

GIS REGISTRY

Cover Sheet

July, 2008
(RR 5367)

Source Property Information

BRRTS #: 02-05-222174

ACTIVITY NAME: HALRON OIL CO INC - PLUME 2

PROPERTY ADDRESS: 2020 QUINCY ST

MUNICIPALITY: GREEN BAY

PARCEL ID #: 20-689-A

CLOSURE DATE: Aug 31, 2000

FID #: 405187860

DATCP #:

COMM #: 54302999920

*WTM COORDINATES:

X: 679436 Y: 452778

** 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")*

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:

Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations
between residential 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 or economic
development corporation)*

Monitoring wells properly abandoned? (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 #: 02-05-222174 PARCEL ID #: 20-689-A

ACTIVITY NAME: HALRON OIL CO INC - PLUME 2 WTM COORDINATES: X: 679436 Y: 452778

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.)
- 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 8.5 x 14 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 #: 5 **Title: Post-Remedial Soil Sample Locations**
- 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 #: 1 **Title: Monitoring Wells and Remaining Soil Contamination at Plume Number 2**

BRRTS #: 02-05-222174

ACTIVITY NAME: HALRON OIL CO INC - PLUME 2

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 #: 11 Title: Groundwater Contamination (As Of June 1998)

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 #: 10 Title: Groundwater Elevations and Groundwater Flow Direction (June 18, 1998)

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 #: 9 Title: Post-Remedial Soil

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 #: 9 Title: Analytical Results for Groundwater Samples (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 #: **Title:**

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 #: 02-05-222174

ACTIVITY NAME: HALRON OIL CO INC - PLUME 2

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:

File



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

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

September 6, 2000

Mr. Michael Halron
Halco Terminal, Inc.
P.O. Box 2188
Green Bay, WI 54306-2037

SUBJECT: Case Closure of the Halron Oil Co., Inc. – Plume 2 site,
2020 North Quincy Street, Green Bay, WI
BRRTS # 02-05-222174

Dear Mr. Halron:

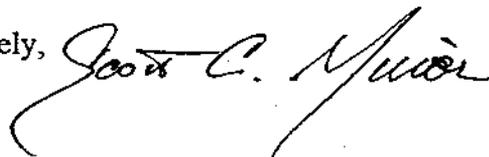
On August 19, 1999, the above-named site was reviewed by the Bureau for Remediation and Redevelopment's Northeast Region Closeout Committee to determine whether the case qualified for closeout under ch. NR 726, Wis. Adm. Code. This panel reviews environmental remediation cases for compliance with state laws, standards, and guidelines to maintain consistency in the closeout of cases. The committee has approved the closure of this case.

Upon receiving the monitoring well abandonment forms and the signed restriction on August 31, 2000, the Department considers the above referenced case "closed", having determined that no further action is necessary at the site at this time. The site will now be listed as closed in the WDNR tracking system.

Based on the investigative documentation provided to the Department, it appears that the petroleum contamination at the above-named site is in compliance with the requirements of chs. NR 700 to NR 726, Wis. Adm. Code. However, this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicate that contamination on or from the site poses a threat to public health, safety or welfare to the environment.

Thank you for your and your consultant's cooperation and cleanup efforts during this process. If you have any questions regarding the content of this letter, please contact Keld Lauridsen at (920) 492-5921.

Sincerely,

A handwritten signature in cursive script that reads "Scott C. Miller". The signature is written in dark ink and is positioned to the right of the word "Sincerely,".

Scott C. Miller
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: John Maas, MMA, Inc., 2304 Bel-Aire Court,
Green Bay, WI 54304-5017

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 groundwater or soil remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater contamination exceeding ch. NR 140, Wis. Adm. Code groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality does not comply with drinking water standards in ch. NR 809, Wis. Adm. Code is restricted by chs. NR 811 and NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

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:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

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 benefits 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 to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

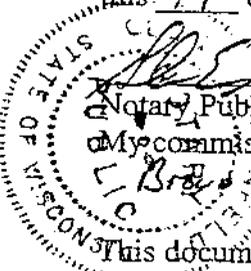
By signing this document, Michael Halron asserts that he is duly authorized to sign this document on behalf of HALCO Terminal, Inc.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 19 day of MAY, 2000.

Signature: Michael Halron
Printed Name: Michael Halron
Title: Vice President

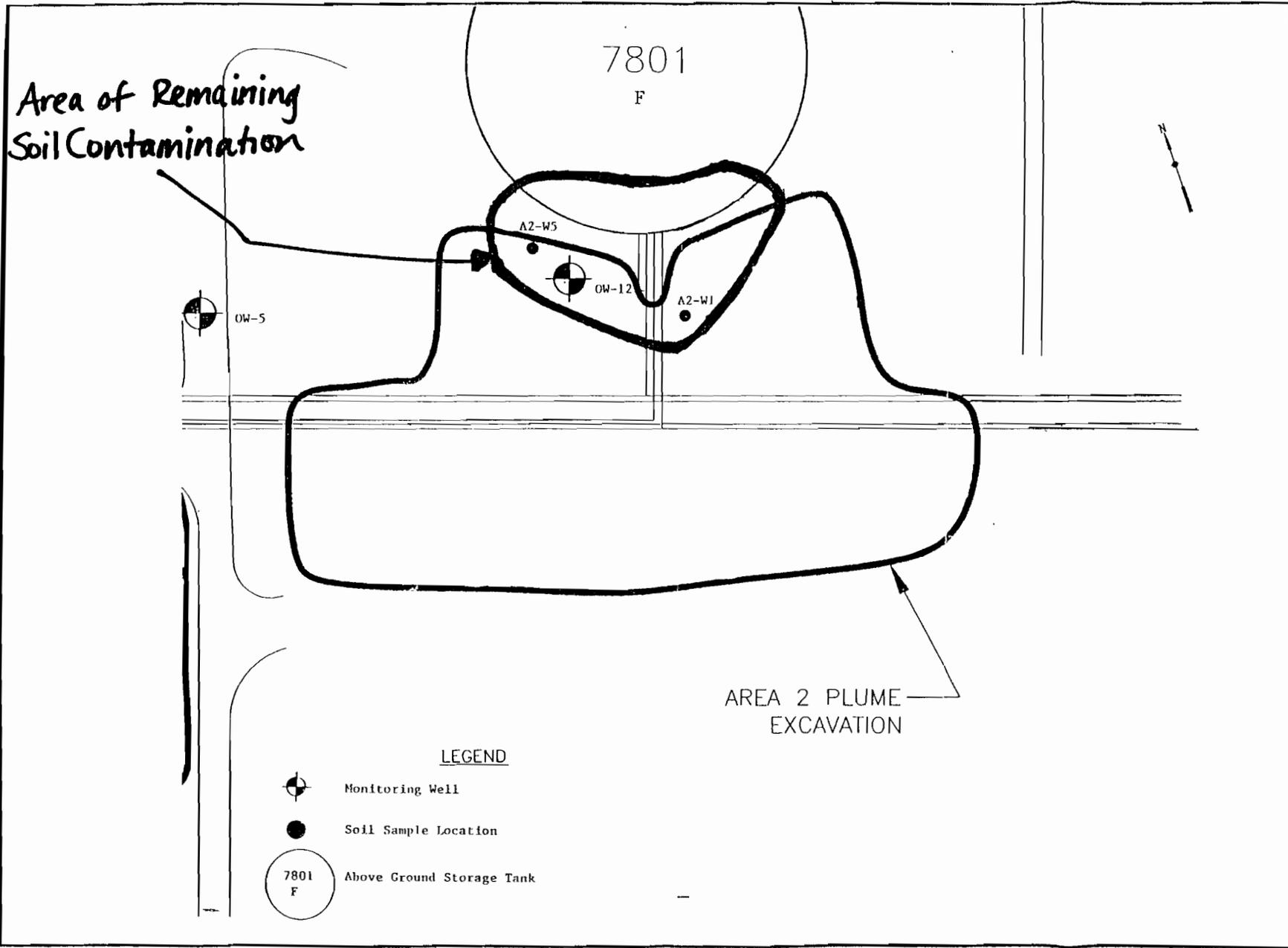
Subscribed and sworn to before me
this 19 day of May, 2000.

[Signature]
Notary Public, State of Wisconsin!
My commission 3-28-2004
Brook County



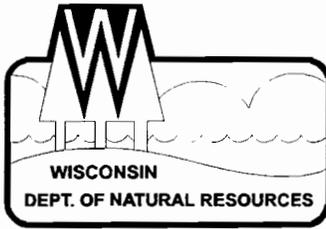
This document was drafted by the Wisconsin Department of Natural Resources based on information provided by John M. Maas, P.E. of MMA. Inc.

1754490



- LEGEND
-  Monitoring Well
 -  Soil Sample Location
 -  7801 F Above Ground Storage Tank

Site Plan for Halco Terminal, Inc. Green Bay, Wisconsin	POST-REMEDIAL SOIL SAMPLE LOCATIONS	MMA, INC. CONSULTING ENGINEERS 2304 Bel-Aire Court Green Bay, WI 54303 Phone: 920/892-8806 Fax: 920/892-0813	DRAWN BY: TEM
		DATE: DEC. 1998	SCALE:
		Figure 1	



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

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

August 26, 1999

Mr. Jim Halron
Halco Terminal, Inc.
P.O. Box 2188
Green Bay, Wisconsin 54306-2037

Subject: Case Closure with Groundwater Use Restriction and Deed Restriction, Halron East Terminal, Former James River Bulk Plant, **Area/Plume 2**, 2020 North Quincy Street, Green Bay, Wisconsin
BRRTS #: 02-05-222174 PECFA #: 54302-9999-20

Dear Mr. Halron:

The Department's Case Closure Committee in the Northeast Region has reviewed the above case and has agreed to close this site pending the filing of a groundwater use restriction and a deed restriction. The groundwater use restriction will state that inaccessible groundwater contamination may remain at this site and that additional remedial action is not feasible at this time. The deed restriction will state that inaccessible soil contamination may remain at this site and that additional remedial action is not feasible at this time. Both documents would be placed in the file with the deed running with the property.

Only when both restrictions have been finalized and filed with Brown County can this site be closed. To expedite the completion of the restrictions and the closure process, the Department requests that you submit the following:

- a complete (unabbreviated) legal description of the property (this may be obtained from the Brown County Register of Deeds)
- a copy of the deed (this may be obtained from the Brown County Register of Deeds)
- available maps, such as a survey map, showing the property boundaries, building outlines, areas of remaining contamination, soil borings and monitoring well/piezometer locations

Once these items have been submitted, the Department will send you draft copies of the restrictions containing language regarding the remaining petroleum contamination. If it is acceptable, please sign it and return a signed copy with proof of filing for our records. At that time, the site may be closed.

Both the groundwater use restriction and the deed restriction are options that the Department can offer in order to close this case. If you choose not to accept these options, you may perform additional investigation and cleanup of the remaining contamination. Within 14 days please submit a letter to the Department documenting your intentions.

Mr. Jim Halron
August 26, 1999
Page 2

If you have any additional relevant information that was not formerly provided to the Department, you should submit this information to the Department for reevaluation. The Department appreciates the remedial action you have taken at this site. If you have any questions, please contact me in Green Bay at 920-492-5861.

Yours truly,

A handwritten signature in cursive script that reads "Alan Thomas Nass".

Alan Thomas Nass, P.G.
Hydrogeologist

cc: Mr. John Maas, P.E., MMA, Inc., 2304 Bel-Aire Court, Green Bay, Wisconsin 54136

DOCUMENT NO.

1407148

WARRANTY DEED

J 23369 I 28

THIS SPACE RESERVED FOR RECORDING DATA

REGISTER OF DEEDS
BROWN COUNTY

'94 MAY 6 PM 2 52

CATHY WILLIQUETTE
REGISTER OF DEEDS

JAMES RIVER PAPER COMPANY, INC., a Virginia corporation

conveys and warrants to HALCO TERMINAL, INC., a Wisconsin corporation

the following described real estate in Brown County,
State of Wisconsin:

RETURN TO
J. F. Jaekels
P. O. Box 22250
Green Bay, WI 54305-2250

Tax Parcel No. 20-689-A

That part of Private Claim Forty-four (44), East side of Fox River, in the City of Green Bay, Brown County, Wisconsin, described as follows:

Commencing at the intersection of the centerline of Quincy Street with the South line of Private Claim 44, E.S.F.R.; thence South 65° 21' 24" East, 40.00 feet to the Easterly line of Quincy Street; thence North 25° 02' 33" East, 140.00 feet along said Easterly line to the point of beginning which is the Northwesterly corner of the property described in Volume 185 Deeds, page 347, Brown County Records; thence continuing North 25° 02' 33" East, 576.37 feet along said Easterly line; thence South 65° 21' 26" East, 1510.65 feet to the Westerly line of Angle Avenue; thence South 25° 02' 29" West, 576.37 feet along said Westerly line; thence North 65° 21' 24" West, 1510.66 feet along the Northerly line of Volume 185 Deeds, page 347 to the point of beginning. This being the property described in Volume 1080 Records, page 356, Brown County Records.

Together with all above-ground tanks, piping, loading racks, and improvements thereon.

TRANSFER
\$ 138.00
FEE

This is not homestead property

Exceptions to warranties: municipal and zoning ordinances, recorded building and use restrictions, easements and covenants of record, general taxes for and after the year of closing, and liens or encumbrances created by grantee.

Witnessed this 4th day of May, 1994.

JAMES RIVER PAPER COMPANY, INC.

By: Clifford A. Cutchins, IV (SEAL)

Attest: Stephen E. Hane (SEAL)

Senior VP Treasurer
Stephen E. Hane
ACKNOWLEDGMENT

STATE OF Virginia
City of Richmond
Personally came before me this 4th day of May, 1994

the above named Clifford A. Cutchins, IV, Senior Vice President, Secretary of James River Paper Company, Inc.
to me known to be the person above who executed the foregoing instrument and acknowledge the validity thereof.

Christine W. Partridge
Notary Public Richmond, VA
My Commission is permanent. (If not, state expiration date) November 30, 1997

AUTHENTICATION

Signature(s) _____

authenticated this _____ day of _____

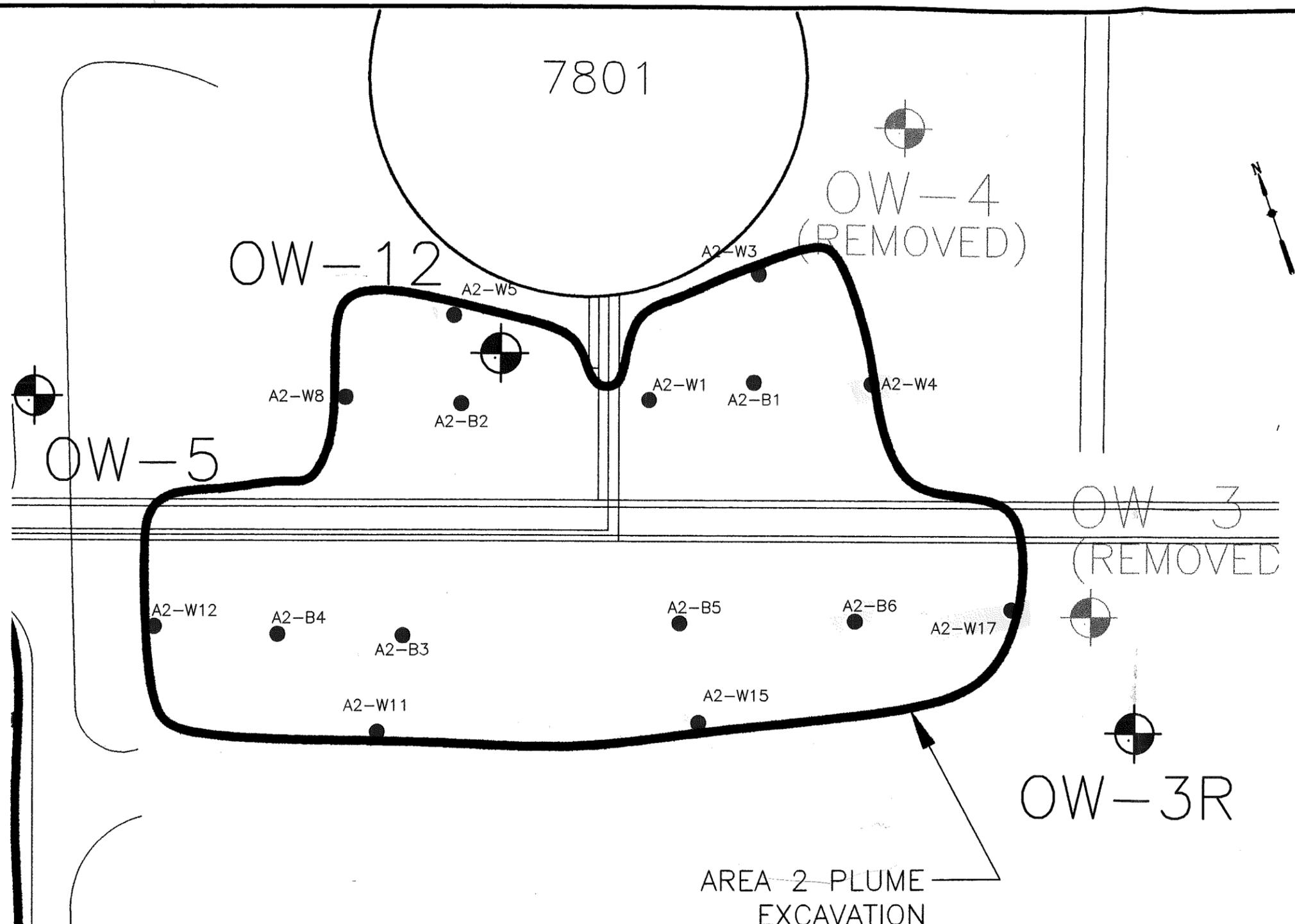
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
J. F. Jaekels
Green Bay, WI

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

I, Cathy Williquette, Brown County Register of Deeds, do hereby certify that this is a true and correct copy of the original record on file in the Brown County Register of Deeds Office, Green Bay, Wisconsin.
I herewith set my hand and official seal this _____ day of June, A.D. 1994

That part of Private Claim 44 on the east side of the Fox River in the City of Green Bay, Wisconsin, described as follows: Commencing at the point where the east line of North Quincy Street intersects the southerly line of said Private Claim 44 and running thence N. 26° 25' E, along the easterly line of North Quincy Street, 140.0 feet to the northerly line of a 64 foot strip of land deeded to the Wisconsin Public Service Corporation and recorded in Volume 185 of Deeds on page 347 Brown County Register of Deeds Office as a starting point, thence continuing N. 26° 25' E, along the easterly line of North Quincy Street, 576.7 feet; thence S 64° E, 1510.66 feet; thence S 26° 25' W, 576.7 feet to the northerly line of said 64 foot strip; thence N 64° W, along the northerly line of said 64 foot strip, 1510.66 feet to the starting point. Containing twenty (20) acres of land.



LEGEND

- | | | | |
|-----|--------------------------------------|--|------------------------|
| 500 | CONTOURS | | L.P. STORAGE TANK |
| | RAILROAD | | STORAGE TANK |
| | FENCE | | FORMER MONITORING WELL |
| | EXISTING MONITORING WELL | | FORMER MONITORING WELL |
| | POST EXCAVATION SOIL SAMPLE LOCATION | | FORMER MONITORING WELL |

Above WT
 Below WT
 > comm 46 Table 1
 > NR 720
 WT @ 578.9' - 580.5'

Site Plan
for
Halco Terminal, Inc.
Green Bay, Wisconsin

**POST-REMEDIATION SOIL
SAMPLE LOCATIONS**

MMA, INC.
CONSULTING ENGINEERS
2304 Bel-Aire Court
Green Bay, WI 54304
Phone: 920/592-9606 Fax: 920/592-9613

DRAWN BY: TEM

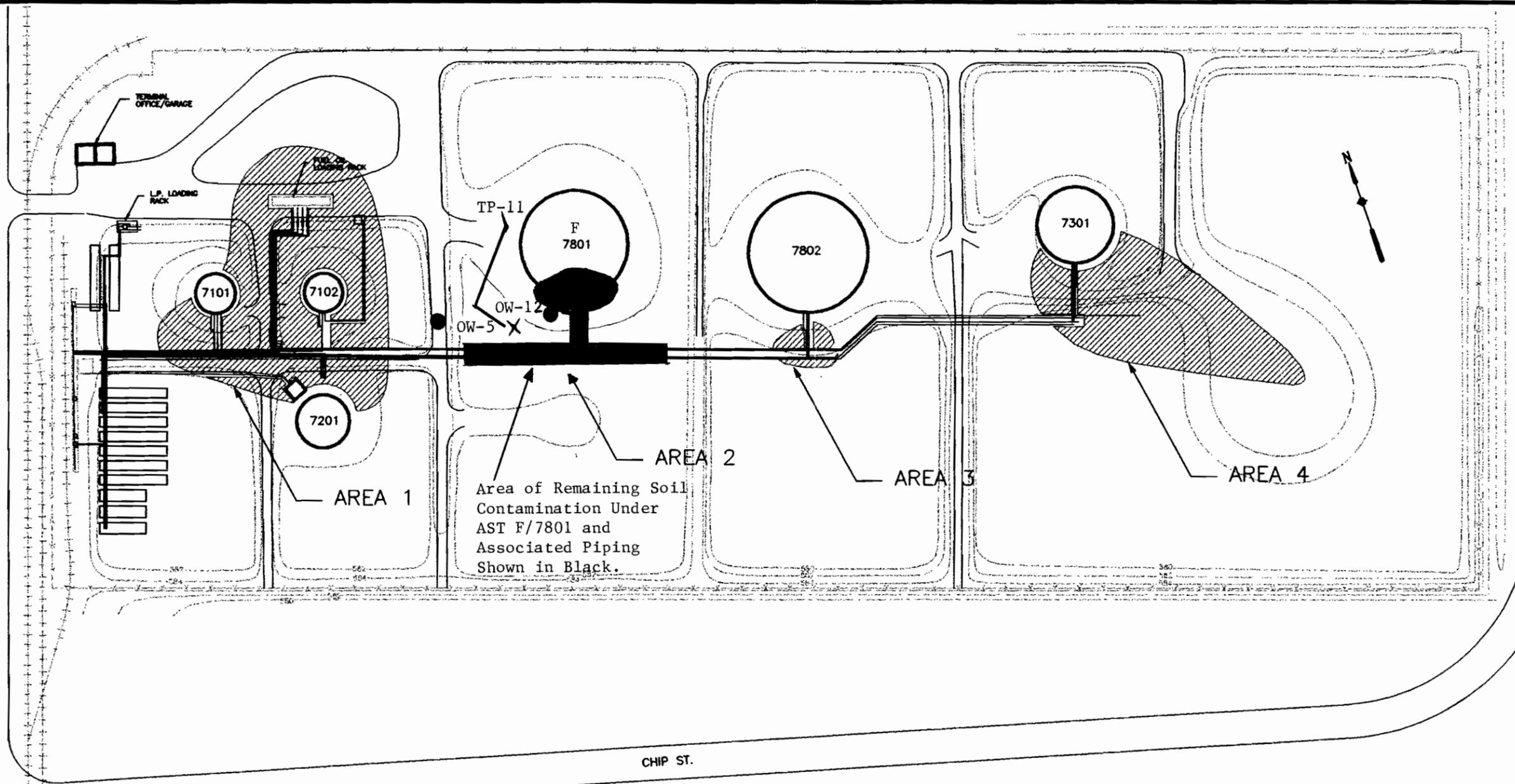
DATE: DEC., 1998

SCALE: 1" = 30'

DRAWING NO.

5

N. QUINCY ST.



AREA 2
 Area of Remaining Soil Contamination Under AST F/7801 and Associated Piping Shown in Black.

LEGEND

- 550 --- CONTOURS
- ++++ RAILROAD
- x- FENCE
- ▨ AREA TO BE EXCAVATED
- (G) STORAGE TANK
- TEST PIT
- MONITORING WELL
- ⊗ SOIL BORING

TANK REGISTRATION INFORMATION

TANK LETTER	MANUFACTURER TANK CODE	DILHR REG. NUMBER
A	55 gal DRUM	NA
B	55 gal DRUM	NA
FUEL OIL UST	NA	050400802
WASTE OIL UST	NA	050400801
C	7101	050400078
D	7102	050400079
E	7201	050400082
F	7801	050400080
G	NA	050400084
H	7802	050400081
I	7301	050400083
FORMER AST	71201	050400088
J-U	30,000gal LP AST	NA

Site Plan for Halco Terminal, Inc. Green Bay, Wisconsin

Monitoring Wells and Remaining Soil Contamination At Plume Number 2

2004 Bel-Aire Court
 Green Bay, WI 54904
 Phone: 920/592-9606 Fax: 920/592-9613

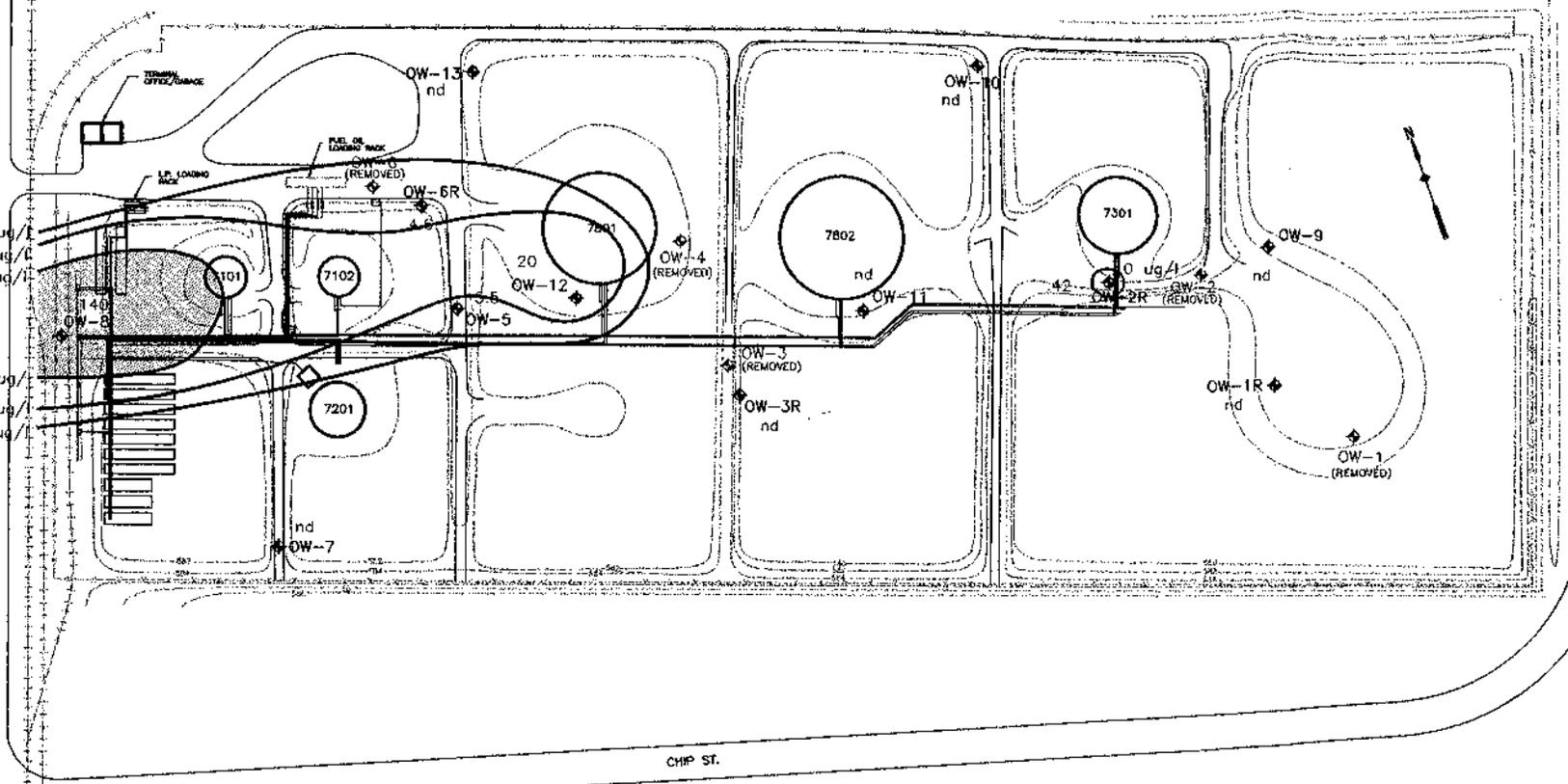
MMA, INC.
 CONSULTING ENGINEERS

DRAWN BY: TEM

DATE: DEC., 1998

DRAWING NO.

N. QUINCY ST.
100 ug/l
10 ug/l
0 ug/l



LEGEND

- CONTOURS
- +++++ WALKWAY
- FENCE
- OW-1R EXISTING MONITORING WELL
- U LP STORAGE TANK
- G STORAGE TANK
- OW-1R (REMOVED) FORMER MONITORING WELL

TANK REGISTRATION INFORMATION

TANK LETTER	MANUFACTURER TANK CODE	ULSER REG. NUMBER
A	50 gal DRUM	NA
B	50 gal DRUM	NA
FUEL OIL UST	NA	090400002
WASTE OIL UST	NA	090400001
C	7101	090400079
D	7102	090400078
E	7201	090400082
F	7801	090400083
G	NA	090400081
H	7802	090400081
I	7301	090400083
FORMER AST	71251	090400085

Site Plan
for
Halco Terminal, Inc.
Green Bay, Wisconsin

**GROUNDWATER CONTAMINATION
(AS OF JUNE, 1996)**

2004 Hal-Uge Cont.
Green Bay, WI 54304
Phone: 920/592-9806 Fax: 920/592-9813

MMA, INC.
CONSULTING ENGINEERS

DRAWN BY: JEM

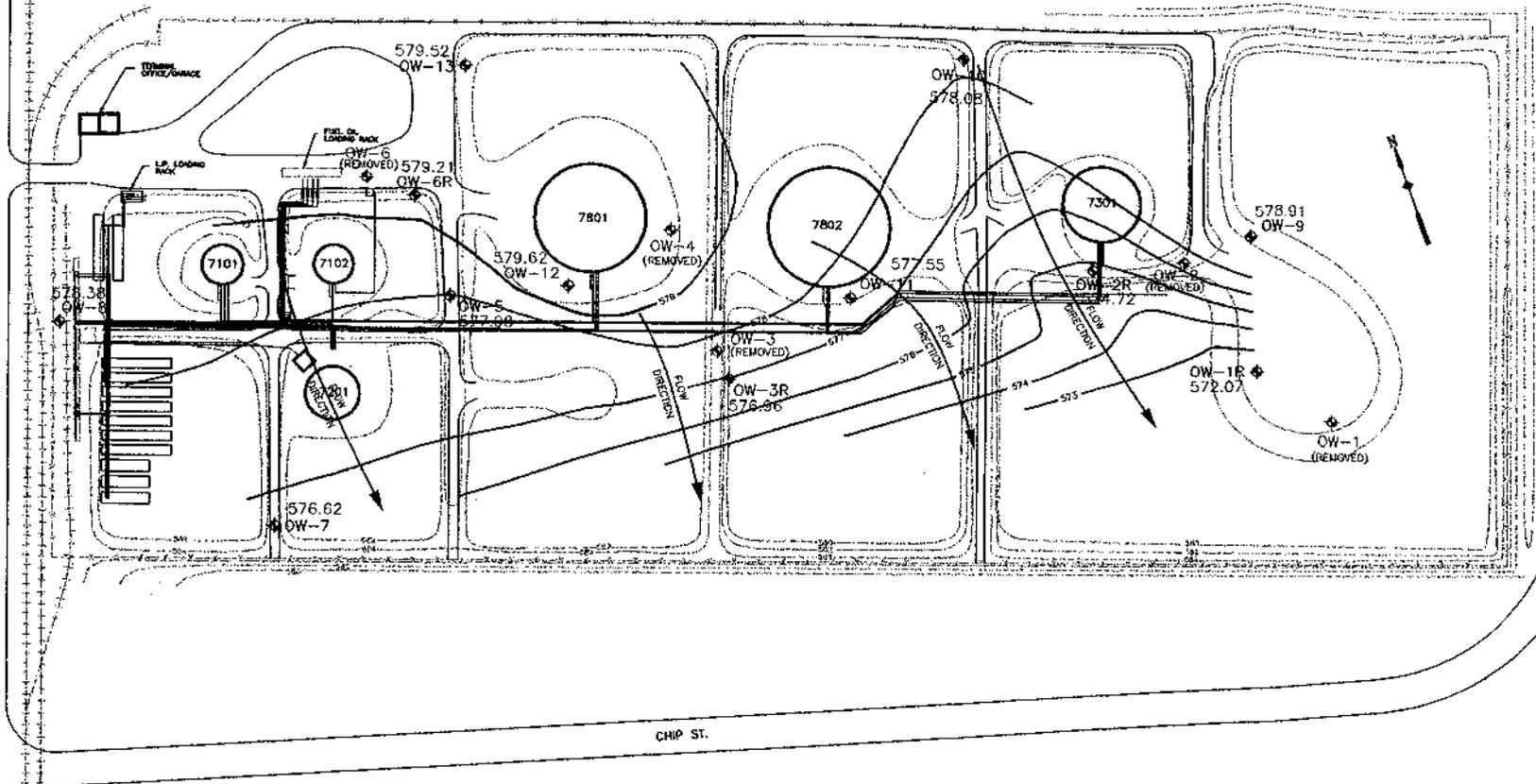
DATE: DEC., 1998

SCALE: 1" = 120'

DRAWING NO.

N. QUINCY ST.

CHIP ST.



LEGEND

- CONTOUR
- BUILDING
- FENCE
- OW-1R (REMOVED) EXISTING MONITORING WELL
- GROUNDWATER CONTOUR
- U L.P. STORAGE TANK
- G STORAGE TANK
- OW-1R (REMOVED) FORMER MONITORING WELL

TANK REGISTRATION INFORMATION

TANK LETTER	MANUFACTURER	DATE REG. NUMBER
A	85 and DREW	NA
B	85 and DREW	NA
FUEL OIL USE	NA	020400002
WASTE OIL USE	NA	020400001
D	7181	020400078
D	7102	020400076
E	7201	020400082
F	7201	020400080
G	86	020400084
H	7202	020400081
I	7201	020400083
FORMER AIR	71201	020400085
J-U	20,000 gal LP USE	NA

Site Plan
for
Halco Terminal, Inc.
Green Bay, Wisconsin

**GROUNDWATER ELEVATIONS
AND GROUNDWATER FLOW
DIRECTION (JUNE 18, 1998)**

2004 9th Ave. South
Green Bay, WI 54303
Phone 920/562-9900 Fax 920/562-9915

MMA, INC.
CONSULTING ENGINEERS

DRAWN BY: TDM

DATE: DEC., 1998

SCALE: 1" = 120'

DRAWING NO.

As per consultant
5/2/00 am

TABLE NO. 4 Post Remedial Soil

HALRON EAST TERMINAL

ANALYTICAL RESULTS FOR POST EXCAVATION SOIL SAMPLES

Sample No.	Date	Location	Depth	PID Results	DRO mg/kg	GRO mg/kg	Benzene ug/kg	Toluene ug/kg	Ethyl-benzene ug/kg	Total Xylenes ug/kg	Naphthalene ug/kg	MTBE ug/kg
A2-B1	12/7/95	278, 584	7	0.8	6.3	<0.9	<25	<25	<25	<50	<25	<25
A2-W1	12/7/95	273, 557	5	308	15	79	1280	1990	2460	1170	451	<25
A2-B2	1/17/96	272, 509	6.5	7.7	<3.5	<0.9	<25	<25	<25	<50	<25	<25
A2-W3	1/17/96	305, 585	5.5	0	<3.5	<0.9	<25	<25	<25	<50	<25	<25
A2-W4	1/17/96	277, 611	6	4.2	<3.4	<0.9	<25	<25	<25	<50	<25	<25
A2-W5	1/17/96	295, 507	6	2964	1360	1360	1440	2100	26800	93590	15300	<446
A2-W8	1/17/96	274, 480	5	118	30	10	<25	<25	252	193	55	<25
A2-B3	2/6/96	213, 495	9	7.1	13	<0.9	47	<25	<25	59	281	<25
A2-W11	2/8/96	189, 488	6	3.8	<3.5	<0.9	<25	<25	<25	<50	<25	<25
A2-W12	2/8/96	215, 431	6	0	<2.9	<0.9	<25	<25	<25	<50	<25	<25
A2-W15	2/9/96	191, 570	6	3.0	<3.5	<0.9	<25	<25	<25	<50	<25	<25
A2-B4	2/8/96	213, 463	9.5	4.7	9	<0.9	<25	<25	103	423	157	<25
A2-B5	2/9/96	216, 565	9	14.2	5.9	5.7	1200	470	1100	2924	37	<25
A2-B6	7/30/96	217, 611	9.5	0	<1.8	<0.89	<25	<25	<25	<50		<25
A2-W17	7/30/96	220, 651	6	4.3	7.6	<0.89	<25	<25	<25	<50		<25
NR 720					100/ 250	100/ 250	5.5	1500	2900	4100	2500 ^d	

- Above WT
- Below WT
- > COM 46 Table 1
- > NR 720
- WT @ 578.8' - 580.5'

□ PAL
 □ Lower 16 Feb. 01

TABLE NO. 5
 HALCO TERMINAL, INC.
 ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES (PAH)
 (Results are shown in ug/l)

ID	Date	Acc-naph-thene	Acc-naph-thylene	Anthracene	Benzo (a) anthracene	Benzo(a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (g,h,i) perylene	Chry-sene	Dibenzo (a,h) anthracene	Fluor-anthene	Fluor-ene	Ideno (1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenan-threne	Pyrene
MW-1R	9/15/97	<0.25	<10	<0.044	<0.27	<0.073	<0.045	<0.008	<0.42	<0.67	<0.37	<1.3	<0.56	<0.86	<0.2	<0.19	<0.062	<0.17	<0.18
MW-1R	4/3/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-1R	6/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-1R	9/23/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-2R	10/22/97	<0.25	<10	<0.044	<0.27	<0.073	<0.045	<0.008	<0.42	<0.67	<0.37	<1.3	<0.56	<0.86	<0.2	<0.19	<0.062	<0.17	<0.18
MW-2R	3/17/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	0.24	0.4	0.53	<0.054	<0.074
MW-2R	6/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	0.88	<0.14	<0.17	0.26	0.14	<0.046	0.27	<0.074
MW-2R	9/23/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-3R	9/15/97	<0.25	<10	<0.044	<0.27	<0.073	<0.045	<0.008	<0.42	<0.67	<0.37	<1.3	<0.56	<0.86	<0.2	<0.19	<0.062	<0.17	<0.18
MW-3R	3/17/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	0.058	0.14	0.39	<0.054	<0.074
MW-3R	6/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
Dup. 3	6/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-3R	9/23/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-5	3/17/98	0.063	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	0.14	0.15	0.23	<0.054	<0.074
MW-5	10/22/97	<0.25	<10	<0.044	<0.27	<0.073	<0.045	<0.008	<0.42	<0.67	<0.37	<1.3	<0.56	<0.86	<0.2	<0.19	<0.062	<0.17	<0.18
MW-5	6/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-5	9/23/98	0.065	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-5	12/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-5	3/16/99	1.3	<1.8	0.17	<0.047	<0.07	0.48	0.13	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	1.1	0.89	0.94	<0.058	<0.074
MW-6	9/15/97	1300	<100	15	13	<0.73	<0.45	<0.08	<4.2	21	<3.7	500	<5.6	<8.6	19000	23000	13000	740	700
MW-6R	3/17/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	0.074	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	0.1	0.063	0.33	<0.054	<0.074
MW-6R	6/18/98	0.17	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	0.11	<0.063	<0.046	<0.054	<0.074
MW-6R	9/23/98	0.062	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
Dup. 4	9/23/98	0.067	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-6R	12/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-6R	3/16/99	1.3	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-7	9/15/97	<0.25	<10	<0.044	<0.27	<0.073	<0.045	<0.008	<0.42	<0.67	<0.37	<1.3	<0.56	<0.86	0.84	1.2	0.27	<0.17	<0.18
Dup. 1	9/15/97	<0.25	<10	<0.044	<0.27	<0.073	<0.045	<0.008	<0.42	<0.67	<0.37	<1.3	<0.56	<0.86	0.68	0.86	0.23	<0.17	<0.18
MW-7	3/17/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-7	6/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-7	9/23/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-7	12/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054	<0.074
MW-7	3/16/99	<0.42	<1.8	<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	<0.058	<0.074
MW-8	9/15/97	32	<10	<0.044	<0.27	<0.073	<0.045	<0.008	<0.42	<0.67	<0.37	<1.3	3	<0.86	430	38	1.5	<0.18	<0.18
MW-8	3/17/98	0.14	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	0.25	0.4	<0.17	1.8	<0.063	0.25	0.19	<0.074
MW-8	6/18/98	0.23	<1.8	<0.037	<0.047	<0.07	0.1	<0.043	<0.22	<0.14	<0.2	0.25	0.14	<0.17	1.7	<0.063	<0.046	<0.054	<0.074
MW-8	9/23/98	0.11	<1.8	<0.037	<0.047	<0.07	0.1	<0.043	<0.22	<0.14	<0.2	0.25	0.14	<0.17	0.37	<0.063	<0.046	<0.054	<0.074
MW-8	12/18/98	0.29	<1.8	<0.037	<0.047	<0.07	0.1	<0.043	<0.22	<0.14	<0.2	0.25	0.14	<0.17	2.1	0.084	0.45	<0.054	<0.074
MW-8	3/16/99	1.3	<1.8	<0.037	<0.047	<0.07	0.1	<0.043	<0.22	<0.14	<0.2	0.25	0.14	<0.17	3.9	0.88	<0.59	0.34	<0.074

ES PAL 6/18/98 Table 9 - Cont.

ID	Date	Ace-naph-thene	Ace-naph-thylene	Anth-racene	Benzo (a) anth-racene	Benzo(a) pyrene	Benzo (b) fluoran-thene	Benzo (k) fluoran-thene	Benzo (g,h,l) 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
MW-9	9/15/97	<0.25	<10	<0.044	<0.27	<0.073	<0.045	<0.008	<0.42	<0.67	<0.37	<1.3	<0.56	<0.86	<0.2	<0.19	<0.062	<0.17
MW-9	3/17/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	0.056	<0.22	<0.14	<0.2	0.4	<0.14	<0.17	<0.047	<0.063	0.2	<0.054
Dup. 2	3/17/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
MW-9	6/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
MW-9	9/23/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
MW-10	9/15/97	<0.25	<10	<0.044	<0.27	<0.073	<0.045	0.092	<0.42	<0.67	<0.37	<1.3	<0.56	<0.86	<0.2	<0.19	<0.062	<0.17
MW-10	3/17/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
MW-10	6/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
MW-10	9/23/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
MW-11	9/15/97	<0.25	<10	<0.044	<0.27	<0.073	<0.045	<0.008	<0.42	<0.67	<0.37	<1.3	0.56	<0.17	<0.2	<0.19	<0.062	<0.17
MW-11	3/17/98	0.25	<1.8	0.073	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
MW-11	6/18/98	0.3	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
MW-11	9/23/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
MW-12	9/15/97	19	<10	1.2	<0.27	<0.073	<0.045	<0.008	<0.42	<0.67	<0.37	<1.3	22	<0.86	270	410	240	53
MW-12	3/17/98	45	<1.8	5.5	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	330	51	0.27	610	830	500	170
MW-12	6/18/98	7.6	<1.8	0.16	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	12	8	<0.17	110	140	230	41
MW-12	9/23/98	5.1	<1.8	0.2	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	64	8	35	2.2
MW-12	12/18/98	0.22	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	16	2.9	<0.17	81	14	100	5.7
MW-12	3/16/99	4.3	<1.8	0.18	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	21	3.2	<0.17	100	21	120	8.1
Dup. 6	3/16/99	5	<1.8	0.23	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	0.16	<0.054
MW-13	9/15/97	<0.25	<10	<0.044	<0.27	<0.073	<0.045	<0.008	<0.42	<0.67	<0.37	<1.3	<0.56	<0.86	<0.2	<0.19	<0.062	<0.17
MW-13	3/17/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	0.15	<0.063	<0.046	<0.054
MW-13	6/18/98	0.15	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
MW-13	9/23/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	0.09	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
MW-13	12/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	1.1	1.1	0.93	<0.058
Dup. 5	12/18/98	<0.42	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
MW-13	3/16/99	1.1	<1.8	<0.037	<0.047	<0.07	<0.1	<0.043	<0.22	<0.14	<0.2	<0.25	<0.14	<0.17	<0.047	<0.063	<0.046	<0.054
Draft PAH Limits ES/PAL				3000/600		0.2/0.02			0.2/0.02			400/80	400/80				40/8	25

Shaded - Significant Results
 All PAH limits are shown in DRAFT except Benzo(a)pyrene. Fluorene and Naphthalene
 Dup. 1- Collected from MW-7
 Dup. 2- Collected from MW-9
 Dup. 3- Collected from MW-3R
 Dup. 4- Collected from MW-6R
 Dup. 5- Collected from MW-13
 Dup. 6 - Collected from MW-12