawano Avenue, Green Bay, WI 54313. This letter and information that was submitted with your closure request application, including the maintenance plan, will be included on the GIS Registry in a PDF attachment. To review the site on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

### Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where the building foot print is required to be maintained, as outlined in the **attached cap maintenance map**, unless prior written approval has been obtained from the DNR:

- removal of the existing barrier;
- replacement with another barrier;
- excavating or grading of the land surface;
- filling on covered or paved areas;
- plowing for agricultural cultivation;
- construction or placement of a building or other structure;
- changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings;

### Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter and the attached maintenance plan are met. If these requirements are not followed, the DNR may take enforcement action under s. 292.11, Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property.

### Residual Groundwater Contamination (ch. NR 140, 812, Wis. Adm. Code)

Groundwater contamination greater than enforcement standards is present on this contaminated property, as shown in the **attached cap maintenance plan**. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

### Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)

Soil contamination remains on the property as indicated in the **attached cap maintenance plan**. If contaminated soil is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that

contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Cover or Barrier (s. 292.12 (2) (a), Wis. Stats.)

The building that currently exists on the property shall be maintained in compliance with the **attached cap maintenance plan** in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if use of the property were to change such that a residential exposure would apply. This may include, but is not limited to single or multiple family residences, a school, day care, senior center, hospital or similar settings. Before using the property for such purposes, you must notify the DNR to determine if additional response actions are warranted.

A request may be made to modify or replace a cover or barrier. The replacement or modified cover or barrier must be protective of the revised use of the property, and must be approved in writing by the DNR prior to implementation.

The **attached cap maintenance plan and inspection log** are to be kept up-to-date and on-site. Submit the inspection log to the DNR only upon request.

Future Vapor Intrusion Concerns

Depending on site-specific conditions, construction over contaminated materials may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Dewatering Permits

The DNR's Watershed Management Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

Based on the concentrations of contaminants remaining in groundwater at this location, it appears likely that dewatering activities would require a permit from the Watershed Management Program. If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://www.dnr.state.wi.us/org/water/wm/ww/>.

### Chapter NR 140, Wis. Adm. Code Exemption

Recent groundwater monitoring data at this site indicates that for tetrachloroethylene at monitoring points GP3A, GP5, GP9, GP11, GP12 and MW1 and cis-1,2-dichloroethylene at monitoring point GP13, GP14 and MW2, contaminant levels exceed the NR 140 preventive action limit (PAL) but are below the enforcement standard (ES). The DNR may grant an exemption to a PAL for a substance of public health concern, other than nitrate, pursuant to s. NR 140.28 (2) (b), Wis. Adm. Code, if all of the following criteria are met:

1. The measured or anticipated increase in the concentration of the substance will be minimized to the extent technically and economically feasible.
2. Compliance with the PAL is either not technically or economically feasible.
3. The enforcement standard for the substance will not be attained or exceeded at the point of standards application. [Note: at this site the point of standards application is all points where groundwater is monitored.]
4. Any existing or projected increase in the concentration of the substance above the background concentration does not present a threat to public health or welfare.

Based on the information you provided, the DNR believes that these criteria have been or will be met. The available groundwater monitoring has indicated stable or receding contaminant trends for tetrachloroethylene and cis-1,2-dichloroethylene. Ongoing cap maintenance will continue to minimize any additional contaminant leaching to groundwater. Therefore, pursuant to s. NR 140.28, Wis. Adm. Code, an exemption to the PAL is granted for tetrachloroethylene at monitoring points GP3A, GP5, GP9, GP11, GP12 and MW1 and cis-1,2-dichloroethylene at monitoring point GP13, GP14 and MW2. Please keep this letter, because it serves as your exemption.

### PECFA Reimbursement

Section 101.143, Wis. Stats., requires that Petroleum Environmental Cleanup Fund Award (PECFA) claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement. If there is equipment purchased with PECFA funds remaining at the site, contact the Department of Safety and Professional Services PECFA Program to determine the method for salvaging the equipment.

The following DNR fact sheet, "Continuing Obligations for Environmental Protection", RR-819, was included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/org/aw/rr/archives/pubs/RR819.pdf>.

Please send written notifications in accordance with the above requirements to the DNR office in Green Bay to the attention of Keld Lauridsen

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Keld Lauridsen at (920) 662-5420.

Sincerely,



Bruce G. Urben, Team Supervisor  
Northeast Region Remediation & Redevelopment Program

Attachments:

- Cap Maintenance Plan
- Publication # RR 819

cc: John Maas, JMM Consulting, LLC (ecopy - mmaincgb@aol.com)  
Bill Phelps, DG/5 (ecopy)  
Tom Verstegen, DSPS (ecopy)

**ATTACHMENT "M"**

**JMM CONSULTING, LLC**

**CONSULTING ENGINEERS**

840 CHALLENGER DRIVE – SUITE 140  
GREEN BAY, WI 54311  
PHONE: ( 920) 592-9606  
FAX: ( 920) 592-9613

**BUILDING BARRIER MAINTENANCE PLAN**

**November 30, 2011**

**Subject Site:**

**Former Halron Oil Company – Clairmont Transfer Storage System  
1618 State Street  
Green Bay WI 54304  
ERRP Case No. 02-05-244863  
PECFA Case No. 54304-3593-18C**

**Tax Parcel ID Numbers: 1-1385**

**Introduction**

This document shall serve as the Maintenance Plan for the building barrier which serves as the engineered barrier at the above-referenced property to comply with the requirements of NR 724.13(2), Wisconsin Administrative Code. The subject site has been placed on the WDNR GIS Registry for residual soil and groundwater contamination.

The contaminated soil plume under the concrete slab inside the service garage at the subject site is impacted by DRO, GRO, ethylbenzene, total xylenes and naphthalene in excess of NR720 standards.

The groundwater plume at the subject site is impacted by benzene, ethylbenzene, xylenes and naphthalene, MTBE, trimethylbenzenes, PCE, cis-1,2-DCE and various PAHs in excess of NR140 standards.

The location of the building barrier to be maintained in accordance with this Maintenance Plan, as well as the impacted groundwater and soil plume are identified in the attached map (Exhibit A).

**Building Barrier Purpose**

The building barrier over the contaminated soil and groundwater plume serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. In addition, the barrier will also act as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in NR 140, Wisconsin Administrative Code. Based on the current and future use of the property,

the barrier should function as intended unless disturbed. The WDNR must be contacted prior to disturbing the building barrier. There are no plans to remove the building at this time. If the building is removed it must be replaced with another impervious barrier.

### **Annual Inspection**

The building barrier overlying the contaminated soil and groundwater plumes, as depicted in Exhibit A, will be inspected once a year to ensure that it remains at the site and serves as an effective barrier cover the contaminated soil and groundwater.

### **Maintenance Activities**

The property owner, in order to maintain the integrity of the building, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

### **Amendment or Withdrawal of Maintenance Plan**

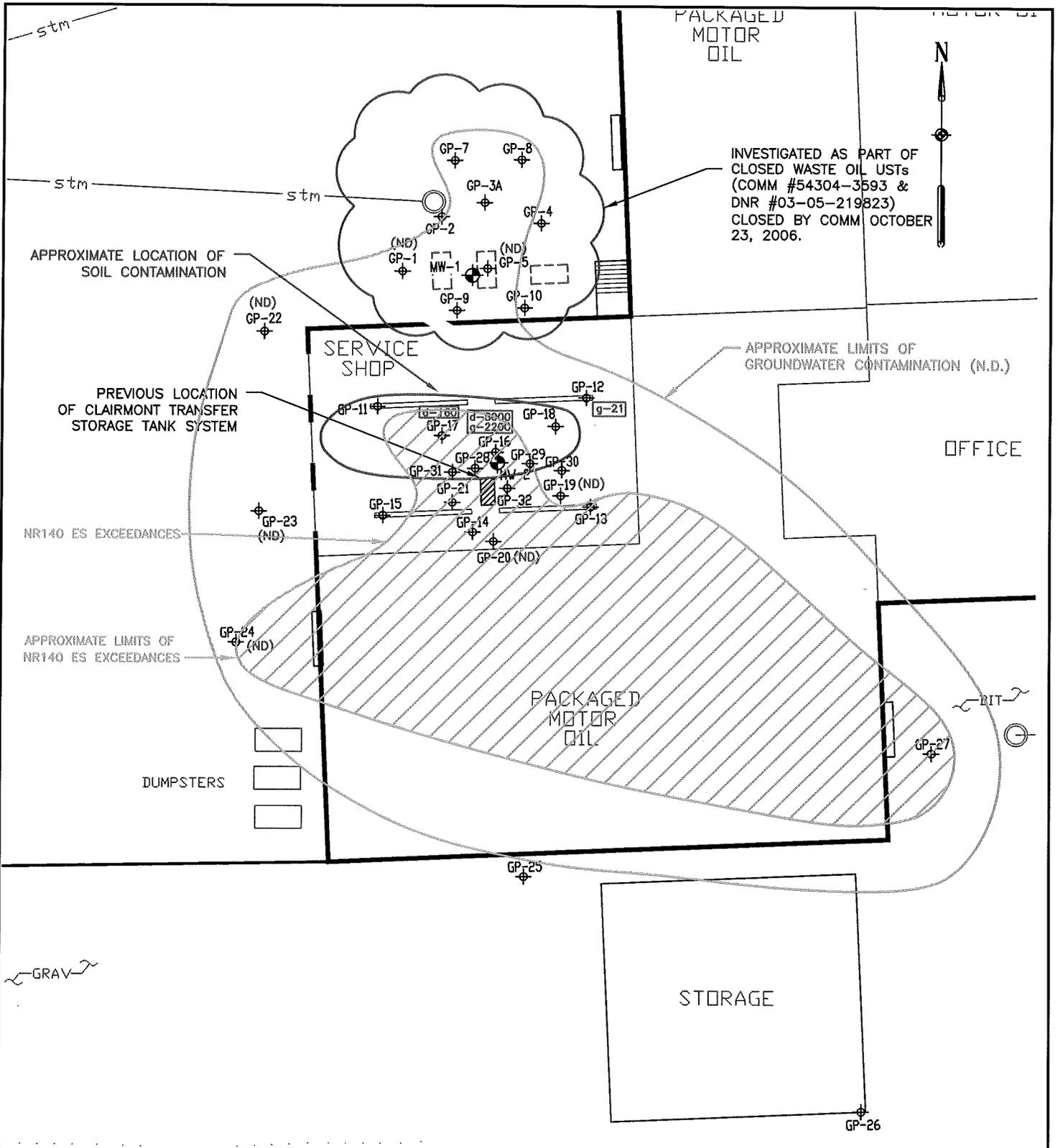
This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of WDNR.

### **Contact Information:**

Mr. Mike Halron, Partner  
Halron Brothers, LLP  
1618 State Street  
Green Bay, WI 54304  
(920) 406-4000

### **Consultant Contact Information:**

JMM CONSULTING, LLC  
840 Challenger Drive – Suite 140  
Green Bay, WI 54311  
(920) 592-9606



**EXHIBIT "A"**

**HALRON OIL CO., INC.**  
 1618 STATE STREET  
 GREEN BAY, WI

**MMA, INC.**  
 CONSULTING ENGINEERS

840 Challenger Drive - Suite 140  
 Green Bay, WI 54311-8351  
 Phone: 920/592-9808 Fax: 920/592-9813

SCALE: 1" = 30'

DRAWN BY: SMM

FIGURE NUMBER:

DATE: 11/30/11

REVIEWED BY: JMM

**1**





January 25, 2012

Mr. Mike Halron  
Halron Brothers, LLP  
1618 State Street  
Green Bay, WI 54304

Subject: Conditional Closure Decision with Requirements to Achieve Final Closure  
Halron Oil Co Inc – chlorinated/petroleum, 1618 State St., Green Bay, Wisconsin  
WDNR BRRTS Activity # 02-05-244863

Dear Mr. Halron:

On January 25, 2012, the Northeast Region Closure Committee reviewed your request for closure of the case described above. The Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the petroleum and chlorinated solvent contamination identified at the site in the vicinity of the former locations of underground storage tank systems appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

The monitoring wells at the site must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-005, found at <http://dnr.wi.gov/org/water/dwg/gw/> or provided by the Department of Natural Resources.

Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Once that work is completed, please send appropriate documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, and your case will be closed.

Your site will be listed on the DNR's Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (920) 662-5420.

Sincerely,

A handwritten signature in cursive script, appearing to read "Keld Lauridsen". The signature is written in black ink and is positioned above a horizontal line that extends to the right.

Keld Lauridsen  
Hydrogeologist  
Remediation & Redevelopment Program

cc: John Maas, JMM Consulting, LLC (ecopy - mmaincgb@aol.com)



1597058

Document Number

QUIT CLAIM DEED

BROWN COUNTY REGISTER OF DEEDS CATHY WILLIQUETTE

1998 FEB 26 P 3 35

Donald L. Halron and Gerald L. Halron, co-partners d/b/a Halron Brothers s/k/a Halron Bros., a Wisconsin general partnership consisting of Donald L. Halron and Gerald L. Halron quit-claims to Halron Brothers LLP, a Wisconsin limited liability partnership

the following described real estate in Brown County,

State of Wisconsin:

Recording Area

Name and Return Address

Jeffrey F. Jaekels, Esq. P. O. Box 22250 Green Bay, WI 54305-2250

See Attached

(Parcel Identification Number)

See Attached

FEE \$ 77.25 (153) EXEMPT

This is not homestead property.

Dated this 31st day of December, 1997.

(SEAL) Donald L. Halron (SEAL)

\* Donald L. Halron, Partner

(SEAL) Gerald L. Halron (SEAL)

\* Gerald L. Halron, Partner

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s)

STATE OF WISCONSIN

Brown County

Personally came before me this 31st day of December, 1997 the above named

authenticated this day of

Donald L. Halron and Gerald L. Halron

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Atty. J. F. Jaekels Green Bay, WI

to me known to be the person who executed the foregoing instrument and acknowledge the same

Jeffrey F. Jaekels Notary Public Brown County, Wis. My Commission is permanent. (If not, state expiration date:)

(Signatures may be authenticated or acknowledged. Both are not necessary.)

LEGAL DESCRIPTIONS

Parcel 1

Part of Private Claim 11, West Side of Fox River, City of Green Bay, Brown County, Wisconsin, described as follows:

Commencing where the North line of Private Claim 11 intersects the East line of South Broadway, thence S 26°-00' W 415.00 feet along the East line of South Broadway to the point of beginning, thence S 64°-39'-52" E 322.42 feet to the West line of State Street, thence S 22°-51'-30" W 200.00 feet along the West line of State Street, thence N 64°-15'-30" W 226.86 feet along the South line of Private Claim 11, thence Northwesterly 116.43 feet along the North line of the Right-of-Way of the C & NW Railway Company on a curve to the right having a radius of 2000 feet more or less and a chord of N 40°-11' W 116.42 feet, thence N 26°-00' E 150.00 feet along the East line of South Broadway to the point of beginning.

Tax Identification No.: 1-1385-A

1618 State Street

Parcel 2

Part of Private Claim 11, West Side of Fox River, City of Green Bay, Brown County, Wisconsin, described as follows:

Commencing where the North line of Private Claim 11 intersects the East line of South Broadway, thence S 26°-00' W 174.50 feet along the East line of South Broadway to the point of beginning, thence S 64°-12' E 309.35 feet to the West line of State Street, thence S 22°-51'-30" W 238.20 feet along the West line of State Street, thence N 64°-39'-52" W 322.42 feet to the East line of South Broadway, thence N 26°-00' E 240.50 feet to the point of beginning.

Tax Identification No.: 1-1385

1518-1610 State Street

Parcel 3

Part of Lot 109 of the Fort Howard Military Reserve in the Village of Howard, Brown County, Wisconsin more fully described as follows:

Beginning at a point being S63°22'30"E, 13.00 feet from the northwest corner of Lot 109 and the southwest corner of Lot 108 of the Fort Howard Military Reserve, said point being on a meander line of Beaver Dam Creek; thence S63°22'30"E, 326.65 feet along the north line of said Lot 109 and the northerly line of Volume 1063 of Deeds, Page 168, Brown County Records to a point on the westerly right of way of U.S.H. "41"; thence S21°13'07"W, 314.40 feet along said right of way; thence S74°16'52"W, 227.09 feet along said right of way to a point on the northerly right of way of Shawano Avenue; thence N68°22'00"W, 269.99 feet along said right of way to a point on a meander line being S68°22'00"E, 16.35 feet from the center of Beaver Dam Creek; thence

**1597058**

**N35°58'07"E, 496.04 feet along said meander line to the point of beginning. Including all lands between said meander line and the center of Beaver Dam Creek. Excepting any lands previously conveyed for road purposes. Parcel contains 186,874 square feet/4.30 acres more or less. This being same property described in Parcels "A" and "B", Volume 1063, Page 168, Brown County Records.**

**Tax Identification No.: VH-621**

**2050 Shawano Avenue**

**Parcel 4**

**That part of Private Claim Eleven (11), West Side of Fox River, described as follows:**

**Commencing at the Southwest Corner of an acre tract marked by an iron monument, thence N 64 degrees W var. 2 deg. 25 min. E 126.29 ft. to a point marked by an iron monument; thence N 25 deg. 51 Min. E var. 2 deg., 4 min. E 278.0 ft. to a point in the Southwest line of the right of way of the C & NW Ry. Co. (Manitowoc Line), marked by a like legal iron monument; thence following said line curving to the left over a line 5.17 deg. 6 min. 51 sec. W 186.2 ft. to Northwest corner of the one acre tract which is marked by an iron monument; thence along West line to point of beginning, containing one acre, being the tract conveyed by a certain deed recorded in Vol. 147 Deeds, page 350 Brown County Records.**

**Tax Identification No.: 1-1399**

**510 Liberty Street**



Map of Brown County, Wisconsin provided by the Planning & Land Services Department - Land Information Office (LIO)  
This map is intended for advisory purposes only. It is based on sources believed to be reliable, but Brown County distributes this information on an "As Is" basis. No warranties are implied.

**JMM CONSULTING, LLC**  
CONSULTING ENGINEERS

840 CHALLENGER DRIVE - SUITE 140  
GREEN BAY, WI 54311  
PHONE: (920) 592-9606  
FAX: (920) 592-9613

**FACSIMILE TRANSMITTAL**

**DATE:** January 18, 2011  
**TO:** Mr. Mike Halron  
Halron Brothers, LLP  
**FAX NO:** (920) 436-4004  
**FROM:** John M. Maas, P.E.  
**RE:** **Closure of the LUST Site**  
Subject Site: Former Clairmont Transfer Storage System  
1618 State Street  
Green Bay, Wisconsin  
WDNR ERRP Case No. 02-05-244863

JMM  
1/18/11

This transmittal, including this cover sheet,  
consists of 6 pages.

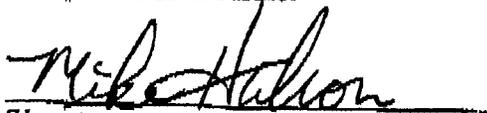
**MESSAGE**

Dear Mr. Halron:

This fax is intended to provide you a copy of the Deeds for Parcel ID # 1-1385 and 1-1408 that we obtained for the above referenced subject site. The Former Clairmont Transfer Storage System's Areal Extent of Groundwater Contamination affect both of the parcels that you own. Please review the Former Clairmont Transfer Storage System's Areal Extent of Groundwater Contamination provided herein and the deeds, sign the following statement and fax the signed statement back to our office. The signed statement is required to be submitted with the closure documents.

**Responsible Parties Statement that Legal Description is Correct**

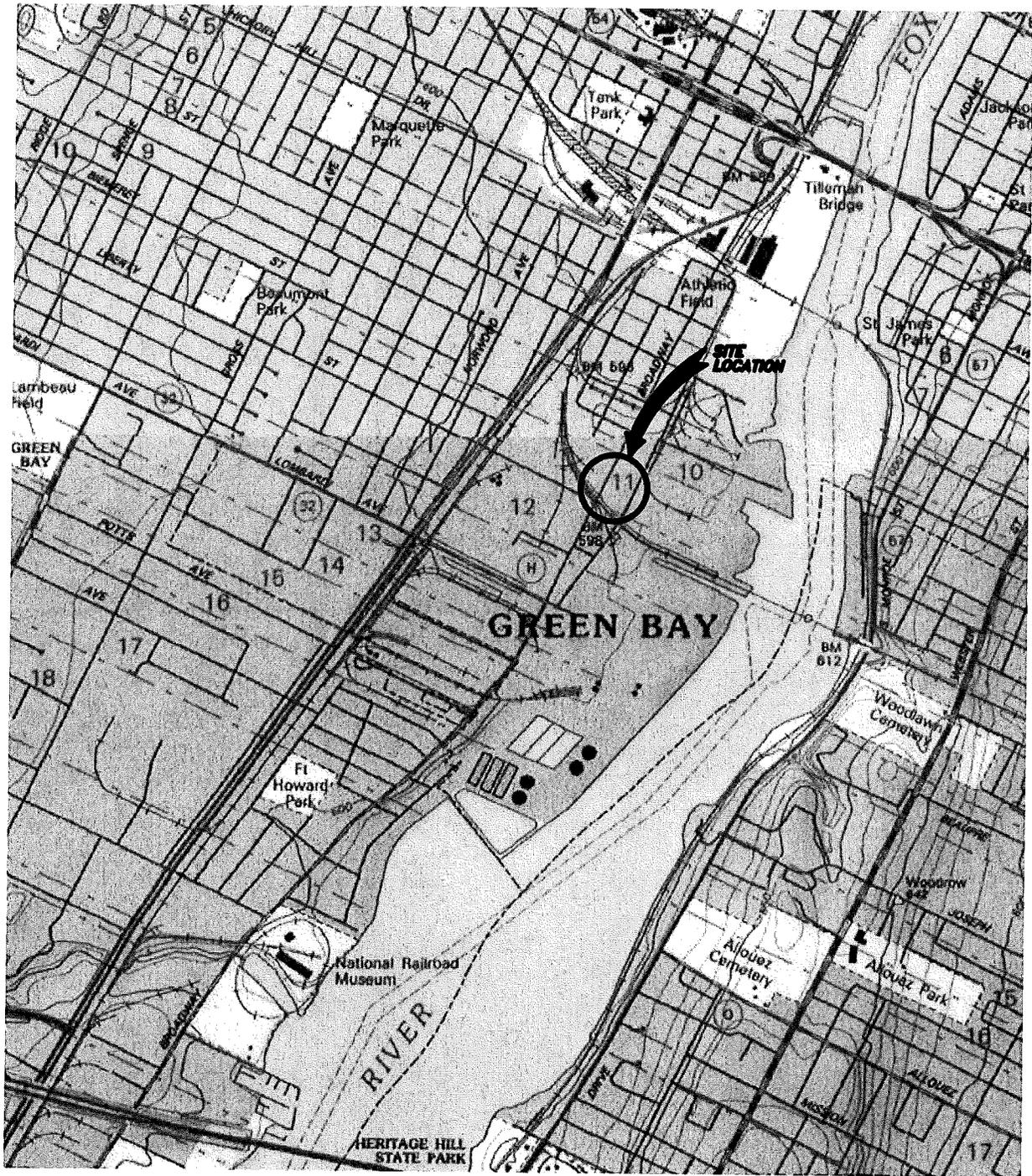
I, Mike Halson, represent the Owners and Responsible Parties for the above referenced subject site, do hereby state that the attached legal description to this statement are complete and accurate.

  
Signature

1/19/11  
Date

If you have any questions, please contact me at your convenience.

Please call (920) 592-9606 if this transmittal is not complete.



**SITE LOCATION MAP**

**GREEN BAY, WISCONSIN  
STATE STREET BULK LUBRICANTS FACILITY**

**Halron Lubricants, Inc.**

1618 State Street  
P.O. Box 2188  
Green Bay, WI 54306  
Phone: 920.436.4000

**MMA, INC.**  
**CONSULTING ENGINEERS**

840 Challenger Drive - Suite 140  
Green Bay, WI 54311-8351  
Phone: 920/592-9808 Fax: 920/592-9813

SCALE: N.T.S.

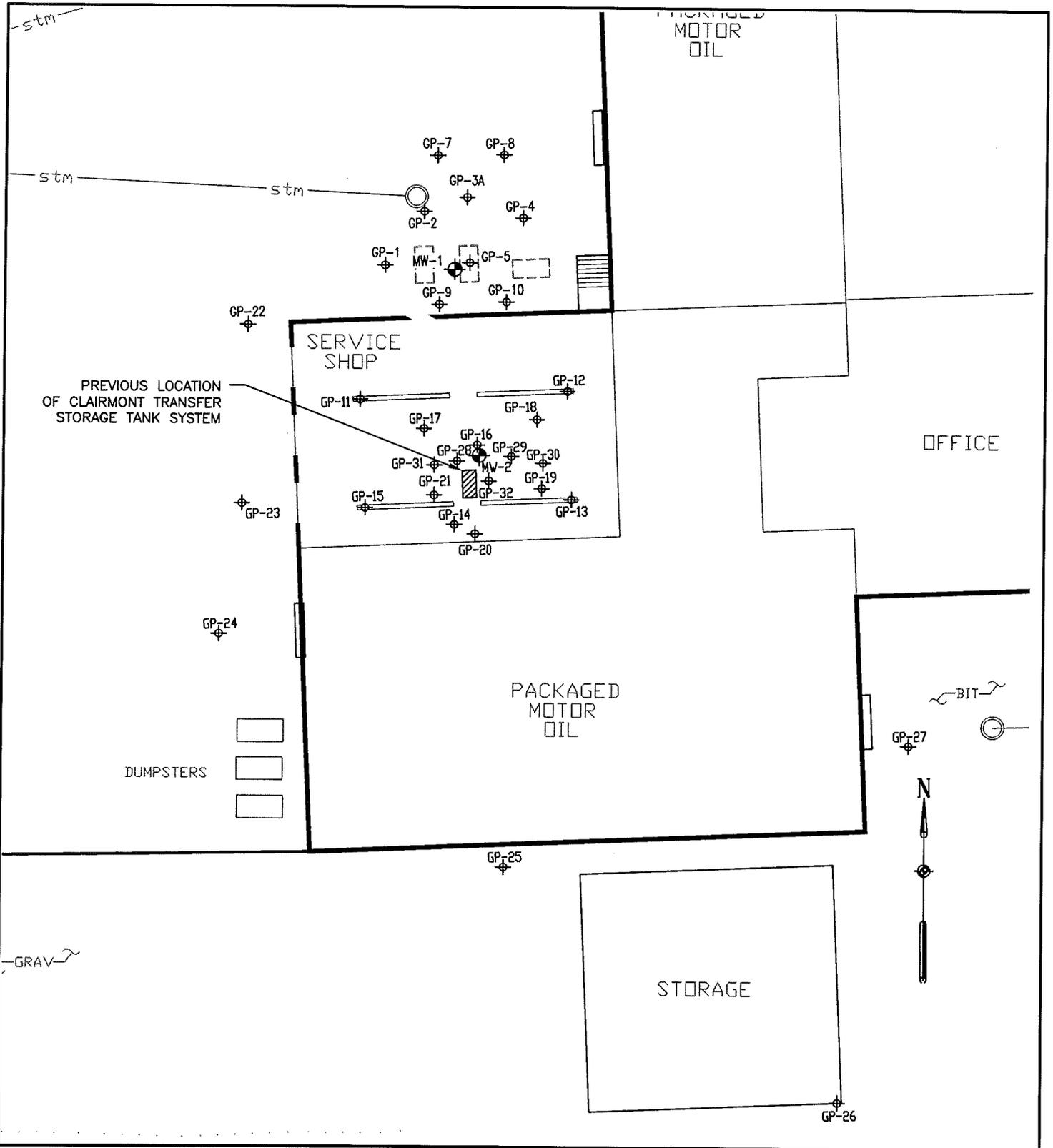
DRAWN BY: MJE

FIGURE NUMBER:

DATE: 11/01/10

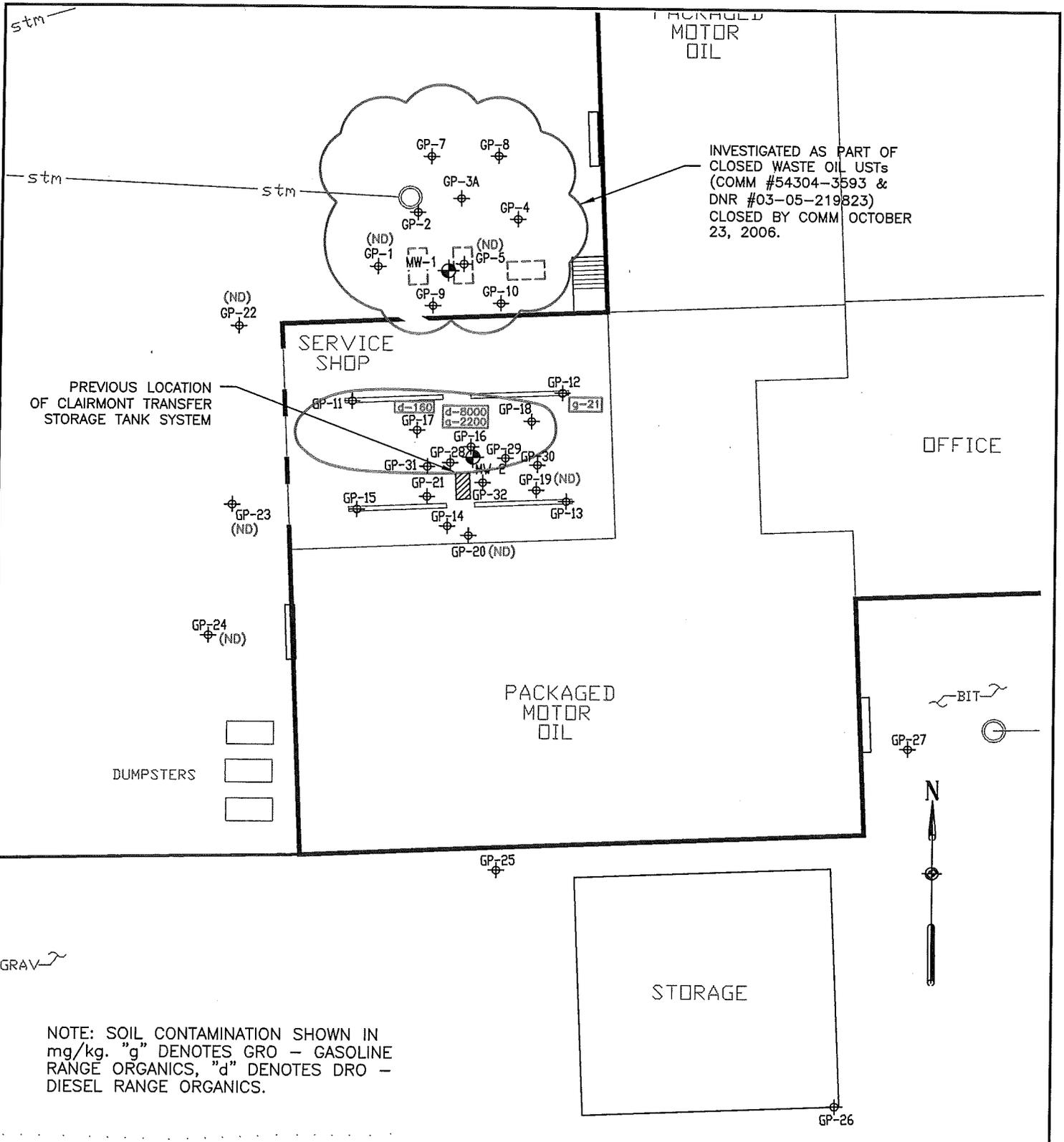
REVIEWED BY: JMM

1



<b>SITE PLAN</b>		<b>HALRON OIL CO., INC.</b> 1618 STATE STREET GREEN BAY, WI	
<b>MMA, INC.</b> CONSULTING ENGINEERS 840 Challenger Drive - Suite 140 Green Bay, WI 54311-8351 Phone: 920/592-9606 Fax: 920/592-9613	SCALE: 1" = 30'	DRAWN BY: SMM	FIGURE NUMBER: <b>2</b>
	DATE: 1/13/11	REVIEWED BY: JMM	

ATTACHMENT "F"



NOTE: SOIL CONTAMINATION SHOWN IN mg/kg. "g" DENOTES GRO - GASOLINE RANGE ORGANICS, "d" DENOTES DRO - DIESEL RANGE ORGANICS.

AREAL EXTENT OF SOIL CONTAMINATION

HALRON OIL CO., INC.

1618 STATE STREET  
GREEN BAY, WI

MMA, INC.  
CONSULTING ENGINEERS

840 Challenger Drive - Suite 140  
Green Bay, WI 54311-8351  
Phone: 920/592-9606 Fax: 920/592-9613

SCALE: 1" = 30'

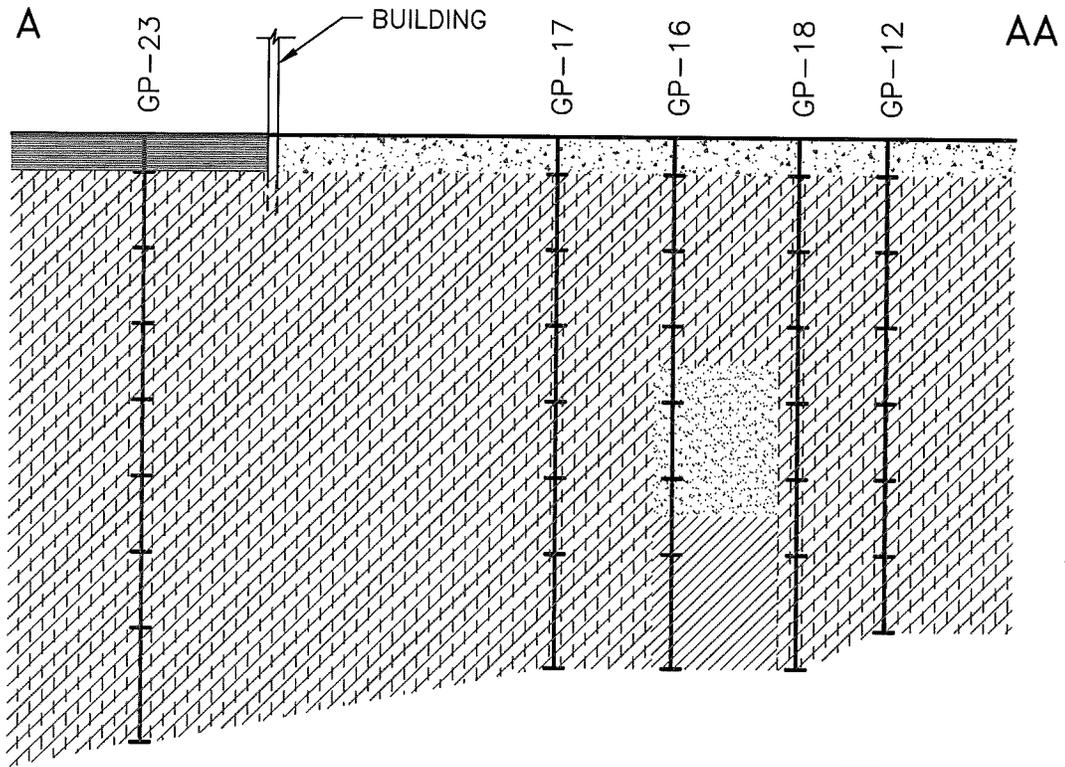
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FIGURE NUMBER:

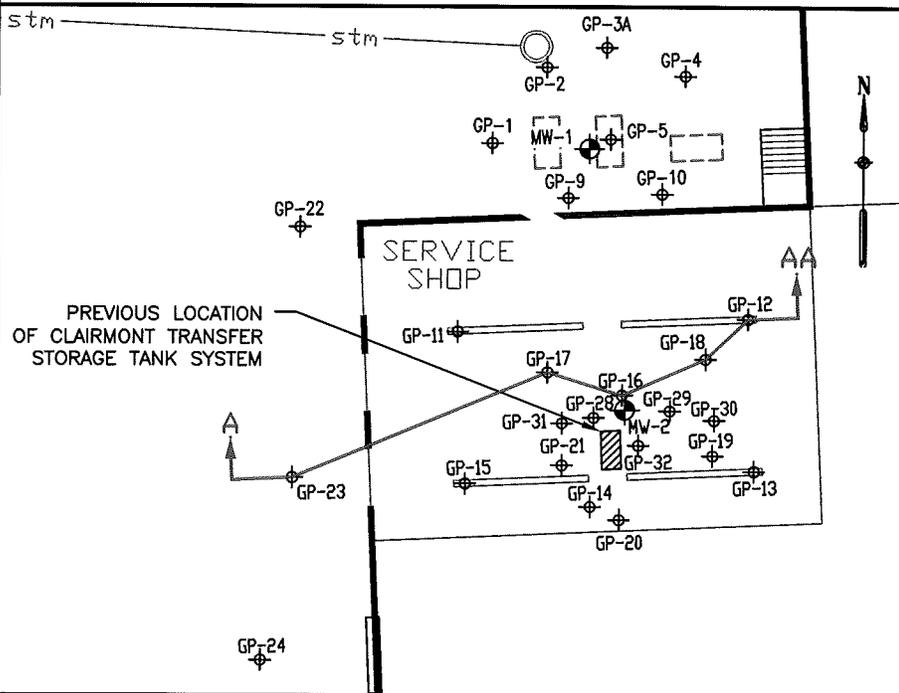
DATE: 11/30/11

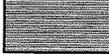
REVIEWED BY: JMM

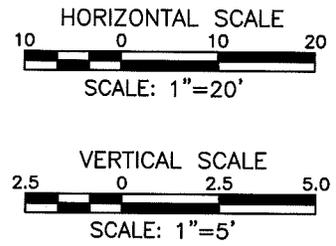
3



**CROSS SECTION LOCATION MAP**



-  ASPHALT/ GRAVEL
-  CONCRETE/ GRAVEL
-  CLAY (CL)
-  SILTY CLAY (CL-ML)
-  SAND (SP)

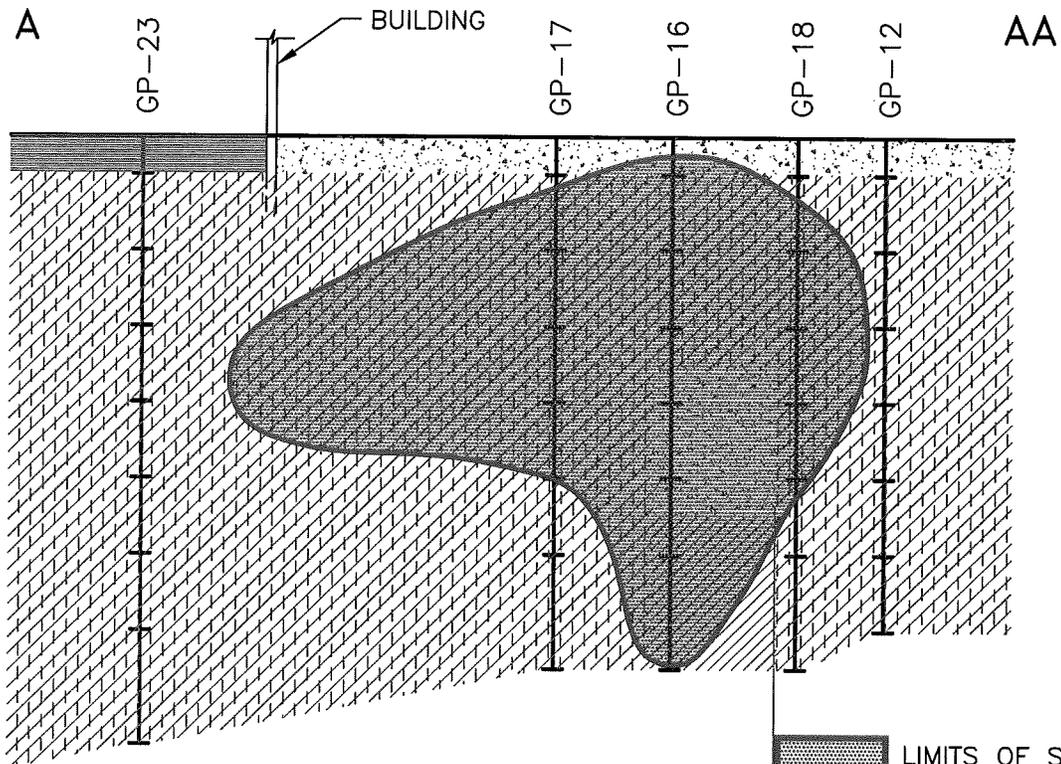


**GEOLOGIC CROSS SECTION A - AA**

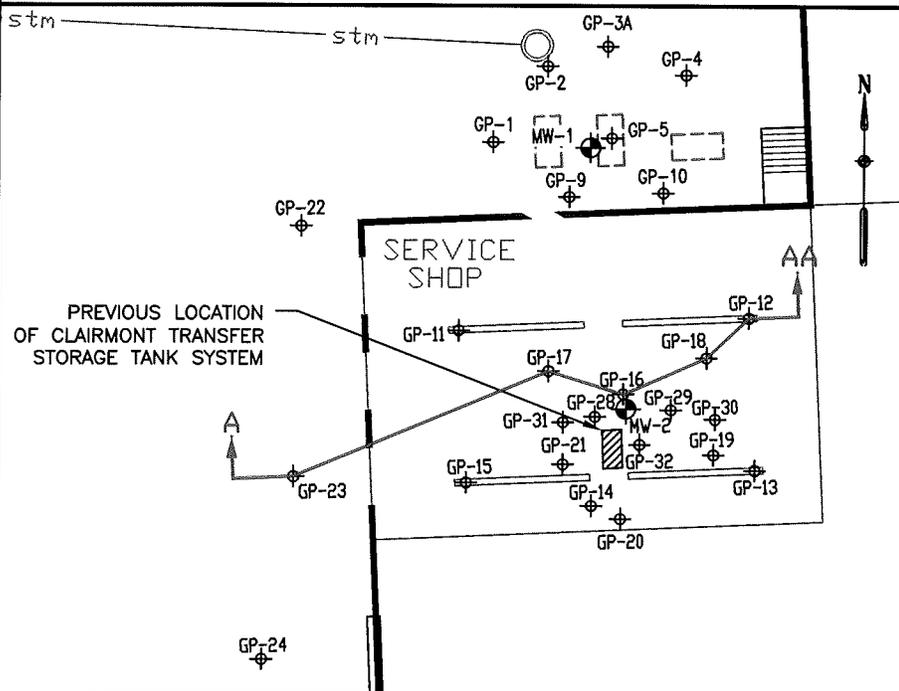
**HALRON OIL CO., INC.**  
 1618 STATE STREET  
 GREEN BAY, WI

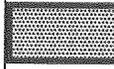
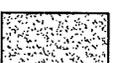
**MMA, INC.**  
 CONSULTING ENGINEERS  
 840 Challenger Drive - Suite 140  
 Green Bay, WI 54311-8351  
 Phone: 920/592-9606 Fax: 920/592-9613

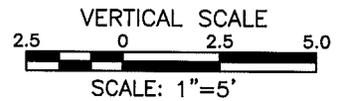
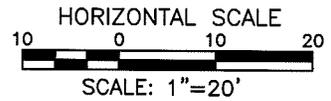
SCALE: AS SHOWN	DRAWN BY: SMM	FIGURE NUMBER: 4
DATE: 1/13/11	REVIEWED BY: JMM	



**CROSS SECTION LOCATION MAP**



-  LIMITS OF SOIL CONTAMINATION
-  ASPHALT/ GRAVEL
-  CONCRETE/ GRAVEL
-  CLAY (CL)
-  SILTY CLAY (CL-ML)
-  SAND (SP)



**GEOLOGIC CROSS SECTION A - AA  
WITH CONTAMINATION**

**HALRON OIL CO., INC.**  
1618 STATE STREET  
GREEN BAY, WI

**MMA, INC.**  
CONSULTING ENGINEERS

840 Challenger Drive - Suite 140  
Green Bay, WI 54311-8351  
Phone: 920/592-9808 Fax: 920/592-9813

SCALE: AS SHOWN

DRAWN BY: SMM

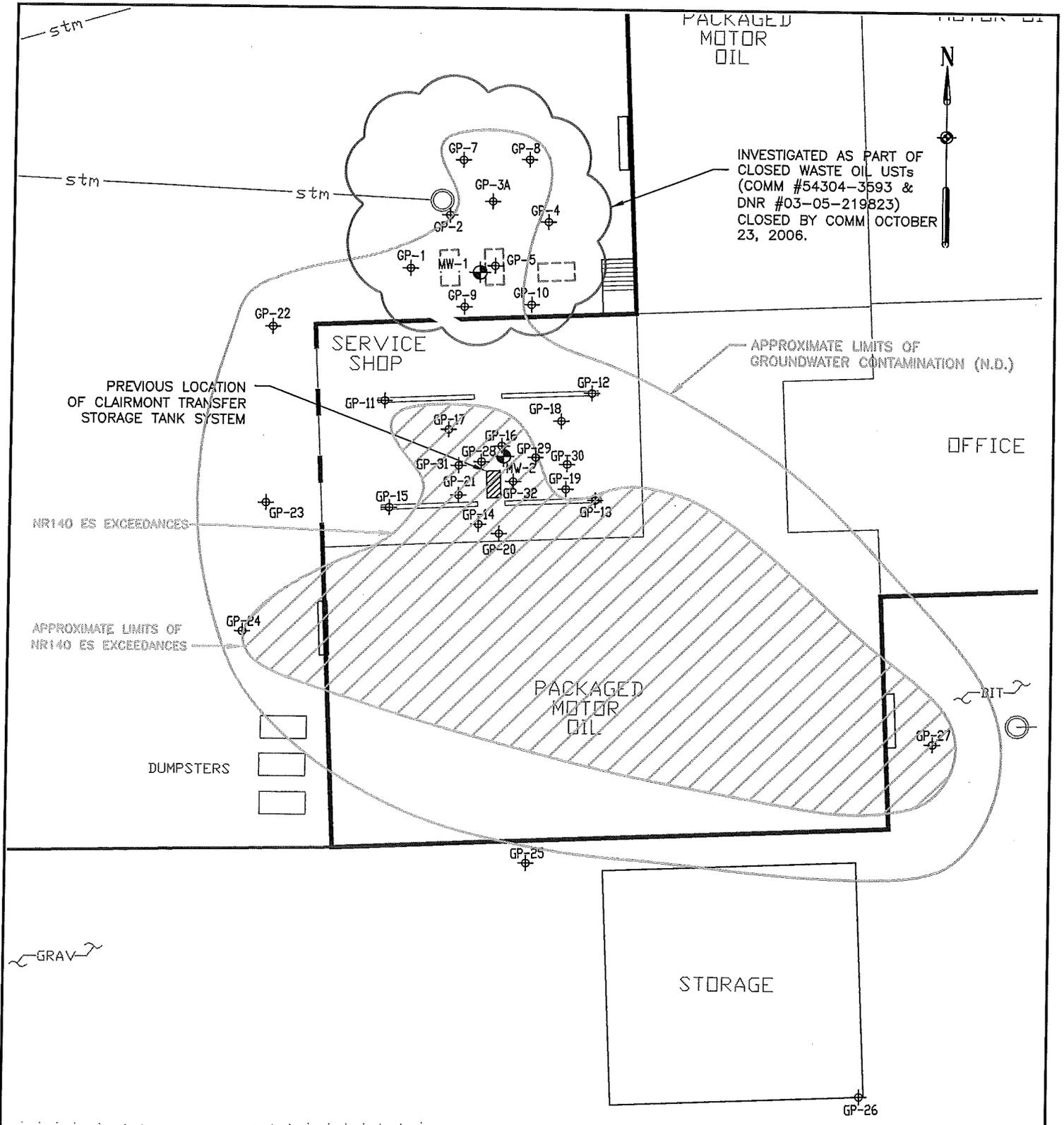
FIGURE NUMBER:

DATE: 1/13/11

REVIEWED BY: JMM

**5**

ATTACHMENT "I"



AREAL EXTENT OF GROUNDWATER CONTAMINATION

HALRON OIL CO., INC.  
1618 STATE STREET  
GREEN BAY, WI

MMA, INC.  
CONSULTING ENGINEERS

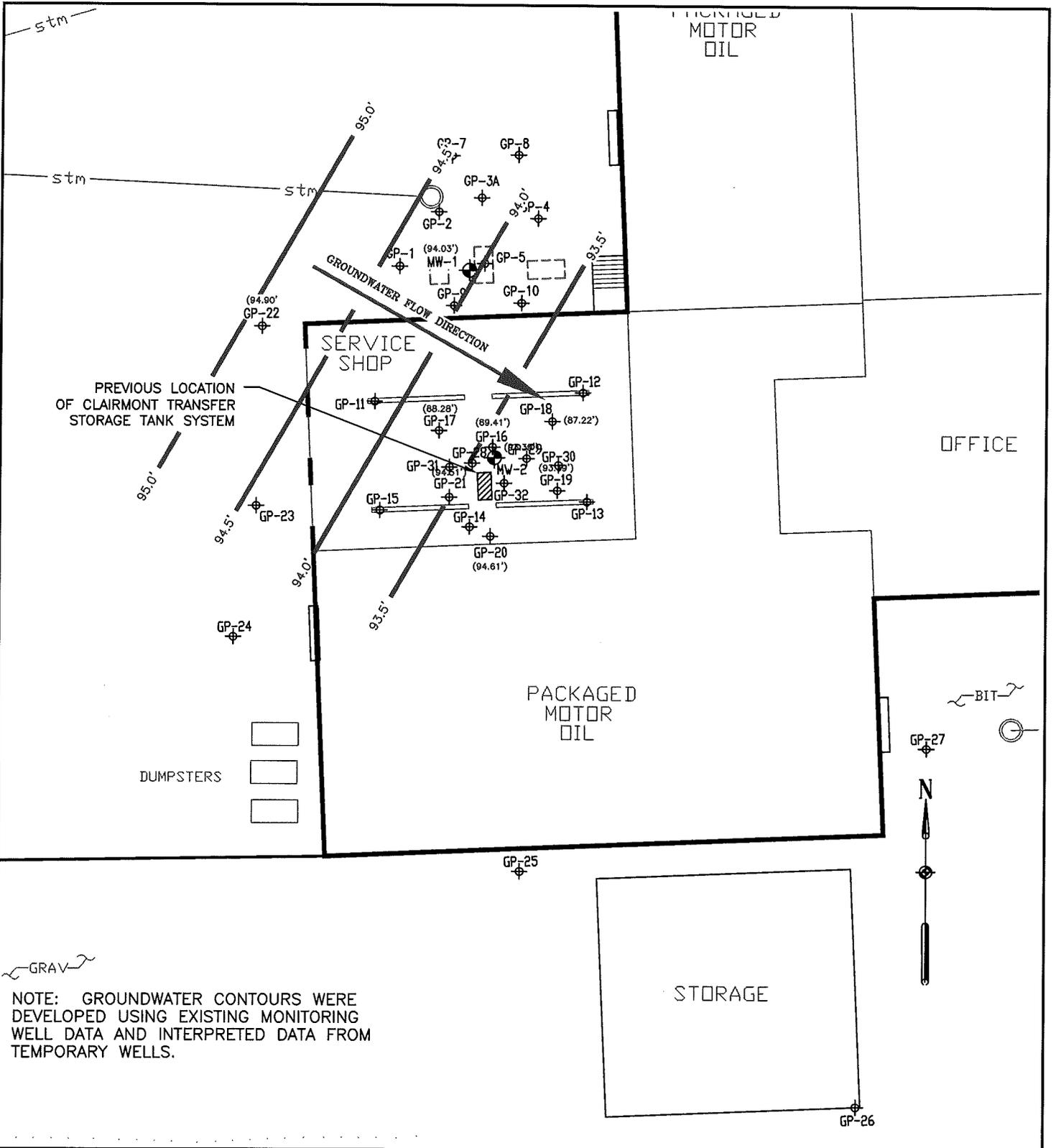
840 Challenger Drive - Suite 140  
Green Bay, WI 54311-8351  
Phone: 920/592-9608 Fax: 920/592-9613

SCALE: 1" = 30'  
DATE: 11/30/11

DRAWN BY: SMM  
REVIEWED BY: JMM

FIGURE NUMBER:

6



NOTE: GROUNDWATER CONTOURS WERE DEVELOPED USING EXISTING MONITORING WELL DATA AND INTERPRETED DATA FROM TEMPORARY WELLS.

**GROUNDWATER ELEVATIONS AND FLOW DIRECTION**

**HALRON OIL CO., INC.**  
1618 STATE STREET  
GREEN BAY, WI

**MMA, INC.**  
CONSULTING ENGINEERS  
840 Challenger Drive - Suite 140  
Green Bay, WI 54311-8351  
Phone: 920/592-9608 Fax: 920/592-9613

SCALE: 1" = 30'	DRAWN BY: SMM	FIGURE NUMBER: 7
DATE: 1/13/11	REVIEWED BY: JMM	

TABLE NO. 4

HALRON BROTHERS, LLP – 1618 STATE STREET – FORMER CLAIRMONT TRANSFER STORAGE TANK SYSTEM

SOIL ANALYTICAL RESULTS

Sample ID	Date	Depth (ft.)	DRO mg/kg	GRO mg/kg	Lead mg/kg	Benzene ug/kg	n-Butyl-benzene ug/kg	sec-Butyl-benzene ug/kg	tert-Butyl-benzene ug/kg	Ethyl-benzene ug/kg	Iso-propyl-benzene ug/kg	p-Iso-propyl-toluene ug/kg	Naphthalene ug/kg	n-Propyl-benzene ug/kg	Toluene ug/kg	Total TMBs ug/kg	Total Xylene ug/kg
<b>Tank Closure Samples</b>																	
Tank 1-E	5/22/99	4	<10														
Tank 1-W	5/22/99	4	<10														
Tank 2-N	5/22/99	4	88														
Tank 2-S	5/22/99	4	70														
Tank 3-N	5/22/99	4	88														
Tank 3-S	5/22/99	4	48														
Piping-Tank 1	5/22/99	2	<10														
<b>Waste Oil Tanks LUST Investigation</b>																	
GP-1	9/21/99	8.5-10.5	<10		<6	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<50
GP-2	9/21/99	6.5-8.5	<10		<6	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<50
GP-2	9/21/99	10.5-12.5	<10		<6	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<50
GP-3A	9/21/99	2.5-4.5	<10		7.1 J	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<50
GP-3A	9/21/99	6.5-8.5	<10		<6	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<50
GP-4	9/21/99	6.5-8.5	<10		3.2 J	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<50
GP-5	9/21/99	10.5-12.5	<10		<6	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<50
<b>THE ABOVE TANK CLOSURE SAMPLES AND GEOPROBES WERE CONDUCTED AS PART OF CLOSED WASTE OIL USTS (COMM #54304-3593-18B &amp; DNR #03-05-219823) CLOSED BY COMM OCTOBER 23, 2000</b>																	
<b>Clairmont Transfer LUST Site</b>																	
GP-16	12/19/00	8-10	8600	2200	<6	<500	81000	37000	<500	3900	6100	16000	19000	30000	<500	<500	21800
GP-16	12/19/00	10-12	1600	410	6.6 J	<250	12000	6800	<250	550	680	2400	1900	4400	<250	10800	1000
GP-17	12/19/00	6-8	160	<10	<6	<25	100	140	<25	<25	<25	<25	<25	65	<25	120	<75
GP-18	12/19/00	6-8	<10	21	<6	<25	320	370	<25	53	29	110	160	220	<25	450	<75
GP-19	12/19/00	6-8	<10	<10	6.6 J	<25	53	71	<25	<25	<25	<25	<25	52	<25	101	<75
GP-20	12/19/00	6-8	<10	<10	<6	<25	51	<25	<25	<25	<25	<25	<25	<25	<25	28	<75
GP-21	12/19/00	6-8	<10	<10	6.8 J	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
GP-22	12/19/00	6-8	<10	<10	<6	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<75
GP-23	3/15/01		<10	<10	<6	<25				<25			<30		<25	<25	<75
GP-24	3/15/01		<10	<10	<6	<25				<25			<30		<25	72	<25
NR 720			100/250	100/250	50/500	5.5				2900			0.4 <sup>A</sup>		1500		4100

<sup>A</sup>DRAFT PAH Limits

Blank – Not analyzed for

Shaded – Significant Results

J = Analyte detected between limit of detection (LOD) and limit of quantitation (LOQ)

GP-28 through GP-32 were conducted inside the service garage after the discovery of free product to try and locate the source of the free product, i.e. UST(s).. No soil or groundwater samples were collected as part of that investigation.

ATTACHMENT 'E'

TABLE NO. 5

HALRON BROTHERS, LLP – 1618 STATE STREET – FORMER CLAIRMONT TRANSFER STORAGE TANK SYSTEM

SOIL ANALYTICAL RESULTS (PAH)

(all results are shown in ug/kg)

ID	Acenaph-thene	Acenaph-thylene	Anth-racene	Benzo(a)anth-racene	Benzo(a)pyrene	Benzo(b)fluoran-thene	Benzo(k)fluoran-thene	Benzo (g,h,i)Perylene	Chry-sene	Dibenzo (a,h) anthra-cene	Fluor-anthene	Fluor-ene	Ideno (1,2,3-cd) pyrene	1-Methyl-naph-thalene	2-Methyl-naph-thalene	Naph-thalene	Phenan-threne	Pyrene
<b>Waste Oil Tanks LUST Investigation</b>																		
GP-1	<21	<24	<36	<23	<34	<46	<48	<29	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
GP-2	<21	<24	<36	<23	<34	<46	<48	<29	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
GP-2	<21	<24	<36	<23	<34	<46	<48	<29	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
GP-3A	<21	<24	<36	<23	<34	<46	<48	<29	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
GP-3A	<21	<24	<36	<23	<34	<46	<48	<29	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
GP-4	<21	<24	<36	<23	<34	<46	<48	<29	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
GP-5	<21	<24	<36	<23	<34	<46	<48	<29	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
<b>THE ABOVE GEOPROBES WERE CONDUCTED AS PART OF CLOSED WASTE OIL USTS (COMM #54304-3593-18B &amp; DNR #03-05-219823) CLOSED BY COMM OCTOBER 23, 2000</b>																		
<b>Clairmont Transfer LUST Site</b>																		
GP-16	1300	<240	<360	<230	<340	<460	<290	<480	<420	<180	<380	3800	<180	15000	26000	5700	6200	730 J
GP-16	420	<24	70 J	<23	<34	<46	<29	<48	51 J	<18	68 J	2000	<18	6500	10000	1600	3300	440
GP-17	<21	<24	<36	<23	<34	<46	<29	<48	<42	<18	<38	61 J	<18	66 J	92	37 J	44 J	<45
GP-18	37 J	<24	<36	<23	<34	<46	<29	<48	<42	<18	<38	100 J	<18	300	370	69 J	250	<45
GP-19	<21	<24	<36	<23	<34	<46	<29	<48	<42	<18	<38	<47	<18	<31	36 J	<30	<35	<45
GP-20	<21	<24	<36	<23	<34	<46	<29	<48	<42	<18	<38	<47	<18	<31	36 J	<30	<35	<45
GP-21	<21	<24	<36	<23	<34	<46	<29	<48	<42	<18	<38	<47	<18	<31	27 J	<30	<35	<45
GP-22	<21	<24	<36	<23	<34	<46	<29	<48	<42	<18	<38	<47	<18	<31	<21	<30	<35	<45
GP-23	<35	<35	<36	<46	<47	<53	<99	<56	<47	<52	<21	<20	<67	<65	<87	<44	<41	<46
GP-24	<35	<35	<36	<46	<47	<53	<99	<56	<47	<52	<21	<20	<67	<65	<87	<44	<41	<46
Draft NR 720 RCLs	38	0.7	3000	17	48	360	870	6800	37	38	500	100	680	23	20	0.4	1.8	8700

\*\* Draft NR 720 RCLs are shown in mg/kg

J = Analyte detected between limit of detection (LOD) and limit of quantitation (LOQ)

GP-28 through GP-32 were conducted inside the service garage after the discovery of free product to try and locate the source of the free product, i.e. UST(s).. No soil or groundwater samples were collected as part of that investigation.

**TABLE NO. 1**  
**HALRON BROTHERS, LLP – 1618 STATE STREET – FORMER CLAIRMONT TRANSFER STORAGE TANK SYSTEM**  
**GROUNDWATER ANALYTICAL RESULTS**

Samp ID	Date	Lead ug/l	Benzene ug/l	n-Butyl benzene ug/l	sec-Butylbenzene ug/l	Dibromochloromethane ug/l	1,2-DCA ug/l	1,1-DCA ug/l	cis-1,2-DCE ug/l	Ethylbenzene ug/l	Naphthalene ug/l	MTBE ug/l	Isopropylbenzene ug/l	p-Isopropyl toluene ug/l	n-Propylbenzene ug/l	PCE ug/l	Toluene ug/l	Total TMBs ug/l	Total Xylenes ug/l	
<b>Waste Oil Tanks LUST Investigation</b>																				
GP-1	9/21/99	4.2	<0.32	<0.23	<0.34	<0.37	<0.36	1.7	1.5	<0.34	<0.88	<0.31	<0.34	<0.31	<0.3	<0.35	2	<0.64	<0.66	
GP-2	9/21/99	NS	<0.32	<0.23	<0.34	<0.37	<0.36	<0.34	<0.32	<0.34	<0.88	<0.31	<0.34	<0.31	<0.3	<0.35				
GP-3A	9/21/99	8.3	<0.32	0.76 J	<0.34	<0.37	<0.36	2.1	<0.32	<0.34	<0.88	<0.31	<0.34	<0.31	<0.3	<0.35	<0.35	<0.64	<0.66	
GP-4	Geoprobe was dry																			
GP-5	9/21/99	1.3 J	<0.32	0.71	<0.34	<0.37	<0.36	<0.34	4.4	<0.34	<0.88	<0.31	<0.34	<0.31	<0.3	1.6	<0.35	<0.64	0.87 J	
GP-6	Unintentionally skipped in the field.																			
GP-7	1/27/00	<1.0	<0.32	1.5	0.74 J	0.5 J	0.41 J	<0.34	<0.32	<0.34	<0.88	11	<0.34	<0.31	<0.3	2.4	<0.35	0.38 J	1 J	
DUP1	1/27/00	<1	<0.32	1.5	0.36 J	<0.28	0.4 J	<0.34	<0.32	<0.34	<0.88	11	<0.34	<0.31	0.75 J	<0.35	0.62 J	0.81 J	<0.66	
GP-8	1/27/00	<1	0.4 J	13	3.2	<0.37	<0.36	0.74 J	<0.32	2.7	10	0.86 J	1.1	1.7	3.1	<0.35	<0.35	7.3	1.33 J	
GP-9	1/27/00	<1	<0.32	0.64 J	<0.34	<0.37	<0.36	<0.34	9.3	<0.34	2.4 J	<0.31	<0.34	<0.31	<0.3	0.6 J	0.57 J	0.9 J	1.41 J	
GP-10	1/27/00	<1	<0.32	<0.23	<0.34	<0.37	<0.36	<0.34	<0.32	<0.34	1 J	<0.31	<0.34	<0.31	<0.3	<0.35	0.74 J	<0.64	<0.66	
<b>THE ABOVE GEOPROBES WERE CONDUCTED AS PART OF CLOSED WASTE OIL USTS (COMM #54304-3593-18B &amp; DNR #03-05-219823) CLOSED BY COMM OCTOBER 23, 2000</b>																				
<b>ERP Case Investigation</b>																				
GP-11	5/11/00		0.81 J	25	8.8	0.73 J	<0.35	<0.35	5.2	6.2	28	1.3 J	6	5.9	13	4.7	1.4	73	19.1	
DUP2	5/11/00		0.77	25	8.6	0.73 J	<0.35	<0.35	5.0	6.2	27	1.3 J	6.1	5.9	13	4.7	1.3	71	20	
GP-12	5/11/00		<0.39	5.6	1.7	1 J	<0.35	<0.35	0.51 J	0.67 J	32	1.2 J	0.61 J	1.1 J	1.6	3.2	0.43 J	9.1	2.9 J	
MW-1	5/15/00		<0.39	<0.43	<0.48	<0.5	<0.35	<0.35	30	<0.4	<0.53	<0.47	<0.38	<0.44	<0.42	0.87 J	<0.37	<0.63	<0.79	
MW-1	7/27/00		<0.39	<0.48	<0.43	<0.5	<0.35	<0.35	13	<0.4	0.76 J	<0.47	<0.38	<0.44	<0.42	0.87 J	<0.37	<0.63	<0.79	
MW-2	7/27/00		21	160	640	<5.00	<3.50	<3.50	<3.70	110	470	19	100	110	270	<3.40	130	2520	730	
GP-13	7/27/00		5.5	15	66	<0.50	0.57 J	<0.35	9.3	19	130	6.8	11	9.5	26	<0.34	4.2	234	105	
GP-14	7/27/00		45	27 J	110	<10.00	<7.00	7.0	8.9 J	76	310	48	26	20 J	59	<6.80	22 J	440	380	
GP-15	7/27/00		0.7 "J"	1.9	8.9	<0.50	2.1	<0.35	13	18	13	1.2 J	1 J	1.4 J	2.2	<0.34	3.7	25.6	14.1	
TRIP	5/15/00		<0.39	<0.43	<0.48	<0.5	<0.35	<0.35	<0.37	<0.4	<0.53	<0.47	<0.38	<0.44	<0.42	<0.37	<0.37	<0.63	<0.79	
TRIP	7/27/00		<0.39	<0.43	<0.48	<0.5	<0.35	<0.35	<0.37	<0.4	<0.53	<0.47	<0.38	<0.44	<0.42	<0.37	<0.37	<0.63	<0.79	
<b>Clairmont Transfer LUST Site</b>																				
GP-16	12/19/00	12	<20	560	180	<25	<18	<18	<19	74	310	<24	92	110	240	<17	53 J	1650	690	
GP-17	12/19/00	5.2	<0.39	0.69 J	<0.48	0.85 J	<0.35	<0.35	<0.37	<0.4	0.56 J	1.9	<0.38	<0.44	0.48 J	<0.34	<0.37	1.03 J	<1.43	
GP-18	12/19/00	<1	<0.39	10	1.2 J	0.53 J	<0.35	<0.35	<0.37	0.4 J	6.8	0.63 J	0.73 J	1.6	2.6	<0.34	<0.37	6.20	2.69 J	
GP-19	12/19/00	1.1 J	<0.39	0.93 J	0.55 J	<0.5	<0.35	<0.35	<0.37	<0.4	<0.53	15	0.58 J	<0.44	0.83 J	<0.34	<0.37	1.40 J	<1.43	
GP-20	12/19/00	2.5 J	70	240	56	<5	<3.5	<3.5	21	69	370	120	38	40	94	<3.4	68	770	420	
GP-21	12/19/00	4.6	0.94 J	1.5	<0.48	<0.5	<0.35	<0.35	<0.37	<0.4	1.3 J	1.8	<0.38	<0.44	0.69 J	<0.34	0.94 J	3.3 J	3.0 J	
GP-22	12/19/00	<1	<0.39	29	3.7	<0.5	<0.35	<0.35	<0.37	0.64 J	15	1.9	1.6	4.2	5.6	<0.34	<0.37	37	5.3 J	
TRIP	12/19/00		<0.39	<0.43	<0.48	<0.5	<0.35	<0.35	<0.37	<0.4	<0.53	<0.47	<0.38	<0.44	<0.42	<0.34	<0.37	<1.03	<1.43	
GP-23	3/15/01	<3	<0.39	0.46 J	<0.48	<0.5	<0.35	<0.35	<0.37	<0.4	<0.53	<0.47	<0.38	<0.44	<0.42	<0.34	<0.37	<1.03	<1.43	
GP-24	3/15/01	3.1 J	<7.8	140	13 J	<10	<7	<7	<7.4	17 J	<11	<9.4	200	10 J	560	<6.8	<7.4	690	<29	
GP-25	3/20/01	<1	<0.39	<0.43	<0.48	<0.5	<0.35	<0.35	<0.37	<0.4	<0.53	<0.47	<0.38	<0.44	<0.42	<0.34	<0.37	<1.03	<1.43	
GP-26	3/20/01	<1	<0.39	<0.43	<0.48	<0.5	<0.35	<0.35	<0.37	<0.4	<0.53	<0.47	<0.38	<0.44	<0.42	<0.34	<0.37	<1.03	<1.43	
GP-27	3/15/01	<3	<0.39	0.46 J	1.2 J	<0.5	<0.35	<0.35	<0.37	<0.4	<0.53	<0.47	<0.38	<0.44	<0.42	<0.34	<0.37	<1.03	<1.43	
TRIP	3/15/01		<0.39	<0.43	<0.48	<0.5	<0.35	<0.35	<0.37	<0.4	0.89 J	<0.47	<0.38	<0.44	0.48 J	<0.34	<0.37	1.06 J	<0.43	
TRIP	3/22/01		<0.39	<0.43	<0.48	<0.5	<0.35	<0.35	<0.37	<0.4	<0.53	<0.47	<0.38	<0.44	<0.42	<0.34	<0.34	<0.63	<0.79	
MW-1	12/19/00	<1	<0.39	<0.43	<0.48	<0.5	<0.35	<0.35	5.8	<0.4	0.67 J	<0.47	<0.38	<0.44	<0.42	1.4	<0.37	<1.03	<1.43	
MW-1	3/22/01	1.6 J	<0.39	<0.43	<0.48	<0.5	<0.35	<0.35	2	<0.4	<0.53	<0.47	<0.38	<0.44	<0.42	0.65 J	<0.37	<0.63	<0.79	
DUP3	3/22/01	2.6 J	<0.39	<0.43	<0.48	<0.5	<0.35	<0.35	2.1	<0.4	<0.53	<0.47	<0.38	<0.44	<0.42	0.64 J	<0.37	<0.63	<0.79	
MW-1	2/11/02		0.26 J																	
MW-1	5/6/02		<0.43						0.89			<0.46						0.78 J	10.1	3.2
DUP5	5/6/02		<0.43						<0.49			<0.49						<0.63	<0.72	<1
MW-1	10/2/02		<0.62						<0.49			<0.49						<0.63	<0.72	<1
MW-1	1/3/03		<0.45						<0.63			<0.62						<0.64	<0.66	<1.5
DUP6	1/3/03		<0.45						<0.82			<0.43						<0.68	<0.94	<1.7
NR 140 PAL/ES		1.5/5	0.5/5			6/60	0.5/5	85/850	7/70	140/700	8/40	12/60				0.5/5	200/1000	96/480	1000/10000	

ATTACHMENT "H"

**TABLE NO. 1, cont.**  
**HALRON BROTHERS, LLP – 1618 STATE STREET – FORMER CLAIRMONT TRANSFER STORAGE TANK SYSTEM**  
**GROUNDWATER ANALYTICAL RESULTS**

Samp ID	Date	Lead ug/l	Benzene ug/l	n-Butyl benzene ug/l	sec- Butylben- zene ug/l	Dibromo- chloro- methane ug/l	1,2-DCA ug/l	1,1-DCA ug/l	cis-1,2-DCE ug/l	Ethylbenzene ug/l	Naphthalene ug/l	MTBE ug/l	Isopropylbenzene ug/l	p-Isopropyl toluene ug/l	n-Propyl- benzene ug/l	PCE ug/l	Toluene ug/l	Total TMBs ug/l	Total Xylenes ug/l
MW-2	12/19/00	3.3 J	27	350	130	<10	<7	<7	<7.4	86	270	39	67	69	170	<6.8	120	1350	580
MW-2	3/22/01	2.7 J	29	1200	330	<5	<3.5	<3.5	6.3 J	150	1100	51	170	200	570	<3.4	120	4500	1290
MW-2	2/11/02		48 J							200		<92					120	3170	1200
DUP4	2/11/02		<42							180		<92					170 J	2600	1100
MW-2	5/6/02		<22							47 J		62 J					150 J	800	450
MW-2	10/2/02		33							92		<31					70 J	1020	520
MW-2	1/3/03		32							200		<11					100	3030	1040
MW-2	7/27/11		12.1	15.2	11.4	<0.55	<0.5	<0.98	19.6	39	130	17.6	22.5	12.9	29.1	<0.44	150	283	151
NR 140 PAL/ ES		1.5/5	0.5/5			6/60	0.5/5	85/850	7/70	140/700	8/40	12/60				0.5/5	200/1000	96/480	1000/ 10000

Blank – Not analyzed for

Shaded – Significant Results

DUP1 collected at GP-7 DUP2 collected at GP-11 DUP3 collected at MW-1 DUP4 collected at MW-2 DUP5 collected at MW-1 DUP6 collected at MW-1

J = Analyte detected between limit of detection (LOD) and limit of quantitation (LOQ)

GP-28 through GP-32 were conducted inside the service garage after the discovery of free product to try and locate the source of the free product, i.e. UST(s).

No soil or groundwater samples were collected as part of that investigation.

TABLE NO. 2

HALRON BROTHERS, LLP - 1618 STATE STREET - FORMER CLAIRMONT TRANSFER STORAGE TANK SYSTEM

GROUNDWATER ANALYTICAL RESULTS (PAH)

(all results are shown in ug/l)

ID	Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (g,h,i) perylene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Ideno (1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene
<b>Waste Oil Tanks LUST Investigation</b>																			
GP-1	9/21/99	<0.042	<0.18	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.52	<0.66	<0.59	<0.12	<0.074
GP-2	Not enough sample																		
GP-3A	9/21/99	0.065	<0.18	0.17	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.52	<0.66	<0.59	0.25	0.078J
GP-4	Geoprobe was dry																		
GP-5	9/21/99	0.63	<0.18	0.19	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.52	<0.66	<0.59	0.25	0.078J
GP-6	Unintentionally skipped in the field.																		
<b>THE ABOVE GEOPROBES WERE CONDUCTED AS PART OF CLOSED WASTE OIL USTS (COMM #54304-3593-18B &amp; DNR #03-05-219823) CLOSED BY COMM OCTOBER 23, 2000</b>																			
<b>Clairmont Transfer LUST Site</b>																			
GP-16	12/19/00	460	240	40	<3.7	<5	8.1 J	<0.5	<26	<35	<21	8900	510	<30	5100	9300	3300	2000	220
GP-17	12/19/00	<0.17	<1	<0.01	<0.074	<0.1	<0.065	<0.01	<0.52	<0.7	<0.42	<0.36	<0.33	<0.59	<0.21	<0.2	<0.22	<0.037	<0.059
GP-18	12/19/00	<0.17	<1	<0.01	<0.074	<0.1	<0.065	<0.01	<0.52	<0.7	<0.42	1.4	<0.33	<0.59	<0.87	0.9	0.41 J	0.7	<0.059
GP-19	12/19/00	<0.17	<1	<0.01	<0.074	<0.1	<0.065	<0.01	<0.52	<0.7	<0.42	<0.36	<0.33	<0.59	<0.21	<0.2	<0.22	<0.037	<0.059
GP-20	12/19/00	11	<1	1.3	0.73	<0.1	0.58	0.017	<0.52	<0.7	<0.42	<0.36	<0.33	<0.59	<0.21	<0.2	<0.22	<0.037	<0.059
GP-21	12/19/00	<0.17	<1	<0.01	<0.074	<0.1	<0.065	<0.01	<0.52	<0.7	<0.42	2200	16	<0.59	130	170	100	52	11
GP-22	12/19/00	<0.17	<1	<0.01	<0.074	<0.1	<0.065	<0.01	<0.52	<0.7	<0.42	<0.36	<0.33	<0.59	0.47 J	1	0.69 J	<0.037	<0.059
MW-1	12/19/00	<0.17	<1	<0.01	<0.074	<0.1	<0.065	<0.01	<0.52	<0.7	<0.42	6.6	0.68 J	<0.59	3.6	6	1.2	1.4	<0.059
MW-2	12/19/00	1100	920	110	23	21	2.8	<0.1	<0.52	<0.7	<0.42	<0.36	<0.33	<0.59	<0.21	<0.2	<0.22	<0.037	<0.059
GP-23	03/15/01	<0.17	<1	<0.01	<0.074	<0.1	<0.065	<0.01	<0.52	<0.7	<0.42	23000	1100	<30	12000	21000	8800	5300	640
GP-24	03/15/01	<0.17	7.1	<0.01	<0.074	<0.1	<0.065	<0.01	<0.52	<0.7	<0.42	<0.36	<0.33	<0.59	<0.21	<0.2	<0.22	0.2	<0.059
GP-25	03/15/01	<0.17	<1	1.5	1.6	3.1	2.4	0.83	2.2	1.6 J	<0.42	<0.36	<0.33	<0.59	0.59 J	1.5	0.66 J	0.2	<0.059
GP-26	3/20/01	<0.17	<1	<0.01	<0.074	<0.1	<0.065	<0.01	<0.52	<0.7	<0.42	<0.36	<0.33	<0.59	<0.21	<0.2	<0.22	0.25 J	4.1
GP-26	3/20/01	<0.17	<1	<0.01	<0.074	<0.1	<0.065	<0.01	<0.52	<0.7	<0.42	<0.36	<0.33	<0.59	<0.21	<0.2	<0.22	<0.037	<0.059
MW-1	3/22/01	<0.17	<1	<0.01	<0.074	<0.1	<0.065	<0.01	<0.52	<0.7	<0.42	0.57 J	<0.33	<0.59	<0.21	<0.2	<0.22	<0.037	<0.059
DUP	3/22/01	<0.17	<1	<0.01	<0.074	<0.1	<0.065	<0.01	<0.52	<0.7	<0.42	0.57 J	<0.33	<0.59	<0.21	<0.2	<0.22	<0.037	<0.059
MW-1	10/2/02	<0.022	<0.082	0.13	<0.019	<0.018	<0.020	<0.018	<0.021	<0.018	<0.051	0.17	<0.022	<0.022	<0.020	<0.037	<0.013	0.19	0.13
MW-1	1/3/03	0.47	0.073	<0.047	<0.028	<0.033	<0.031	<0.045	<0.038	<0.033	<0.038	0.10	0.11	<0.049	0.26	0.32	0.097	0.078	0.086
DUP	1/3/03	0.45	0.0063	0.044	<0.025	<0.029	<0.027	<0.040	<0.033	<0.029	<0.033	0.19	0.060	<0.044	0.10	0.079	0.050	<0.033	0.15
MW-2	3/22/01	270	200	25	<0.074	8.5	11	1.3	<5.2	160	<0.42	4700	290	<5.9	3000	2700	1900	1100	<0.59
MW-2	10/2/02	<2.2	<8.2	<2.6	<1.9	<1.8	<2.0	<1.8	<2.1	<1.8	<5.1	<1.2	51	<2.2	830	1400	510	170	29
MW-2	1/3/03	<190	35	41	4.4	<2.9	<2.7	<4.0	<3.3	7.2	<3.3	17	370	<4.4	2400	3800	1100	540	28
MW-2	7/27/11	6.5	1.7 J	2.43 J	<1.4	<1.1	<1.3	<1.5	<1.5	<1.3	<1.6	<1.2	17	<1.5	52	<1.3	<1.5	27.7	2.95 J
NR 140 PAL/ES		120/600 <sup>A</sup>	1/5 <sup>A</sup>	600/3000	0.0048/0.048 <sup>A</sup>	0.2/0.02	0.02/0.2	0.048/0.48 <sup>A</sup>	0.096/0.48 <sup>A</sup>	0.02/0.2	0.00048/0.0048 <sup>A</sup>	80/400	80/400	0.0048/0.048 <sup>A</sup>	140/700 <sup>A</sup>	80/400 <sup>A</sup>	8/40	0.096/0.48 <sup>A</sup>	50/250

<sup>A</sup> Draft PAL/ES

Blank - Not analyzed for

Shaded - Significant Results

J = Analyte detected between limit of detection (LOD) and limit of quantitation (LOQ)

GP-28 through GP-32 were conducted inside the service garage after the discovery of free product to try and locate the source of the free product, i.e. UST(s). No soil or groundwater samples were collected as part of that investigation.

TABLE NO. 3

HALRON BROTHERS, LLP – 1618 STATE STREET – FORMER CLAIRMONT  
TRANSFER STORAGE TANK SYSTEM

GROUNDWATER MEASUREMENTS AND ELEVATIONS

Well ID	Casing Elev. (ft)	Measurement Date 12/20/00	
		Depth	Elevation
<b>Temporary Wells</b>			
GP-16	99.90	10.49	94.41
GP-17	99.86	11.58	88.28
GP-18	99.88	12.66	87.22
GP-19	99.90	6.51	93.39
GP-20	99.86	5.25	94.61
GP-21	99.84	5.33	94.51
GP-22	102.07	7.17	94.90
<b>Monitoring Wells</b>			
MW-1	99.23	5.20	94.03
MW-2	99.66	6.27	93.39

Note: All measurements are reported in feet.