

Source Property Information

BRRTS #: (No Dashes)

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)

Continuing Obligations:

- 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)

Note: Comments will not print out.

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 #: 02-16-221947 (No Dashes) PARCEL ID #: 01-801-03339-00

ACTIVITY NAME: Murphy Oil - Tank 8 WTM COORDINATES: X: 361708 Y: 692968

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 #: D-3 Title: Plat Map of Murphy Oil USA Inc. Property, Superior, WI
- 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: 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 #: D-2 Title: Refinery 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 #: 5 Title: Approx. Extent of Soil with Petr.-related Compounds Above NR 720 RCLs and/or NR 746 DC

BRRTS #: 02-16-221947

ACTIVITY NAME: Murphy Oil - Tank 8

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 #: 7 Title: Cross-section A-A' Showing Remaining Extent of Contaminated Soil and GW as of May 2008

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 #: 4 Title: Approx. Extent of Groundwater with Petr.-related Compounds Above NR 140 ESs

- 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 #: 3 Title: Site Plan with Groundwater Contour Map May 2008

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 #: 2 Title: Analytical Results for Soil Samples Collected from Former Tank 8 Basin

- 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 Title: Groundwater Analytical Results Former Tank 8 Release Site

- 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 #: 4 Title: Summary of Product and Water Levels and Volume of Product Purged from MWs

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 #: 02-16-221947

ACTIVITY NAME: Murphy Oil - Tank 8

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:

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Superior Service Center
1701 N. 4th Street
Superior WI 54880

COPY

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



August 3, 2012

Mr. Peter Fredman
Calumet Superior, LLC
2407 Stinson Avenue
Superior WI 54880

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Murphy Oil – Tank 8, 2400 Stinson Avenue, Superior, WI
WDNR BRRTS Activity #: 02-16-221947

Dear Mr. Fredman:

The Department of Natural Resources (DNR) considers the Murphy Oil – Tank 8 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 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 DNR Northern Region (NOR) Project Manager reviewed the request for closure on November 4, 2010. The project manager reviewed this environmental remediation case for compliance with state laws and standards. A conditional closure letter was issued by the DNR on November 9, 2010, and documentation that the conditions in that letter were met was received on August 2, 2012.

Tank 8 was formerly used to store fuel oil, and was removed in 1994. Several releases from tank 8 had been reported to the DNR. The releases resulted in soil and groundwater contamination. Responses included free product removal and groundwater monitoring. The conditions of closure and continuing obligations required were based on the property being used for industrial 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 enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.

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 NOR Regional DNR office, at 107 Sutliff Avenue, Rhinelander, WI 54501. This letter and information that was submitted with your closure request application 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>.

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 plans 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 (chs. NR 140 and 812, Wis. Adm. Code)

Groundwater contamination greater than enforcement standards is present on this contaminated property as shown on the attached map, Figure 4. 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, or ch. 289, Stats.; chs. 500 to 536, Wis. Adm. Code)

Soil contamination remains within the former tank 8 basin as indicated on the attached map, Figure 5. If soil in the specific locations described above 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.

Please send written notifications in accordance with the above requirements to the Superior office, to the attention of the NOR RR Project Manager.

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 me at 715-392-3126, or via email at erin.endsley@wisconsin.gov.

Sincerely,

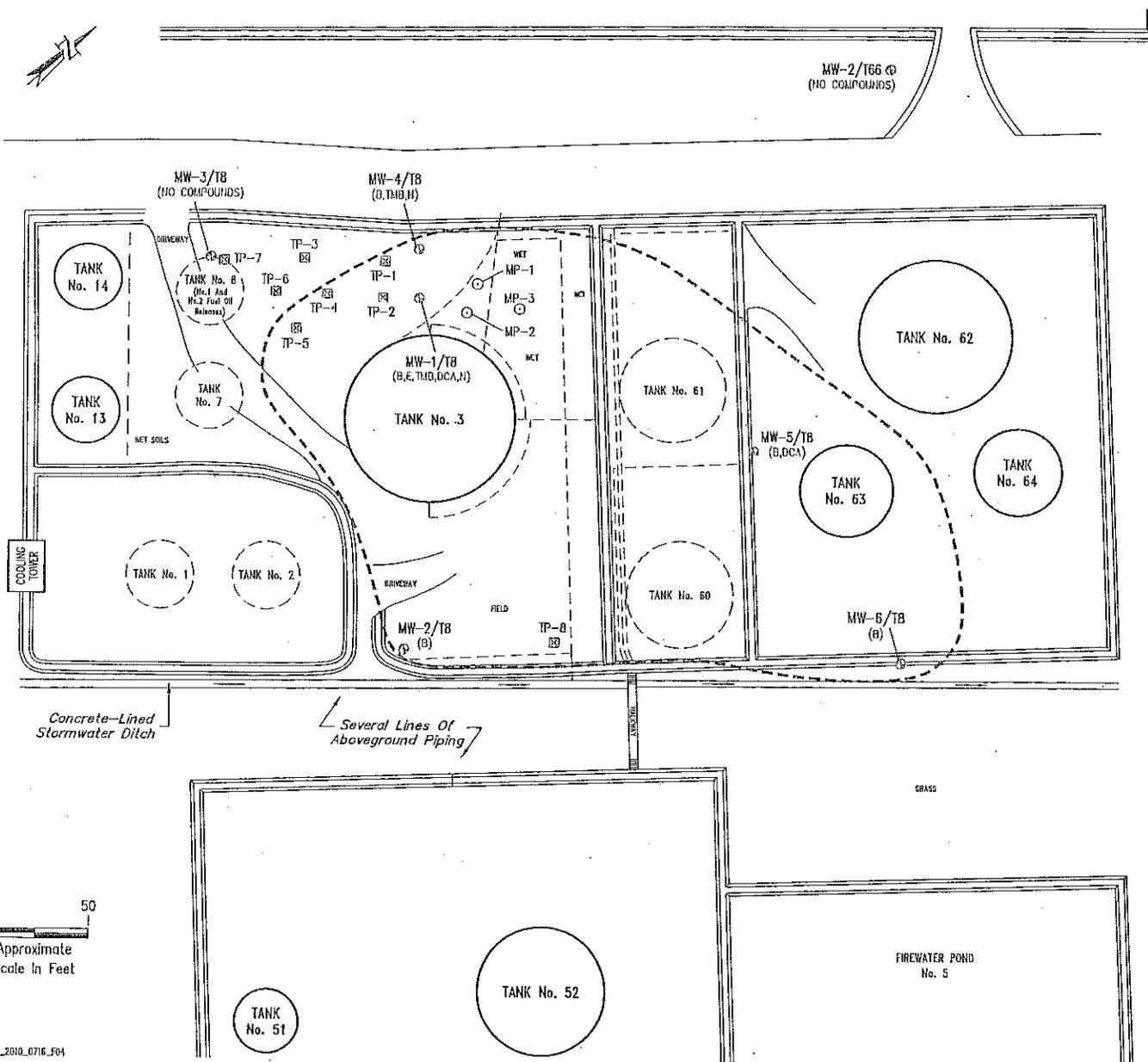
Erin Endsley

Erin Endsley
Hydrogeologist
Remediation & Redevelopment Program

Attachments:

- Figure 4, Former Tank 8 Site Plan with Approximate Extent of Groundwater with Petroleum-related Compounds Above NR 140 ESs
- Figure 5, Former Tank 8 Site Plan with Approximate Extent of Soil with Petroleum-related Compounds Above NR 720 RCLs and/or NR 746 Direct Contact Standards

cc: Jeff King, Gannett Fleming - email



LEGEND

- Approximate Extent Of Groundwater Above NR 140 ESs
- Monitoring Point Location (July 2001)
- ⊗ Gannett Fleming Test Pit Location (September 1999)
- ⊗ Gannett Fleming Test Pit Location (Abandoned)
- ⊗ Monitoring Well Location
- Aboveground Piping
- TANK No. 64 Tank Location
- TANK No. 8 Former Tank Location

COMPOUNDS	
B	BENZENE
E	ETHYLBENZENE
TB	TRIMETHYLBENZENE
DCA	1,2-DICHLOROETHANE
N	NAPHTHALENE

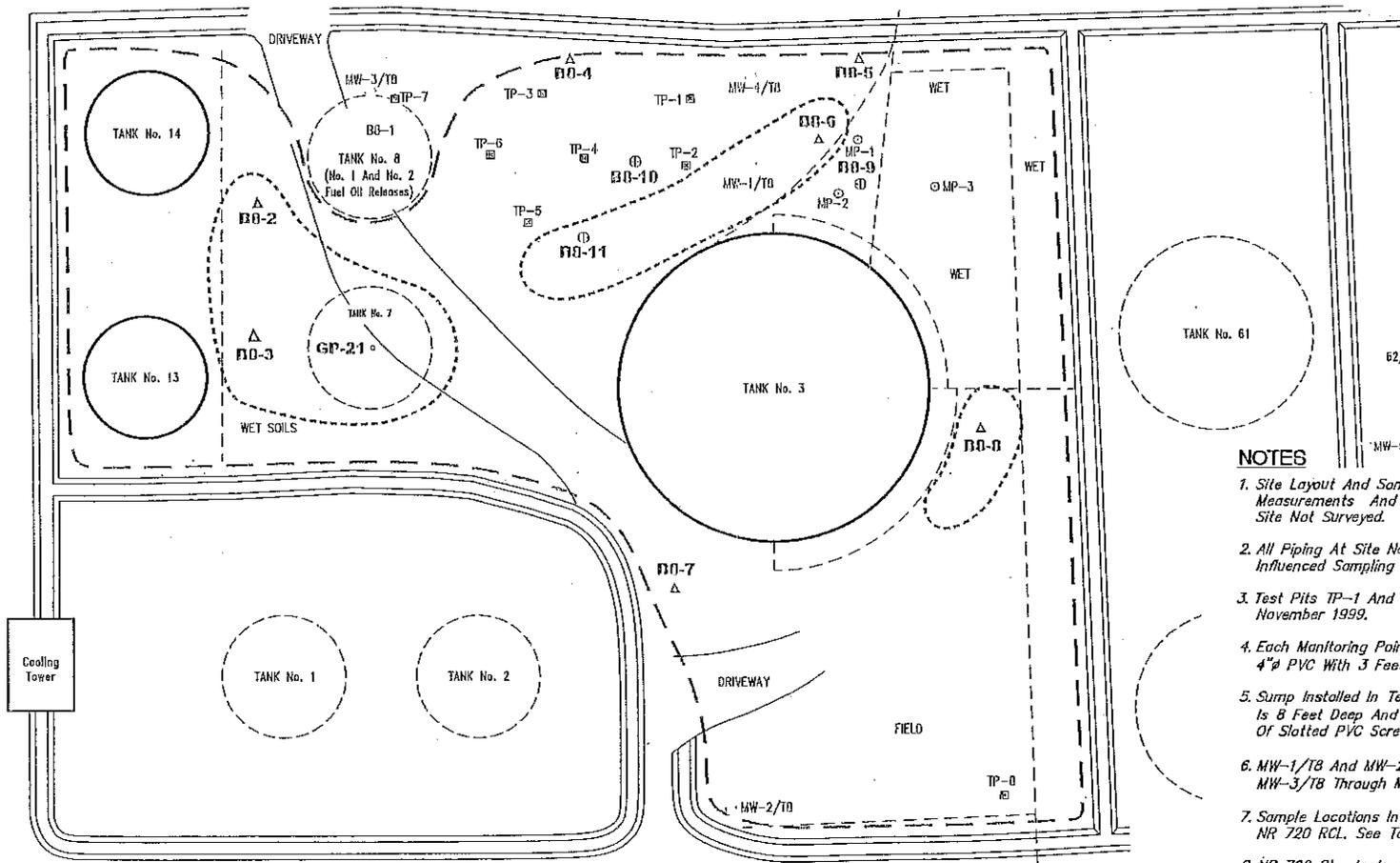
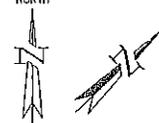
NOTES

1. Site Layout And Sample Locations Are Based On Field Measurements And Are To Be Considered Approximate; Site Not Surveyed.
2. All Piping At Site Not Shown; Only Piping Which Influenced Sampling Locations Is Depicted.
3. Test Pits TP-1 And TP-3 Through TP-8 Abandoned In November 1999
4. MW-1/TB Installed In June 1999 and MW-2/TB Through MW-5/TB Installed May 2002.
5. MW-6/TB Installed In May 2005.

FORMER TANK 8 SITE PLAN WITH APPROXIMATE EXTENT OF GROUNDWATER WITH PETROLEUM-RELATED COMPOUNDS ABOVE NR 140 ESs AND COMPOUNDS IN EACH WELL ABOVE NR 140 ESs AS OF MAY 2008
 MURPHY OIL USA, INC.
 SUPERIOR, WISCONSIN



REFINERY NORTH



NOTES

1. Site Layout And Sample Locations Are Based On Field Measurements And Are To Be Considered Approximate; Site Not Surveyed.
2. All Piping At Site Not Shown; Only Piping That Influenced Sampling Locations Is Depicted.
3. Test Pits TP-1 And TP-3 Through TP-8 Abandoned In November 1999.
4. Each Monitoring Point Is 7 Feet Deep And Consists Of 4" PVC With 3 Feet Of Slotted PVC Screen.
5. Sump Installed In Test Pit TP-2 In June 2000. Sump Is 8 Feet Deep And Consists Of 6" PVC With 4 Feet Of Slotted PVC Screen.
6. MW-1/TB And MW-2/TB Installed In June 1999 and MW-3/TB Through MW-5/TB Installed May 2002.
7. Sample Locations In **BOLD** Are Above An Applicable NR 720 RCL. See Table 2 For Specific Compounds.
8. NR 720 Standards Are For Soils Down To Water Table (About 1.5 Feet); NR 746 Direct Contact Standards Are For The Upper 4 Feet Of Soil.

LEGEND

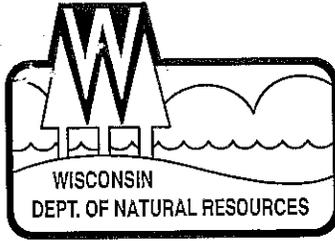
- | | | | | | |
|-------|--|---|---|------------|----------------------|
| --- | Approximate Extent Of Soil Above NR 720 RCLs | ⊙ | Gannett Fleming Soil Boring Location (August 1999) | --- | Aboveground Piping |
| - - - | Approximate Extent Of Soil Above NR 746 Direct Contact Standards | ○ | Monitoring Well Location (June 1999) | TANK No. 3 | Tank Location |
| ⊙ | Monitoring Point Location (July 2001) | Δ | Gannett Fleming Geoprobe Soil Sample Location (December 1998) | TANK No. 8 | Former Tank Location |
| Ⓜ | Gannett Fleming Test Pit Location (September 1999) See Notes 3 And 5 | ○ | Gannett Fleming Geoprobe Soil Sample Location (July 1998) | | |



Approximate Scale In Feet

FORMER TANK 8 SITE PLAN WITH APPROXIMATE EXTENT OF SOIL WITH PETROLEUM-RELATED COMPOUNDS ABOVE NR 720 RCLs AND/OR NR 746 DIRECT CONTACT STANDARDS

MURPHY OIL USA, INC.
SUPERIOR, WISCONSIN



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
John Gozdziński, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhineland, Wisconsin 54501-3349
Telephone 715-365-8900
FAX 715-365-8932
TTY Access via relay - 711

November 9, 2010

Ms. Liz Lundmark
Murphy Oil USA, Inc.
2407 Stinson Avenue
Superior, WI 54880

Subject: Conditional Closure Decision,
With Requirements to Achieve Final Closure
Murphy Oil – Tank 8, 2400 Stinson Avenue, Superior, Wisconsin
WDNR BRRTS Activity # 02-16-221947

Dear Ms. Lundmark:

On November 4, 2010, the Wisconsin Department of Natural Resources ("Department") Northern Regions Closure Committee ("Closure Committee") reviewed your request for closure of the case described above ("Site"). The Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After review of the closure request, the Department has determined that the petroleum contamination on the Site from the former above ground storage tank system appears to have 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:

- All wells including the monitoring wells associated with the Site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code.
- Any remaining waste generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated accordance with Wis. Stats. and Wisc. Adm. Code.

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 this site will be closed. Documentation of well abandonment must be submitted on Form 3300-005 found at <http://dnr.wi.gov/org/water/dwg/gw/> or provided by the Department. Please submit all documentation to project hydrogeologist John Sager.

Following final closure this site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. 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>. We noticed in our review that your consultant referenced "addressing" the contamination by placing the Site

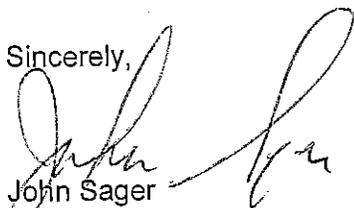
on
Ms. Liz Lundmark
Murphy Oil USA, Inc.
November 9, 2010
Page 2

the GIS Registry. You should be aware that the GIS Registry is not intended to be used in lieu of a remedial action, but rather as a way to record information about residual contamination once all necessary remedial actions have been implemented.

This Site 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 (715) 365-8959.

Sincerely,



John Sager
Hydrogeologist
Remediation & Redevelopment Program

cc: Mr. Jeff King, Gannett Fleming (electronic)

THIS INSTRUMENT, Made by Lake Superior Refining Co.,
 a Wisconsin corporation, grantor, of Douglas County, Wisconsin,
 hereby conveys and warrants to Murphy Corporation, a Louisiana
 corporation, grantee, whose principal office is in Eldorado,
 Union County, Arkansas, in accordance with the plan of complete
 liquidation and dissolution adopted by the Board of Directors
 and Stockholders of the grantor hereinabove mentioned, the
 following tracts of land and personal property in Douglas County,
 State of Wisconsin:

All of the following described lands being on
 West Twenty-third (23) Street, Townsite of
 Superior, in the City of Superior, Douglas
 County, Wisconsin:

All of Block Fifteen (15);
 All of Block Sixteen (16);
 North one-half (N $\frac{1}{2}$) of Block Seventeen (17);
 Southeast Quarter (SE $\frac{1}{4}$) of Block Seventeen (17);
 All of Block Eighteen (18);
 All of Block Nineteen (19), except Lots 314, 316,
 318 and 320 on West Twenty-second (22) Street
 in Bayfront Division;
 All of Block Twenty (20);
 All of Block Twenty-two (22), except Lots 343, 344,
 345, 346, 347, 348, 349, 350, 351 and 352 in Bay-
 front Division, a part of said Block Twenty-two (22);
 All of Block Twenty-four (24);
 All of Block Twenty-six (26);
 All of Block Twenty-eight (28);
 All of Block Thirty (30);

The following described Lots being on West Twenty-
 fifth (25) Street in the Townsite of Superior, in
 the City of Superior, Douglas County, Wisconsin:

All of Block Thirteen (13), subject to the Northern
 Pacific Railway Company easement for a right-of-
 way on Newton Avenue;
 All of Block Fourteen (14), subject to the Northern
 Pacific Railway Company easement for a right-of-
 way on Newton Avenue;
 All of Block Fifteen (15);
 All of Block Sixteen (16);
 All of Block Seventeen (17);
 All of Block Eighteen (18);
 All of Block Nineteen (19);
 All of Block Twenty (20);
 All of Block Twenty-one (21);

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All of Block Twenty-two (22);
All of Block Twenty-three (23);
All of Block Twenty-four (24);
All of Block Twenty-five (25);
All of Block Twenty-six (26);
All of Block Twenty-seven (27);
All of Fractional Block Twenty-eight (28);
All of Block Twenty-nine (29);
All of Block Thirty (30);

The following described Lot being on West Twenty-sixth (26) Street in the Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

All of Block Thirty-two (32);

The following described Lots being on West Twenty-seventh (27) Street in the Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

All of Block Nine (9);
All of Block Thirteen (13), subject to the Northern Pacific Railway Company easement for right-of-way on Newton Avenue;
All of Block Fourteen (14), subject to Northern Pacific Railway Company easement for right-of-way on Newton Avenue;
All of Block Fifteen (15);
All of Block Sixteen (16);
All of Block Seventeen (17);
All of Block Eighteen (18);
All of Block Nineteen (19);
All of Block Twenty (20);
All of Block Twenty-one (21);
All of Block Twenty-two (22);
All of Block Twenty-three (23);
All of Block Twenty-four (24);
All of Fractional Block Twenty-five (25);
All of Block Twenty-six (26);
All of Fractional Block Twenty-seven (27);
All of Block Twenty-eight (28);
All of Block Twenty-nine (29);
All of Block Thirty (30);
All of Block Thirty-one (31);
All of Block Thirty-two (32), subject to the Northern Pacific Railway Company easement for right-of-way on Newton Avenue;

The following described Lots being on West Twenty-ninth (29) Street in the Townsite of Superior, in the City of Superior, Douglas County, Wisconsin:

All of Block Seven (7);
All of Block Thirteen (13), subject to the Northern Pacific Railway Company easement for right-of-way on Newton Avenue;
All of Block Fourteen (14), subject to the Northern Pacific Railway Company easement for right-of-way on Newton Avenue;
All of Block Fifteen (15);

All of Block Sixteen (16);
All of Block Seventeen (17);
All of Block Eighteen (18);
All of Block Nineteen (19);
All of Block Twenty (20);
All of Block Twenty-one (21);
All of Block Twenty-two (22);
All of Block Twenty-three (23);
All of Block Twenty-four (24);
All of Block Twenty-five (25);
All of Block Twenty-six (26);
All of Block Twenty-seven (27);
All of Block Twenty-eight (28);
All of Block Twenty-nine (29);
That part of Block Thirty (30) lying East of the East line of the Wisconsin Central Railway Company right-of-way;
That part of Block Thirty-one (31) lying East of the East line of the Wisconsin Central Railway Company right-of-way;

Also the following easements:

1. A right-of-way easement five feet (5') in width for the purpose of laying, maintaining, operating, patrolling, altering, repairing, renewing and removing, in whole or in part, a six inch (6") supply pipe line for the transportation of crude petroleum from the storage tanks of the Lakehead Pipe Line Company, Inc. to the refinery owned and operated by Lake Superior Refining Co., together with the necessary fixtures, equipment and appurtenances over, through, upon, under, and across that portion of the Lakehead Pipe Line Company, Inc. property now traversed by said pipe line as it is presently laid and located; and as shown on the sketch or plat attached to that certain deed from Lakehead Pipe Line Company, Inc. to Superior Refinery Owners, Inc. dated July 23, 1952; and recorded in 232 of Deeds, page 231, in the office of the Register of Deeds for Douglas County, Wisconsin; said property being situated in Douglas County, Wisconsin; together with the rights of ingress and egress to and from said right-of-way through and over said above described land for any and all purposes necessary to the exercise by the grantees of the rights therein granted. Said easement to be effective as long as crude oil is taken through the pipe line system of Lakehead Pipe Line Company, Inc., subject to the restrictions contained in said easement deed.
2. That certain easement for a six inch (6") pipe line between Superior Refinery Owners, Inc. and the tank farm of the Lakehead Pipe Line Company, Inc. located in the City of Superior, Douglas County, Wisconsin, and described as follows: Commencing at a point on Twenty-sixth Avenue East and East Twenty-third Street; thence generally in an Easterly direction along the North property line

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of the Lakehead Pipe Line Company, Inc. to East Twentieth Street; thence in a South-westerly direction to Tank No. 5, a total distance of approximately eight hundred fifty (850) feet, in the City of Superior, Douglas County, Wisconsin; thence on East Twenty-third Street from the Lakehead Pipe Line Company, Inc. property line to Twenty-third Avenue East; thence beneath the tracks of the Northern Pacific Railway Company on Newton Avenue on Twenty-fifth Avenue East (formerly Newton Avenue) and the tracks of the Northern Pacific Railway Company's ore dock line between Twenty-fifth Avenue East and Twenty-sixth Avenue East along a line parallel with and distant ten (10) feet Southwesterly, measured at right angles, from the center line of East Twenty-third Street in the City of Superior, Douglas County, Wisconsin; and thence crossing Block Nine (9) on West Twenty-third Street and Block Ten (10) on West Twenty-first Street, in the City of Superior, according to the recorded plat thereof, along a line parallel with and distant two hundred forty (240) feet Southerly, measured at right angles, from the center line of the main track of the Northern Pacific Railway Company's Oregon dock line as now constructed; and crossing the Northern Pacific Railway Company's property in Block Seven (7) on West Twenty-first Street in the City of Superior, Douglas County, Wisconsin, along a line parallel with and distant twenty-seven (27) feet, more or less, Northeasterly, measured at right angles, from the Southwesterly line of said Block Seven (7), from the Northwesterly line of said Block Seven (7), to a point distant two hundred fifty (250) feet Southerly, measured at right angles, from said track center line; together with all easements, rights, contracts, grants, licenses, assignments, and permits of any nature, whether oral or written, and whether recorded or unrecorded, and all rights and interests arising out of adverse possession, or use of any kind or nature respecting the laying of pipe lines used in connection with the operation of said refinery and belonging to Lake Superior Refining Co., or in which it has some right, title or interest, and the maintenance, use, operation, repair, replacement and removal thereof upon, over, under and across the lands of others, and all pipe or pipes, pumps, compressors, motors, valves, controls, meters and all other equipment and apparatus constituting a part of or used in the operation of said pipe lines, including but not limited to said six inch (6") pipe line between the tank farm of said Lakehead Pipe Line Company, Inc. and said refinery of Lake Superior Refining Co.

3. That part of the West one-half (W $\frac{1}{2}$) of Section Thirty-six (36), Township Forty-nine (49) North, Range Fourteen (14) West, more fully described as follows: Commencing at the North Quarter (N $\frac{1}{4}$) corner of said Section Thirty-six (36), thence due South along the North-South quarter line, being the center line of Barton Avenue, a distance of 1456.64 feet to the South property line of Twenty-sixth (26) Avenue extended; thence South 48° 36' West along the South property line of Twenty-sixth Avenue, a distance of 481 feet to the point of beginning; thence continuing in the same straight line a distance of 1323.53 feet to a point; thence South 89° 46' West, a distance of 151.91 feet to a point; thence South 48° 36' West a distance of 162.43 feet to a point; thence South 41° 24' East, a distance of 751 feet to a point; thence North 48° 36' East, a distance of 1463.36 feet to a point on the West line of Barton Avenue; thence due North along the West line of Barton Avenue, a distance of 207.10 feet to a point; thence North 41° 24' West a distance of 493.66 feet to the point of beginning, containing 24.18 acres, more or less, all in the City of Superior, Douglas County, Wisconsin.

In the area covered by these descriptions most of the streets and alleys have been vacated. Where these descriptions abut on streets and alleys which have been vacated the title of Lake Superior Refining Co. extends to the center of such street or alley.

Also all buildings, structures, fixtures, machinery, equipment and tools comprising and used in and about the conduct and operation of the oil refinery of Lake Superior Refining Co., located upon the tracts of land above described or otherwise, and including but not limited to the following, to-wit:

1. STORAGE	CAPACITY (BBL'S)	CONSTRUCTION
<u>Present Tank Nos.</u>		
1, 2, 3 and 4	1,000 each	Welded
5 and 6	1,200 each	Welded
7, 8, 9, 10, 11 and 12	2,600 each	Welded
13 and 14	3,500 each	Welded
15 (formerly 62)	5,000	Welded
21 and 22	25,000 each	Welded
23, 26 and 27	217,000 each	Welded
30, 31, 32, 33, 34 and 35	5,000 each	Bolted
36 and 37	50,000 each	Welded
38 and 39	15,000 each	Welded

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<u>STORAGE</u>	<u>CAPACITY (BBLS)</u>	<u>CONSTRUCTION</u>
<u>Present Tank Nos.</u>		
40 and 41	5,000 each	Welded
42	56,000	Welded
50 (F-2)	500	Welded
51	2,300	Welded
52	9,500	Welded
53	20,000	Welded
54	25,000	Welded
60 and 61	5,000 each	Welded
63 and 64	10,000 each	Welded
65 and 66	16,500 each	Welded
67	20,000	Welded
68 and 69	48,000 each	Welded
80 and 81	1,200 each	Welded, insulated
82 and 83	1,800 each	Welded, insulated
84 and 85	2,500 each	Welded, insulated
86 and 87	16,500 each	Welded
88 and 89	35,000 each	Welded
90 and 91	36,000 each	Welded
92, 93, 94	1,700 each	Welded
96	250	Welded
F-1 (formerly B-1)	250	Welded
B-1	600	Welded
B-2	250	Welded

2. PLATFORMING UNIT - NO. 1

- a. Platforming furnace
- b. Reactors (3)
- c. Exchangers - heat
- d. Separator
- e. Compressors (2)
- f. Stabilizing tower
- g. Pumps and controls
- h. Platform control house
- i. Section drum
- j. Stripper tower
- k. Absorber tower
- l. Amine regenerator

PLATFORMING UNIT - NO. 2

- a. Platforming furnace
- b. Reactors (3)
- c. Unifiers
- d. Exchangers - heat
- e. Compressors (2)
- f. Stabilizing tower
- g. Pumps and controls
- h. Platform control house
- i. Section drum
- j. Stripper tower

3. CRUDE UNITS NO. 1 AND NO. 2

- a. Crude furnaces (2)
- b. Exchangers - heat
- c. Pumps and controls
- d. Crude Tower A
- e. Crude Tower B
- f. Condenser box and coils
- g. Receivers and caustic scrubbers

4. THERMAL CRACKING UNIT

- a. Cracking furnace
- b. Fractionating tower
- c. Reaction chamber
- d. Flash tower
- e. Stabilizing tower
- f. Exchangers - heat
- g. Condenser box and coils
- h. Pumps and controls
- i. Hot oil pump

5. ASPHALT UNIT

- a. Asphalt furnace
- b. Vacuum tower
- c. Oxidizing tower
- d. Exchangers - heat
- e. Pumps and controls

6. POLYMERIZATION UNIT

- a. Poly furnace
- b. Compressor
- c. Poly tower
- d. Exchanger - heat
- e. 2 Reactors

7. BUILDINGS

- a. Boiler house--contains two 35,000 lbs. per hour steam boilers
- b. Boiler house--contains two 10,000 lbs. per hour steam boilers
- c. Pump and control house
- d. Transfer pump house
- e. Linds treating house
- f. Office building and addition
- g. Warehouse building
- h. Ethyl house
- i. Hot oil pump house
- j. Asphalt control and pump house
- k. Truck loading racks (2)
- l. Employees change house and addition
- m. No. 2 Unit control house

8. RAILROAD SIDINGS

- a. Ethyl unloading siding
- b. Double track crude unloading and product loading siding

Together with all of the Lake Superior Refining Co.'s right, title and interest in and to any and all other buildings, structures, plants, facilities, fixtures and improvements and all other machinery, tools, apparatus, equipment, and all other personal property of whatsoever kind or nature now or hereafter located on the lands above described or located elsewhere and used or useful in connection with the conduct and operation of said refinery and pipe lines located on such lands and also any and all real property, rights, grants, liberties, estates, rights of way, servitudes, easements, franchises, privileges, immunities, consents, permits, patents and patent rights, licenses, leasing agreements, switch track agreements and leasing contracts now owned by Lake Superior Refining Co.

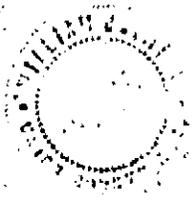
Subject to the rights of Lakehead Pipe Line Company, Inc. regarding some of the above captioned real estate to repurchase lands conveyed by Lakehead Pipe Line Company, Inc. upon discontinuance of the use of said lands for an oil refinery or allied purposes.

IN WITNESS WHEREOF, the said grantor has caused these presents to be signed by Russell Marks, its President, and attested by J. A. O'Connor, Jr., its Secretary, at El Dorado, Arkansas, and its corporate seal to be hereunto affixed this the 10th day of April, A. D. 1961, to be effective for all purposes as of 7:00 o'clock A. M. on January 1, 1961.

Signed and Sealed in presence of


LAKE SUPERIOR REFINING CO.
 By Russell Marks
 Russell Marks
 President.
 ATTEST:
J. A. O'Connor, Jr.
 J. A. O'CONNOR, JR.
 Secretary.

Personally came before me, this 10th day of April,
A. D. 1961, Russell Marks, President, and J. A. O'Connor, Jr.,
Secretary of the above named corporation, to me known to be the
persons who executed the foregoing instrument, and to me known
to be such President and Secretary of said corporation, and ac-
knowledged that they executed the foregoing instrument as such
officers as the deed of said corporation, by its authority.



William J. Wynne
Notary Public, Union County, Arkansas.
My Commission expires Sept. 1, 1962.

This instrument was drafted by
Paul L. Witkin, Attorney.

J.F. 11-23

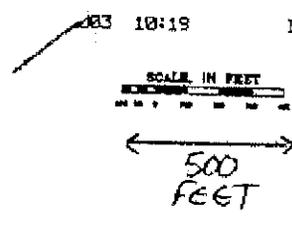
158215

RECORDED
INDEXED
MAY 15 1961
UNION COUNTY, ARKANSAS



- Former Tank 8 Area.

Figure D-3



DOUGLAS CITY REG OF DEEDS

715 395 1553 P. 03/03

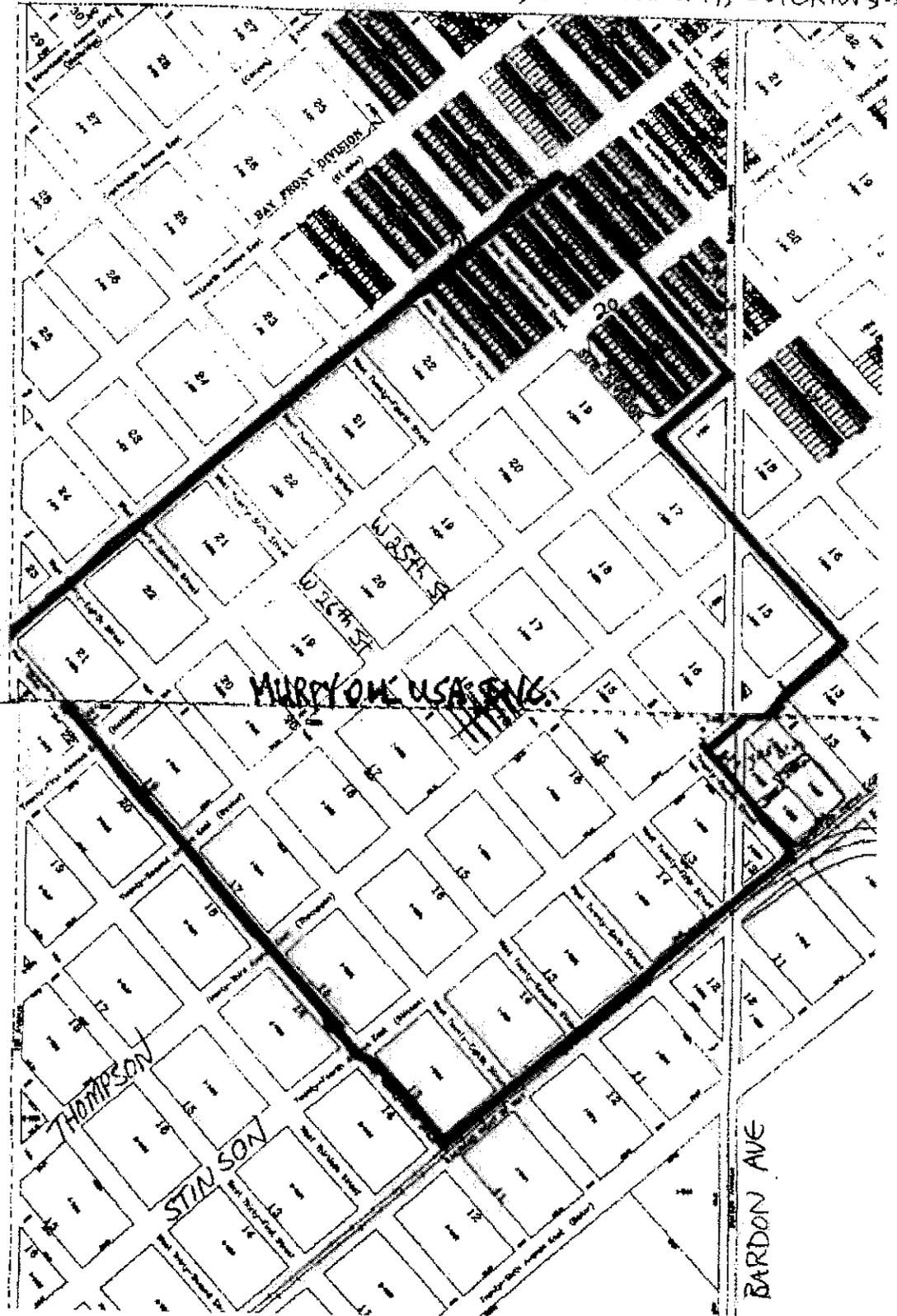
SOUTH 1/2 SEC. 25



Prepared By:
Douglas County Clerk's Office, R.W. Zerk
28 June 1992

PLAT MAP OF MURPHY OIL
USA, INC. PROPERTY, SUPERIOR, WI

Section 25
Section 36



MURPHY OIL USA, INC.
2400 STINSON AVENUE
SUPERIOR, WISCONSIN
TANK 8 BASIN RELEASE SITE
BRRTS No.: 02-16-221947
COMM No.: 54880-0456-07-E

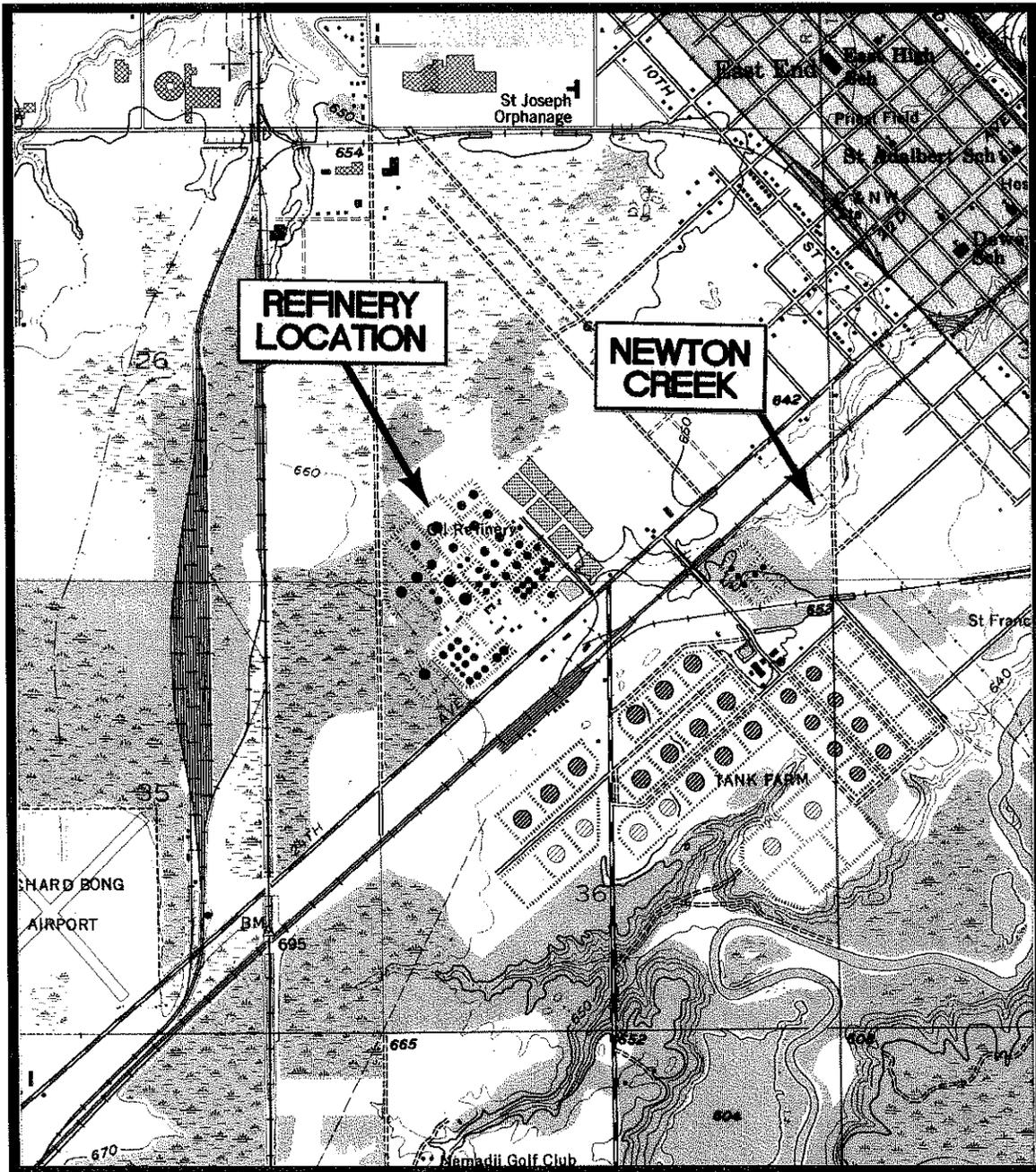
I hereby state that the legal description of the Murphy Oil refinery in Superior as stated in the deed dated January 1, 1961, and included as Attachment B-1 to this GIS Registry submittal is complete and accurate for all the property associated with the Tank 8 basin release site that has groundwater contamination that exceeded Ch. NR 140 enforcement standards or preventative action limits and soil that exceeded NR 720 and/or NR 746 standards at the time that closure was requested.

David J. Podratz
Printed Name

Refinery Manager
Title


Signature

10/21/04
Date



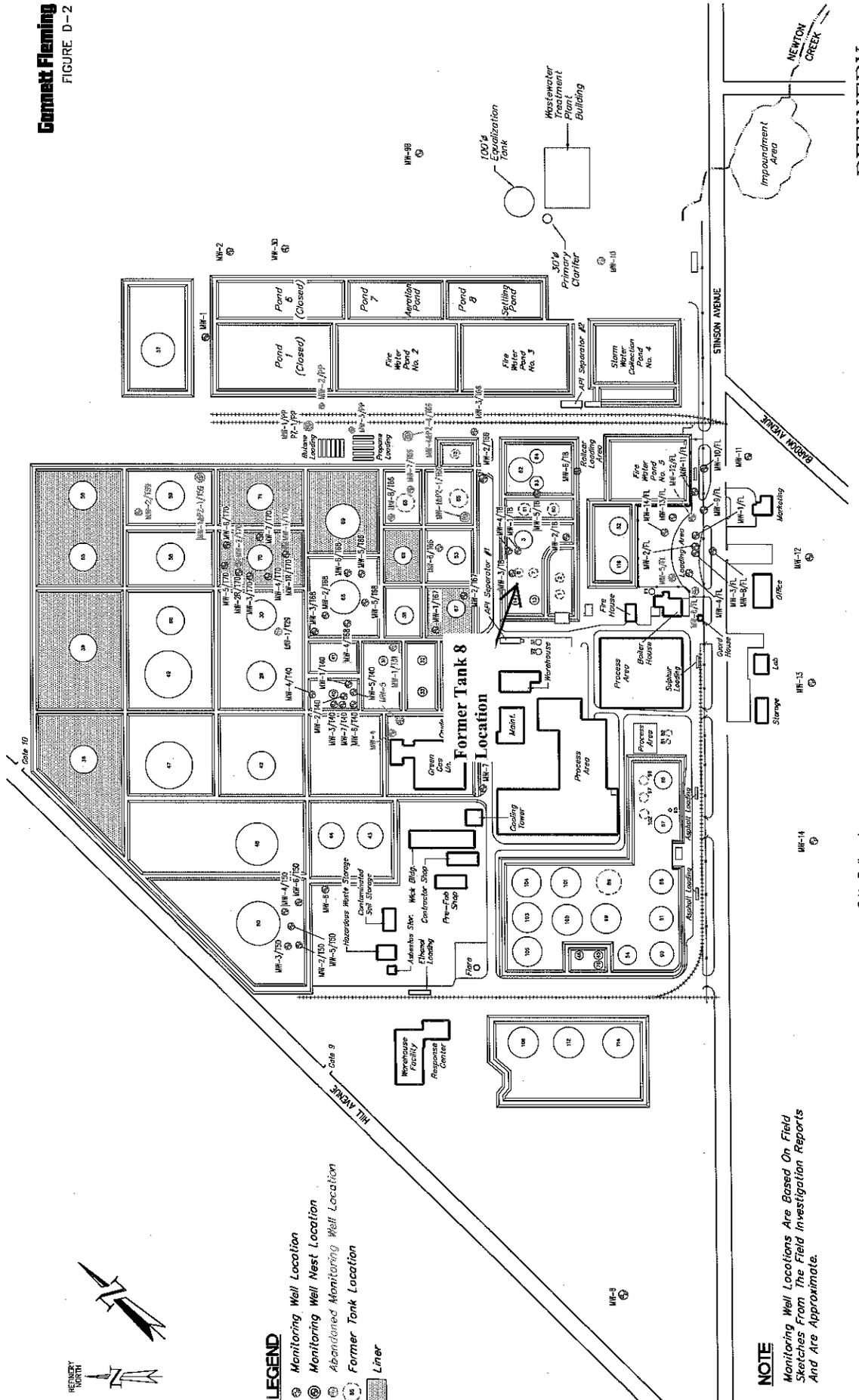
SCALE: 1 INCH = 2000 FEET
CONTOUR INTERVAL = 10 FEET

7.5 MIN TOPOGRAPHIC MAP
SUPERIOR, WISCONSIN
1954
PHOTOREVISED 1983

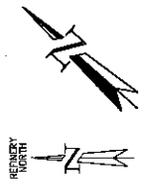


LOCATION MAP

MURPHY OIL USA, INC.
SUPERIOR, WISCONSIN



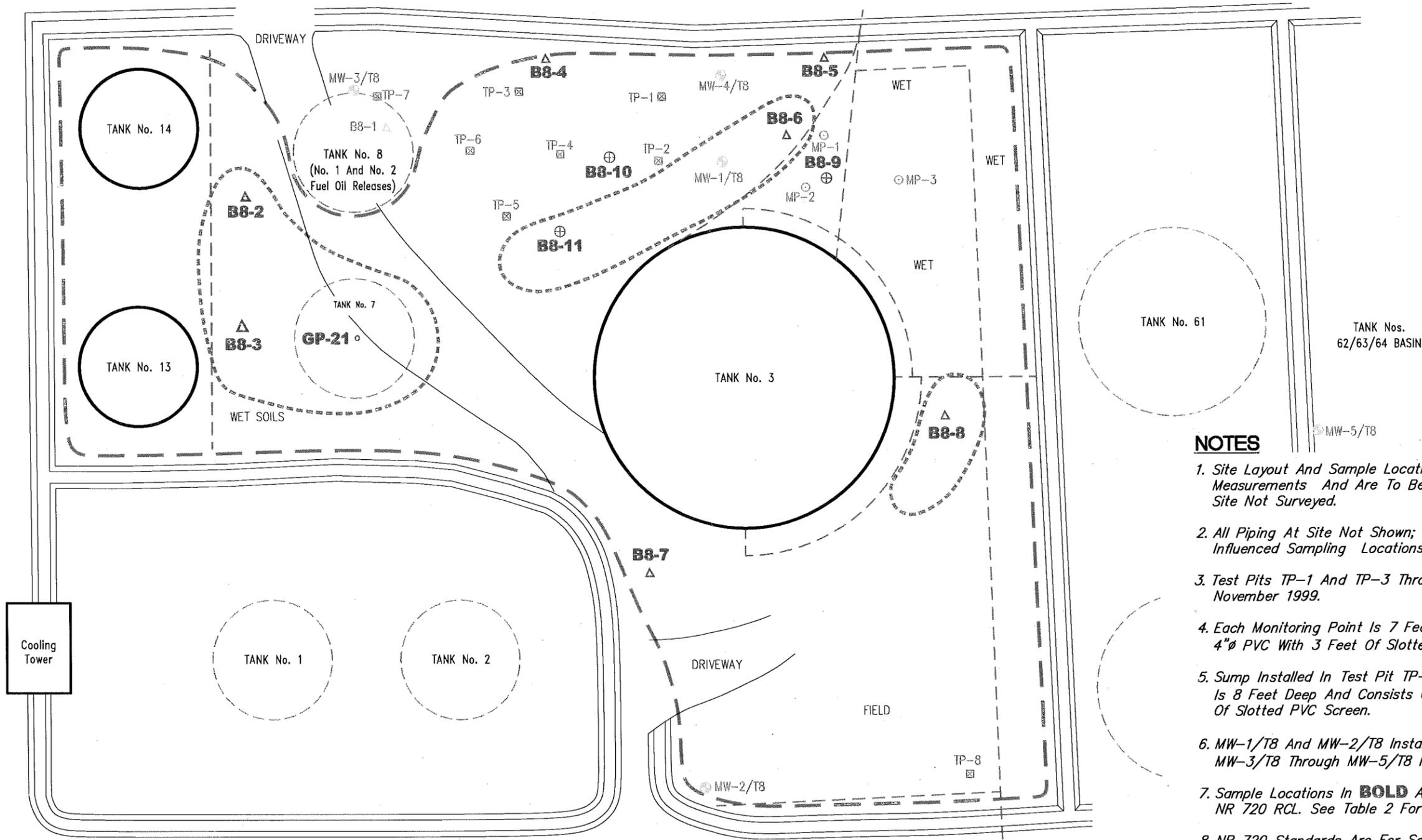
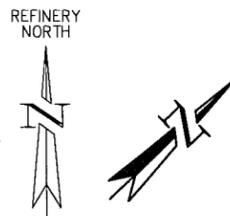
**REFINERY
SITE PLAN**
MURPHY OIL USA, INC
SUPERIOR, WISCONSIN



- LEGEND**
- ⊙ Monitoring Well Location
 - ⊙ Monitoring Well Nest Location
 - ⊙ Abandoned Monitoring Well Location
 - ⊙ Former Tank Location
 - ▭ Liner

NOTE
Monitoring Well Locations Are Based On Field Sketches From The Field Investigation Reports And Are Approximate.





NOTES

1. Site Layout And Sample Locations Are Based On Field Measurements And Are To Be Considered Approximate; Site Not Surveyed.
2. All Piping At Site Not Shown; Only Piping That Influenced Sampling Locations Is Depicted.
3. Test Pits TP-1 And TP-3 Through TP-8 Abandoned In November 1999.
4. Each Monitoring Point Is 7 Feet Deep And Consists Of 4"Ø PVC With 3 Feet Of Slotted PVC Screen.
5. Sump Installed In Test Pit TP-2 In June 2000. Sump Is 8 Feet Deep And Consists Of 6"Ø PVC With 4 Feet Of Slotted PVC Screen.
6. MW-1/T8 And MW-2/T8 Installed In June 1999 and MW-3/T8 Through MW-5/T8 Installed May 2002.
7. Sample Locations In **BOLD** Are Above An Applicable NR 720 RCL. See Table 2 For Specific Compounds.
8. NR 720 Standards Are For Soils Down To Water Table (About 1.5 Feet); NR 746 Direct Contact Standards Are For The Upper 4 Feet Of Soil.

LEGEND

- Approximate Extent Of Soil Above NR 720 RCLs
- - - - - Approximate Extent Of Soil Above NR 746 Direct Contact Standards
- Monitoring Point Location (July 2001)
- ⊗ Gannett Fleming Test Pit Location (September 1999) See Notes 3 And 5
- ⊕ Gannett Fleming Soil Boring Location (August 1999)
- Monitoring Well Location (June 1999)
- △ Gannett Fleming Geoprobe Soil Sample Location (December 1998)
- Gannett Fleming Geoprobe Soil Sample Location (July 1998)
- - - - - Aboveground Piping
- TANK No. 3 Tank Location
- TANK No. 8 Former Tank Location



FORMER TANK 8 SITE PLAN WITH APPROXIMATE EXTENT OF SOIL WITH PETROLEUM-RELATED COMPOUNDS ABOVE NR 720 RCLs AND/OR NR 746 DIRECT CONTACT STANDARDS
 MURPHY OIL USA, INC.
 SUPERIOR, WISCONSIN

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LEGEND

- Approximate Extent Of Groundwater Above NR 140 ESs
- Monitoring Point Location (July 2001)
- ⊠ Gannett Fleming Test Pit Location (September 1999)
- ⊠ Gannett Fleming Test Pit Location (Abandoned)
- Monitoring Well Location
- Aboveground Piping
- TANK No. 64 Tank Location
- TANK No. 8 Former Tank Location

COMPOUNDS	
B=	BENZENE
E=	ETHYLBENZENE
TMB=	TRIMETHYLBENZENE
DCA=	1,2-DICHLOROETHANE
N=	NAPHTHALENE

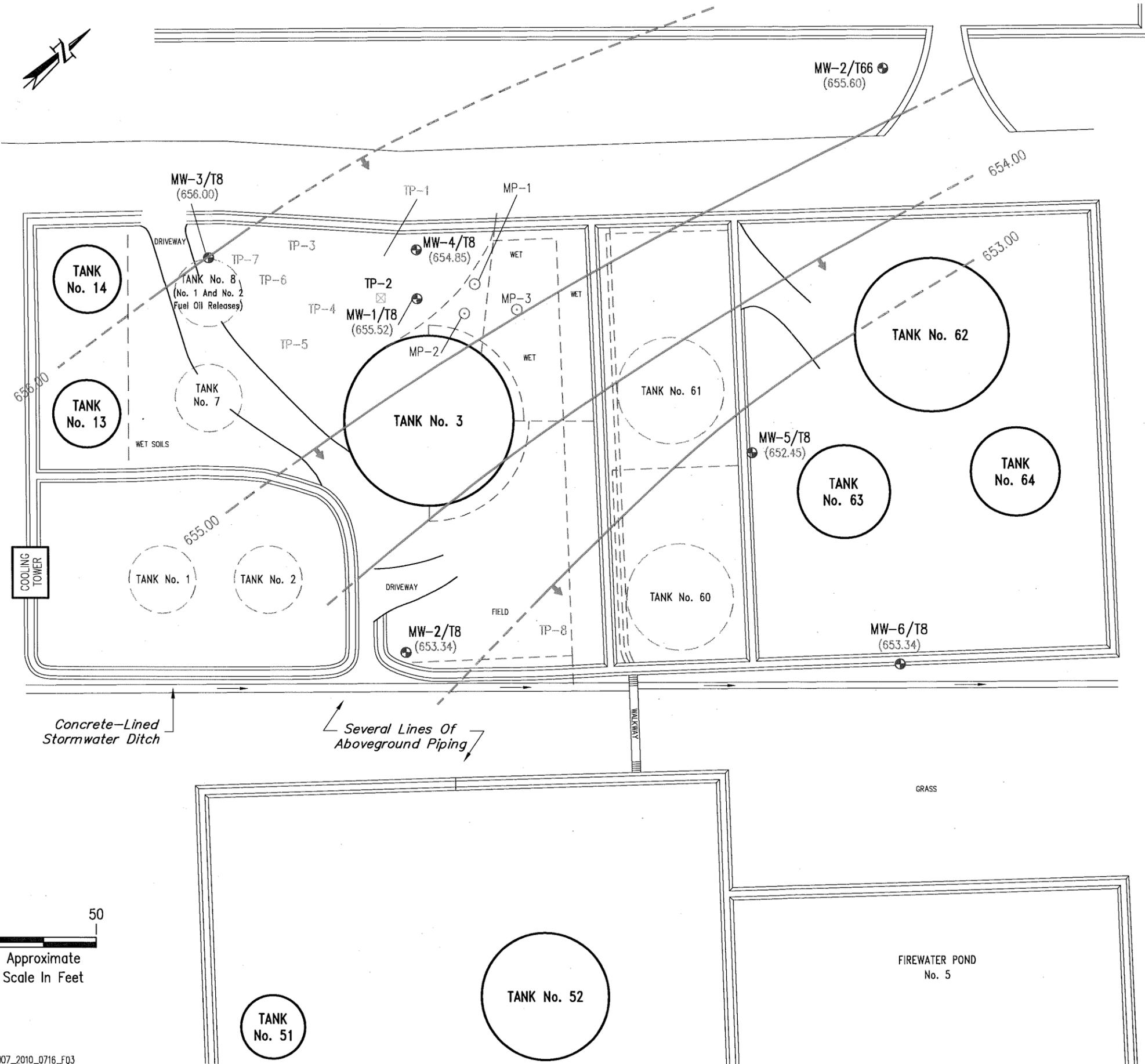
NOTES

1. Site Layout And Sample Locations Are Based On Field Measurements And Are To Be Considered Approximate; Site Not Surveyed.
2. All Piping At Site Not Shown; Only Piping Which Influenced Sampling Locations Is Depicted.
3. Test Pits TP-1 And TP-3 Through TP-8 Abandoned In November 1999
4. MW-1/T8 Installed In June 1999 and MW-2/T8 Through MW-5/T8 Installed May 2002.
5. MW-6/T8 Installed In May 2005.

FORMER TANK 8 SITE PLAN WITH APPROXIMATE EXTENT OF GROUNDWATER WITH PETROLEUM-RELATED COMPOUNDS ABOVE NR 140 ESs AND COMPOUNDS IN EACH WELL ABOVE NR 140 ESs AS OF MAY 2008
 MURPHY OIL USA, INC.
 SUPERIOR, WISCONSIN

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0 50
 Approximate Scale In Feet



LEGEND

- 654.00 — Groundwater Contour With Flow Direction (Dashed Where Inferred)
- (652.45) Groundwater Elevation (Ft. AMSL)
- Monitoring Point Location (July 2001)
- ⊗ Gannett Fleming Test Pit Location (September 1999)
- ⊗ Gannett Fleming Test Pit Location (Abandoned)
- Monitoring Well Location
- Aboveground Piping
- TANK No. 64 Tank Location
- TANK No. 8 Former Tank Location

NOTES

1. Site Layout And Sample Locations Are Based On Field Measurements And Are To Be Considered Approximate; Site Not Surveyed.
2. All Piping At Site Not Shown; Only Piping That Influenced Sampling Locations Is Depicted.
3. Test Pits TP-1 And TP-3 Through TP-8 Abandoned In November 1999.
4. MW-1/T8 Installed In June 1999 and MW-2/T8 Through MW-5/T8 Installed May 2002.
5. MW-6/T8 Installed In May 2005.
6. Groundwater Elevations Measured On May 12, 2008.

**SITE PLAN WITH
GROUNDWATER CONTOUR
MAP (MAY 2008)**
MURPHY OIL USA, INC.
SUPERIOR, WISCONSIN

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MURPHY OIL USA, INC
SUPERIOR, WISCONSIN

TABLE 2

ANALYTICAL RESULTS FOR SOIL SAMPLES COLLECTED FROM FORMER TANK 8 BASIN

Parameter	Sample I.D. and Depth												NR 720 RCL	NR 746 Direct- Contact Standard in Upper 4 Feet of Soil	NR 746 Indicators of Residual Petroleum Product in Soil Pores
	B8-1		B8-2		B8-3		B8-4		B8-5		B8-6				
	1-2 ft.	4-5 ft.	1-2 ft.	4-5 ft.	1-2 ft.	4-5 ft.	1-2 ft.	4-5 ft.	1-2 ft.	4-5 ft.	1-2 ft.	4-5 ft.			
DRO	120	720	1,000	710	2,800	2,000	1,900	1,200	400	360	330	140	250	NS	NS
Benzene	<0.025	<0.25	<0.25	<0.50	<0.50	<0.50	<0.50	<0.25	<0.025	<0.50	49	8.8	0.0055	1.1	8.5
Ethylbenzene	<0.025	2	3.3	3.9	5.4	2.2	2.7	1.4	0.1	4	19	13	2.9	4.6	4.6
Toluene	<0.025	0.44	0.93	<0.50	<0.50	<0.50	<0.50	<0.25	0.059	<0.50	<0.50	<0.25	1.5	38	38
Total Xylenes	<0.050	7.5	7.8	3.9	24.5	4.8	12.3	4.8	0.27	12	56	74	4.1	42	42
Trimethylbenzenes	<0.050	47	37	19.9	48	43	34	23	0.5	45	134	49	NS	94	94
MTBE	<0.025	<0.25	<0.25	<0.50	<0.50	<0.50	<0.50	<0.25	<0.025	<0.50	<0.50	0.59	NS	NS	NS
Detected Polynuclear Aromatic Hydrocarbons															
Acenaphthene	<0.048	<0.24	<0.24	<0.096	<1.2	<0.48	<0.048	<0.10	<0.051	<0.048	<0.24	<0.048	NS	NS	NS
Anthracene	<0.023	<0.12	<0.12	<0.046	<0.58	<0.23	<0.023	<0.046	<0.023	<0.023	<0.12	<0.023	NS	NS	NS
Benzo(a)pyrene	0.054	<0.0075	<0.0075	<0.0030	<0.038	<0.015	<0.0015	<0.0030	<0.0015	<0.0015	<0.0075	<0.0015	NS	NS	NS
Benzo(b)fluoranthene	0.034	<0.0075	<0.0075	<0.0030	<0.038	<0.015	0.16	<0.0030	<0.0015	<0.0015	<0.0075	<0.0015	NS	NS	NS
Chrysene	<0.092	<0.46	<0.46	<0.18	<2.3	<0.92	<0.092	<0.18	<0.092	<0.092	<0.46	<0.092	NS	NS	NS
Fluoranthene	<0.0049	1.6	2.1	0.55	5.9	<0.049	<0.0049	0.68	<0.0049	0.68	1.5	0.29	NS	NS	NS
Fluorene	<0.0086	<0.043	<0.043	<0.017	<0.22	<0.086	<0.0086	<0.017	<0.0086	<0.0086	<0.043	<0.0086	NS	NS	NS
Phenanthrene	<0.0035	0.5	0.78	0.27	2.9	0.81	<0.0035	0.22	<0.0035	0.3	0.96	0.069	NS	NS	NS
Pyrene	0.014*	1.8	2.4	0.59	6.5	2.1	0.032	0.7	<0.0062	0.75	<0.031	0.52	NS	NS	NS
Naphthalene	<0.031	0.93	2.7	0.17	8.6	0.39	<0.031	0.6	<0.031	0.73	5.1	0.17	NS	2.7	2.7
1-methyl naphthalene	<0.047	5.1	13	3.8	41	9	<0.047	2.3	<0.047	2.6	11	0.45	NS	NS	NS
2-methyl naphthalene	<0.031	7.3	11	3	40	10	<0.031	3.3	<0.031	3.4	13	0.75	NS	NS	NS

TABLE 2

ANALYTICAL RESULTS FOR SOIL SAMPLES COLLECTED FROM FORMER TANK 8 BASIN

Parameter	Sample I.D. and Depth												NR 720 RCL	NR 746 Direct- Contact Standard in Upper 4 Feet of Soil	NR 746 Indicators of Residual Petroleum Product in Soil Pores
	B8-7		B8-8		B8-9		B8-10		B8-11		GP-21				
	1-2 ft.	4-5 ft.	1-2 ft.	4-5 ft.	1-1.5 ft.	4.5-5 ft.	1-1.5 ft.	4.5-5 ft.	1-1.5 ft.	4.5-5 ft.	1-1.5 ft.	4.5-5 ft.			
DRO	38	1300	98	110	1008	564	7055	176	9551	164	1200	500	250	NS	NS
Benzene	0.045	0.72*	2.4	<1.2	0.441	0.328	<0.549	0.491	<0.217	0.133	<0.95	<0.19	0.0055	1.1	8.5
Ethylbenzene	0.21	8	3.9	5.3	<0.251	0.711	5.807	0.911	0.913	0.6	<0.55	<0.11	2.9	4.6	4.6
Toluene	<0.025	<0.50	0.37	<1.2	<0.251	0.121	<1.098	<0.263	<0.435	0.327	<0.55	<0.11	1.5	38	38
Total Xylenes	0.2	30	14	27	<0.501	4.296	4.983	2.665	1.347	2.157	<1.7	<0.34	4.1	42	42
Trimethylbenzenes	0.56	64	13	19	2.847	3.651	30.838	3.456	13.856	3.272	58	8.3	NS	94	94
MTBE	<0.025	<0.50	<0.25	<1.2	<0.251	<0.032	<1.098	<0.263	<0.435	<0.035	<0.45	<0.090	NS	NS	NS
Detected Polynuclear Aromatic Hydrocarbons															
Acenaphthene	<0.048	<0.24	<0.048	<0.048	0.0098*	<0.0038	<0.0032	<0.0038	0.367	<0.004	<0.048	<0.048	NS	NS	NS
Anthracene	<0.023	<0.12	<0.023	<0.023	0.0375	0.00556*	<0.0035	<0.0042	<0.035	<0.0044	<0.023	<0.023	NS	NS	NS
Benzo(a)pyrene	<0.0015	<0.0075	<0.0015	<0.0015	<0.0051	<0.0053	<0.0045	<0.0054	<0.045	<0.0057	<0.0015	<0.0015	NS	NS	NS
Benzo(b)fluoranthene	0.31	<0.0075	<0.0015	<0.0015	<0.003	<0.0031	<0.0026	<0.0032	<0.026	<0.0033	<0.0015	<0.0015	NS	NS	NS
Chrysene	0.22*	<0.46	<0.092	<0.092	<0.002	<0.0021	<0.0018	<0.0021	<0.017	<0.0022	<0.092	<0.092	NS	NS	NS
Fluoranthene	0.28	1.1	0.073	0.081	<0.0033	<0.0034	<0.0029	<0.0034	<0.028	<0.0036	<0.0049	<0.0049	NS	NS	NS
Fluorene	<0.0086	<0.043	<0.0086	<0.0086	0.0321	0.0554	1.67	0.0113*	1.89	0.0194	0.89	0.48	NS	NS	NS
Phenanthrene	0.13	0.24	<0.0035	<0.0035	0.0305	0.099	3.02	0.0274	1.8	0.0358	0.72	0.4	NS	NS	NS
Pyrene	0.71	1.6	0.066	0.069	0.316	<0.0048	<0.0041	<0.0049	<0.04	<0.0051	<0.0062	<0.0062	NS	NS	NS
Naphthalene	<0.031	<0.16	<0.031	0.11	<0.0015	0.194	0.271	0.0464	3.57	0.024	2.9	1.3	NS	2.7	2.7
1-methyl naphthalene	0.51	1.2	<0.047	<0.047	0.0383	0.556	4.24	0.098	11.8	0.0572	7.2	4.2	NS	NS	NS
2-methyl naphthalene	0.44	2.3	0.081*	0.18	0.0247	0.775	4.5	0.151	15.9	0.0846	11	5.9	NS	NS	NS

NOTES:

Sample GP-21 collected in July 1998.

Samples B8-1 through B8-8 collected in December 1998.

Samples B8-9 through B8-11 collected in August 1999.

Results reported in units of milligrams per kilogram (mg/kg) on a dry-weight basis.

Results in bold are above applicable NR 720 RCL.

Results in bold and underlined are above applicable NR 746 standard.

NR 720 RCL = Wisconsin Administrative Code NR 720 residual contaminant level.

* = Reported concentration below the Quantitation Limit.

MURPHY OIL USA, INC
SUPERIOR, WISCONSIN

TABLE 1

GROUNDWATER ANALYTICAL RESULTS
FORMER TANK 8 RELEASE SITE

Well ID and Sample Date	DRO	GRO	Benzene	Ethyl-benzene	Toluene	Xylenes	Trimethyl-benzenes	1,2-Dichloro-ethane	1,2-Dichloro-propane	Naphthalene
MW-1/T8										
12/10/1999	147,000	36,900	6,010	2,920	1,180	20,210	5,160	<37.5	<37.5	1,640
3/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/14/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/6/2002	NA	33,000	11,000	1,900	380 J	12,000	2,730	NA	NA	290
9/12/2002	NA	33,000	7,300	1,700	170	10,900	2,710	NA	NA	470
3/12/2003	NA	39,000	12,000	2,200	160 J	12,700	2,780	NA	NA	300
7/26/2005	NA	NA	10,400	1,010	51.5	15,250	5,720	<40.0	<40.0	235
11/9/2005	NA	23,800	8,810	897	<30.0	12,250	4,307	<40.0	<40.0	197
5/10/2006	NA	25,600	8,270	712	<60.0	8,760	3,418	<80.0	<80.0	250 J
11/16/2006	NA	20,600	6,030	33 J	<80	6,610	2,960	107	<20	227 J
11/16/2006 Dup	NA	28,900	6,750	123	<80	8,600	5,550	133	<20	NA
5/23/2007	NA	21,600	2,970	12 J	<40.0	3,052	2,254	<20.0	<20.0	NA
11/15/2007	NA	69,200	1,820	<10.0	<40.0	2,132	1,124	42 J	<20.0	135 J
5/27/2008	NA	15,200	4,060	2,030	<40.0	2,936	1,909	85.2 J	<30.0	166 J
MW-2/T8										
12/10/1999	14,800	15,300	39.3	14.9	3.23	55.3	126	<0.75	<0.75	14.9
3/15/2000	NA	1,400	33	14	2.4	5.1	85	NA	NA	3.9
6/14/2000	NA	620	24	7.8	1.2	3.9 J	14.9	NA	NA	1.9
9/12/2000	NA	610	45	19	1.8	13	14.63	NA	NA	3.8
3/21/2001	NA	1,000	290	65	1.4	6.8	21.63	NA	NA	NA
3/6/2002	NA	820	340	27	1.6 J	3.8 J	18	NA	NA	1.9
9/12/2002	NA	1,200	360	48	<1.7	9	29	NA	NA	1.1 J
3/12/2003	NA	940	270	32	<0.68	12	32	NA	NA	6.0
7/26/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11/9/2005	NA	589	141	13.1	0.558 J	3.1	21	<0.5	<0.4	24.6
5/10/2006	NA	511	121	7.96	<0.30	4.69	28.96	<0.40	<0.40	<0.30
11/16/2006	NA	501	57.6	0.61	0.92	1.24	20.2	1.2	<0.10	1.93 J
5/23/2007	NA	395	19.0	0.31 J	<0.40	<0.60	0.52	0.42 J	<0.20	NA
11/15/2007	NA	233	19.4	0.23 J	<0.40	<0.60	2.9	0.5 J	<0.20	<1.00
5/27/2008	NA	349	45.1	<2.00	<4.00	<6.00	<7.00	<3.00	<3.00	<1.00

TABLE 1

GROUNDWATER ANALYTICAL RESULTS
FORMER TANK 8 RELEASE SITE

Well ID and Sample Date	DRO	GRO	Benzene	Ethyl-benzene	Toluene	Xylenes	Trimethyl-benzenes	1,2-Dichloro-ethane	1,2-Dichloro-propane	Naphthalene
MW-3/T8										
12/10/1999	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/21/2000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
6/14/2000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/12/2000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/21/2001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/6/2002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/12/2002	NA	1,300	<0.25	5.4	<0.84	26	107	<0.55	<0.39	12
3/12/2003	NA	2,300	1.2 J	9.2	<0.68	32	308	NA	NA	94
7/26/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11/9/2005	NA	505	0.344 J	2.85	<0.3	11.19	65.7	<0.4	<0.4	16.1
5/10/2006	NA	780	<0.31	8.66	<0.30	14.05	62.12	<0.40	<0.40	12.2
11/16/2006	NA	1,050	2.51	7.06	0.85 J	7.01	95.2	<0.10	<0.10	12.4
5/23/2007	NA	653	0.58 J	1.83	<0.40	4.26	30	<0.20	<0.20	NA
11/15/2007	NA	1,150	<1.00	6.23	<2.00	8.92	28.9	<1.00	<1.00	<5.00
5/27/2008	NA	108	<0.20	<0.20	<0.40	<0.60	<0.40	<0.30	<0.30	<1.00
MW-4/T8										
12/10/1999	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/21/2000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
6/14/2000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/12/2000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/21/2001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/6/2002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/12/2002	NA	10,000	1,100	870	<8.4	3,010	1,690	<5.5	<3.9	240
3/12/2003	NA	13,000	1,200	930	<6.8	3,008	2,050	NA	NA	270
7/26/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11/9/2005	NA	6,650	820	409	<30.0	1,295	972	<50.0	<40.0	107
5/10/2006	NA	7,780	1,080	546	<3.00	1,402	1,277	<4.00	<4.00	94.1
11/16/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/23/2007	NA	7,700	795	459	<20.0	1085	1,046	15.6 J	<10.0	NA
11/15/2007	NA	8,690	670	475	<40.0	1,120	975	<20.0	<20.0	140 J
11/15/2007 Dup	NA	8,920	756	555	<40.0	1,300	1,150	<20.0	<20.0	135 J
5/27/2008	NA	13,100	1,000	428	<40.0	1,040	1,121	<30.0	<30.0	126 J

TABLE 1

GROUNDWATER ANALYTICAL RESULTS
FORMER TANK 8 RELEASE SITE

Well ID and Sample Date	DRO	GRO	Benzene	Ethyl-benzene	Toluene	Xylenes	Trimethyl-benzenes	1,2-Dichloro-ethane	1,2-Dichloro-propane	Naphthalene
MW-5/T8										
12/10/1999	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/21/2000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
6/14/2000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/12/2000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/21/2001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/6/2002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/12/2002	NA	920	24	<0.53	2.5 J	46	30	190	18	2.1
3/12/2003	NA	1,800	350	31	2.1 J	8.7 J	17.4	130	11	2.9 J
7/26/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11/9/2005	NA	4,340	1,810	114	116	384	128	288	19.4	8.22
5/10/2006	NA	3,390	565	21.4	31.0	179.2	76.4	267	21.4	31.7
11/16/2006	NA	1,410	342	6.85	4.05 J	6.71	5.42	10.1	1.82 J	NA
5/23/2007	NA	1,670	276	13.6	8.01 J	31.47 J	41.2	148	12.0	NA
5/23/2007 Dup	NA	1,880	293	8.82	8.27 J	32.5 J	63.4	149	12.3	NA
11/15/2007	NA	2,760	834	64.8	<40.0	95.6	41	120	<20.0	<100
5/27/2008	NA	2,200	487	38.6 J	<40.0	63.4 J	36.4 J	93.6 J	<30.0	<100
5/27/2008 Dup	NA	2,270	497	39.9 J	<40.0	68 J	40.1 J	105	<30.0	<100
MW-6/T8										
12/10/1999	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/21/2000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
6/14/2000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/12/2000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/21/2001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/6/2002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/12/2002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
3/12/2003	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
7/26/2005	NA	NA	416	17.2	5.52	124	41.9	62	5.94	<0.1
11/9/2005	NA	1,790	736	6.06	20.2	255	54	118	9.98	<4.00
5/10/2006	NA	1,710	239	9.38 J	<3.00	37.7	20.9 J	36.8	<4.00	<8.00
11/16/2006	NA	3,100	1,150	44.9	34	109.5	39.1	230	16.7	<10
5/23/2007	NA	<50.0	<2.00	<1.00	<4.00	<6.00	<4.00	<2.00	<2.00	NA
11/15/2007	NA	936	174	15.5	<4.00	13.4	9.7 J	<2.00	<2.00	14.2 J
5/27/2008	NA	2,780	789	48.5 J	<40.0	53.0	51.1 J	<30.0	<30.0	<100

TABLE 1

GROUNDWATER ANALYTICAL RESULTS
FORMER TANK 3 RELEASE SITE

Well ID and Sample Date	DRO	GRO	Benzene	Ethyl-benzene	Toluene	Xylenes	Trimethyl-benzenes	1,2-Dichloro-ethane	1,2-Dichloro-propane	Naphthalene
MW-2/T66										
12/17/1998	NA	<30	<0.30	<0.20	<0.20	<0.80	<0.90	<0.20	<0.20	<1.1
4/6/1999	NA	<50	<0.2	<0.5	<0.5	<1	<1	NA	NA	NA
6/1/1999	NA	<50	<0.2	<0.5	<0.5	<1.0	<1.0	NA	NA	NA
9/9/1999	NA	<50	<0.15	<0.5	<0.4	<0.55	<0.55	NA	NA	NA
12/10/1999	NA	<50	<0.15	<0.5	<0.4	<0.55	<0.55	NA	NA	NA
3/7/2000	NA	<100	<0.32	<0.34	<0.35	<1	<0.99	NA	NA	NA
6/14/2000	NA	<100	<0.39	<0.4	<0.37	<1.4	<1.03	NA	NA	<0.53
9/12/2000	NA	<100	<0.39	<0.4	<0.37	<1.4	<1.03	NA	NA	NA
3/21/2001	NA	<100	<0.39	<0.4	0.78 J	<1.4	<1.03	NA	NA	<0.53
5/17/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/11/2002	NA	NA	<0.43	<0.49	<0.63	<1.45	<1.14	NA	NA	NA
7/26/2005	NA	NA	<0.31	<0.5	<0.3	<0.92	<0.71	<0.4	<0.4	<0.1
11/9/2005	NA	<50.0	<0.31	<0.5	<0.3	<0.92	<0.71	<0.4	<0.4	<0.8
5/10/2006	NA	<50.0	<0.31	0.7 J	0.95 J	3.2	2.71 J	<0.40	<0.40	1.29 J
11/16/2006	NA	<50.0	<0.15	<0.10	<0.40	<0.50	<0.2	<0.10	<0.10	<1.00
5/23/2007	NA	<50.0	<0.20	<0.10	<0.40	<0.60	<0.40	<0.20	<0.20	NA
11/15/2007	NA	<50.0	<0.20	<0.10	<0.40	<0.60	<0.40	<0.20	<0.20	<1.00
5/27/2008	NA	<50.0	<0.20	<0.20	<0.40	<0.60	<0.40	<0.30	<0.30	<1.00
NR 140 PAL										
	NS	NS	0.5	140	200	1,000	96	0.5	0.5	10
NR 140 ES										
	NS	NS	5	700	1,000	10,000	480	5	5	100

NOTES:

Results reported in units of micrograms per liter (µg/l).

Initial round of samples collected from each well analyzed for VOCs.

Only detected parameters shown on table.

Results in bold are above NR 140 ES standard.

Monitoring well MW-2/T66 installed as part of separate investigation; samples collected prior to 11/09/2005 from this well associated with Tanks 65/66 investigation.

NS = No standard.

NA = No samples collected.

NI = Not installed.

J = Analyte detected between level of detection and level of quantitation.

Dup = Duplicate sample.

TABLE 4

SUMMARY OF PRODUCT AND WATER LEVELS AND VOLUME OF PRODUCT PURGED
FROM MONITORING WELLS ASSOCIATED WITH FORMER TANK 8 RELEASE SITE ⁽¹⁾

Date	Depth to water TOC (feet)	Water Elevation AMSL (feet)	Depth to Product from TOC (feet)	Product Elevation AMSL (feet)	Apparent Product Thickness (feet)	Volume of Product Removed (liters)
MW-1/T8					Top of Casing Elevation (ft AMSL) =	658.7
04/21/06	3.45	655.25	--	--	0.00	--
04/28/06	4.21	654.49	--	--	0.00	--
05/04/06	3.26	655.44	--	--	0.00	--
06/29/06	4.00	654.70	--	--	0.00	--
10/31/06	3.50	655.20	--	--	0.00	--
11/09/06	3.49	655.21	--	--	0.00	--
05/03/07	3.62	655.08	--	--	0.00	--
05/09/07	3.24	655.46	--	--	0.00	--
05/16/07	3.49	655.21	--	--	0.00	--
10/25/07	3.03	655.67	--	--	0.00	--
10/31/07	3.15	655.55	--	--	0.00	--
05/12/08	3.09	655.61	--	--	0.00	--
05/19/08	3.24	655.46	--	--	0.00	--
05/27/08	3.18	655.52	--	--	0.00	--
Total Since Well Installed						6.5
MW-2/T8					Top of Casing Elevation (ft AMSL) =	657.5
04/21/06	5.44	652.06	--	--	0.00	--
04/28/06	8.30	649.2	--	--	0.00	--
05/04/06	10.57	646.93	--	--	0.00	--
06/29/06	8.00	649.5	--	--	0.00	--
10/31/06	4.64	652.86	--	--	0.00	--
11/09/06	9.01	648.49	--	--	0.00	--
05/03/07	6.14	651.36	--	--	0.00	--
05/09/07	9.21	648.29	--	--	0.00	--
05/16/07	11.10	646.4	--	--	0.00	--
10/25/07	3.88	653.62	--	--	0.00	--
10/31/07	8.37	649.13	--	--	0.00	--
05/12/08	4.16	653.34	--	--	0.00	--
05/19/08	8.47	649.03	--	--	0.00	--
05/27/08	10.33	647.17	--	--	0.00	--
MW-3/T8					Top of Casing Elevation (ft AMSL) =	660.58
04/21/06	4.98	655.60	--	--	0.00	--
04/28/06	6.10	654.48	--	--	0.00	--
05/04/06	6.73	653.85	--	--	0.00	--
06/29/06	5.39	655.19	--	--	0.00	--
10/31/06	7.43	653.15	--	--	0.00	--
11/09/06	10.14	650.44	--	--	0.00	--
05/03/07	5.12	655.46	--	--	0.00	--
05/09/07	5.28	655.30	--	--	0.00	--
05/16/07	6.16	654.42	--	--	0.00	--
10/25/07	4.55	656.03	--	--	0.00	--
10/31/07	5.10	655.48	--	--	0.00	--
05/12/08	4.58	656.00	--	--	0.00	--
05/19/08	4.78	655.80	--	--	0.00	--
05/27/08	5.25	655.33	--	--	0.00	--

TABLE 4

SUMMARY OF PRODUCT AND WATER LEVELS AND VOLUME OF PRODUCT PURGED FROM MONITORING WELLS ASSOCIATED WITH FORMER TANK 8 RELEASE SITE ⁽¹⁾

Date	Depth to water TOC (feet)	Water Elevation AMSL (feet)	Depth to Product from TOC (feet)	Product Elevation AMSL (feet)	Apparent Product Thickness (feet)	Volume of Product Removed (liters)
MW-4/T8					Top of Casing Elevation (ft AMSL) =	659.20
11/01/05	4.78	654.42	--	--	0.00	--
04/21/06	4.05	655.15	--	--	0.00	--
04/28/06	5.29	653.91	--	--	0.00	--
05/04/06	5.70	653.50	--	--	0.00	--
06/29/06	4.39	654.81	--	--	0.00	--
10/31/06	5.23	653.97	--	--	0.00	--
11/09/06	9.14	650.06	--	--	0.00	--
01/17/07	5.44	653.76	--	--	0.00	--
02/22/07	6.80	652.40	--	--	0.00	--
05/03/07	4.70	654.50	--	--	0.00	--
05/09/07	5.48	653.72	--	--	0.00	--
05/16/07	6.27	652.93	--	--	0.00	--
10/25/07	3.70	655.50	--	--	0.00	--
10/31/07	7.88	651.32	--	--	0.00	--
05/12/08	4.35	654.85	--	--	0.00	--
05/19/08	5.04	654.16	--	--	0.00	--
05/27/08	5.70	653.50	--	--	0.00	--
MW-5/T8					Top of Casing Elevation (ft AMSL) =	661.00
11/01/05	6.68	654.32	--	--	0.00	--
04/21/06	7.24	653.76	--	--	0.00	--
04/28/06	11.65	649.35	--	--	0.00	--
05/04/06	12.97	648.03	--	--	0.00	--
06/29/06	5.89	655.11	--	--	0.00	--
10/31/06	7.12	653.88	--	--	0.00	--
11/09/06	13.53	647.47	--	--	0.00	--
05/03/07	8.30	652.70	--	--	0.00	--
05/09/07	13.10	647.90	--	--	0.00	--
05/16/07	14.52	646.48	--	--	0.00	--
10/25/07	7.06	653.94	--	--	0.00	--
10/31/07	13.22	647.78	--	--	0.00	--
05/12/08	8.55	652.45	--	--	0.00	--
05/19/08	12.12	648.88	--	--	0.00	--
05/27/08	13.61	647.39	--	--	0.00	--
MW-6/T8					Top of Casing Elevation (ft AMSL) =	658.42
11/01/05	4.92	653.50	--	--	0.00	--
04/21/06	5.59	652.83	--	--	0.00	--
04/28/06	9.48	648.94	--	--	0.00	--
05/04/06	10.31	648.11	--	--	0.00	--
06/29/06	4.85	653.57	--	--	0.00	--
10/31/06	6.85	651.57	--	--	0.00	--
11/09/06	9.55	648.87	--	--	0.00	--
05/03/07	5.31	653.11	--	--	0.00	--
05/09/07	9.15	649.27	--	--	0.00	--
05/16/07	9.90	648.52	--	--	0.00	--
10/25/07	4.66	653.76	--	--	0.00	--
10/31/07	8.12	650.30	--	--	0.00	--
05/12/08	5.08	653.34	--	--	0.00	--
05/19/08	7.30	651.12	--	--	0.00	--
05/27/08	8.78	649.64	--	--	0.00	--

TABLE 4

SUMMARY OF PRODUCT AND WATER LEVELS AND VOLUME OF PRODUCT PURGED FROM MONITORING WELLS ASSOCIATED WITH FORMER TANK 8 RELEASE SITE ⁽¹⁾

Date	Depth to water TOC (feet)	Water Elevation AMSL (feet)	Depth to Product from TOC (feet)	Product Elevation AMSL (feet)	Apparent Product Thickness (feet)	Volume of Product Removed (liters)
MW-2/T66					Top of Casing Elevation (ft AMSL) =	659.69
10/31/06	5.27	654.42	--	--	0.00	--
11/09/06	5.56	654.13	--	--	0.00	--
05/03/07	4.77	654.92	--	--	0.00	--
05/09/07	8.11	651.58	--	--	0.00	--
05/16/07	9.76	649.93	--	--	0.00	--
10/25/07	4.18	655.51	--	--	0.00	--
10/31/07	7.49	652.20	--	--	0.00	--
05/12/08	4.09	655.60	--	--	0.00	--
05/19/08	6.36	653.33	--	--	0.00	--
05/27/08	7.92	651.77	--	--	0.00	--
TP-2/T8						
No measurements made since last site status report						
MP-1/T8						
No measurements made since last site status report						
MP-2/T8						
No measurements made since last site status report						
MP-3/T8						
No measurements made since last site status report						

NOTES:

- TOC = Top of casing
- NM = Not measured.
- NS = Not surveyed.
- AMSL = Above Mean Sea Level.

FOOTNOTE:

(1) Only measurements completed since last site status report to WDNR (May 4, 2006) are shown in table.