GIS REGISTRY INFORMATION

SITE NAME: Flint Hills Resources - Junction City Terminal

BRRTS #: 02-50-000353 **FID #:** 750011570

COMMERCE # (if appropriate**):** 54443004006

CLOSURE DATE: 03/18/2008

STREET ADDRESS: 2267 State Highway 34

CITY: Town of Carson

SOURCE PROPERTY Locational COORDINATES (meters in WTM91 projection)**:** **X=** 542394 **Y=** 457785

CONTAMINATED MEDIA: Groundwater [ ] Soil [ ] Both [X]

OFF-SOURCE GW CONTAMINATION >ES: [X] **Yes** [ ] **No**

IF YES, STREET ADDRESS 1: PIN# 012240706-08.01

Locational COORDINATES (meters in WTM91 projection)**:** **X=** 542279 **Y=** 457768

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): [ ] **Yes** [X] **No**

IF YES, STREET ADDRESS 1:

Locational COORDINATES (meters in WTM91 projection)**:** **X=** **Y=**

CONTAMINATION IN RIGHT OF WAY: [X] **Yes** [ ] **No**

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	X
Copy of any maintenance plan referenced in the final closure letter.	X
Copy of (soil or land use) deed notice *if any required as a condition of closure*	X
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	NA
County Parcel ID number, *if used for county*, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if required for site investigation (SI) (*8.5x14" if paper copy*)*.** The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	NA
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy**)**	X
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable)	X
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	X

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Scott Humrickhouse, Regional Director

Wausau Office
5301 Rib Mountain Drive
Wausau, Wisconsin 54401
Telephone 715-359-4522
FAX 715-355-5253
TTY Access via relay - 711

March 18, 2008

BRRTS #02-50-000353

FILE COPY

FLINT HILLS RESOURCES LP
MS ROXANE PAWIELSKI
P.O. BOX 64596
ST. PAUL, MN 55164-0596

Subject: Final Case Closure, FHR Junction City Terminal, 2267 State Hwy 34, Junction City, Wisconsin

Dear Ms. Pawielski:

On September 20, 2007, the Wisconsin Department of Natural Resources (Department) reviewed your request for closure of the case described above. The Department reviews environmental cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On September 27, 2007, you were notified that the Closure Committee had granted conditional closure to this case.

On March 7, 2008, the Department received correspondence indicating that you have complied with the requirements of closure. Tetra Tech has submitted a copy of the recorded deed restriction, the final maintenance plan and the monitoring well abandonment forms. It is our understanding that you will be sampling the remaining on-site wells on a semi-annual basis. Please remember to inspect and maintain these wells.

Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wisconsin Administrative Code. **The Department considers this case closed and no further investigation or remediation is required at this time.**

GIS Registry

The conditions of case closure set out below require that your site be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Groundwater contamination is present above Chapter NR 140 enforcement standards.
- You have placed a restriction on your deed regarding contaminated soils that are above the direct contact standards and are covered and/or that structural impediments prevented the removal of these soils.

Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit http://dnr.wi.gov/org/aw/rr/gis/index.htm If your property is listed on the GIS Registry and you intend to construct or reconstruct a well, you will need Department approval. Department approval is required before construction or reconstruction of a well on a property listed on the GIS Registry, in accordance with s.NR 812.09(4)(w) Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted 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 above.

Remaining Residual Soil Contamination

Residual soil contamination remains at locations specified in your GIS packet. As a reminder, if the contaminated soil is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of the excavation will need to determine whether the 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 contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may be needed to prevent a direct contact health threat to humans.

Remaining Residual Groundwater Contamination

Groundwater impacted by petroleum-related contamination greater than enforcement standards set forth in ch. NR 140, Wis. Adm. Code, is present both on and off the source property. Off-property owners have been notified of the presence of groundwater contamination. For more detailed information regarding the locations where groundwater samples have been collected and the associated contaminant concentrations, refer to the Remediation & Redevelopment Program's GIS Registry at http://dnr.wi.go/org/aw/rr/gis/index.htm.

I appreciate all the efforts you and your consultant have taken to move this site to closure. Please contact me at (715) 359-6514 if you have any questions regarding this letter.

Sincerely,

Lisa Gutknecht

Lisa Gutknecht
Bureau for Remediation & Redevelopment

c: Bill Evans, DNR – Eau Claire (via e-mail)
Anthony Fischer, DNR – Wisconsin Rapids (via e-mail)
Janet Smith, WisDOT, Wisconsin Rapids (via e-mail)
Dee Lance, Commerce, Stevens Point (via e-mail)
Marc Coggeshall, Reiss Remediation, Wichita, KS
Greg Aldrian, Tetra Tech, Wausau, WI

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Scott Humrickhouse, Regional Director

Wausau Office
5301 Rib Mountain Drive
Wausau, Wisconsin 54401
Telephone 715-359-4522
FAX 715-355-5253
TTY Access via relay - 711

September 27, 2007

BRRTS #02-50-000353

FLINT HILLS RESOURCES LP
MS ROXANE PAWIELSKI
P.O. BOX 64596
ST. PAUL, MN 55164-0596

Subject: Conditional Case Closure Decision with Requirements to Achieve Final Closure, FHR Junction City Terminal, 2267 State Hwy 34, Junction City, Wisconsin

Dear Ms. Pawielski:

On September 20, 2007, the Wisconsin Department of Natural Resources (Department) reviewed your request for closure of the case described above. The Department reviews environmental cases for compliance with state laws and standards to maintain consistency in the closure of these cases. After careful review of the closure request, the Department has determined that the petroleum volatile organic compounds and polynuclear aromatic hydrocarbon contamination on the site appears to have been investigated and remediated to the extent practicable under site conditions. **Your case meets the requirements of ch. NR726, Wisconsin Administrative Code and will be closed if the following conditions are satisfied.**

The Department requests that you continue to sample your perimeter wells since this is an active facility. The results do not have to be reported to the Department unless they indicate another release has occurred. At a minimum these wells should be inspected on an annual basis and the inspections documented. Any wells needing repairs should be fixed as soon as possible. The repairs should also be documented for your files. You will need to submit to the Department your sampling schedule and a list of the wells that you will be maintaining. The remainder of the wells should be abandoned. Please submit your sampling list before abandoning any wells at the site.

MONITORING WELL ABANDONMENT

Monitoring wells not being used for annual sampling at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-5B found at www.dnr.state.wi.us/org/water/dwg/gw/ or provided by the Department.

DEED RESTRICTION FOR CONTAMINATED SOIL

To close this site, the Department requires that a deed restriction be signed and recorded to address the issue of the remaining soil contamination associated with the site. The purposes of the restriction are to let the property owners know that additional investigation is warranted when structural impediments are removed and to maintain a surface barrier over the remaining soil contamination to:

(A) prevent contamination from impacting human health through direct contact.

(B) prevent contamination from impacting groundwater due to the infiltration of precipitation

I have reviewed your draft deed restriction and made changes. The changes and the new restrictions paragraph are attached. Please make these changes and submit a draft to me before the document is signed and recorded. You may find a model deed restriction enclosed for your use or you can visit our web site at www.dnr.state.wi.us/org/aw/rr to find an electronic copy of PUB-RAR_606, which includes a model deed restriction. After the Department has reviewed the draft document for completeness, you should sign it if you own the property, or have the appropriate property owner sign it, and have it recorded by the Portage County Register of Deeds. Then you must submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a deed restriction is recorded for the wrong property because of an inaccurate legal description or parcel identification number that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

Since the site will be listed on the GIS Registry for groundwater you are not required to include the groundwater use restriction language in the deed restriction. You would need Department approval before you could install a well on the site.

MAINTENANCE PLAN

As a condition of this closure, the asphalt, concrete, buildings and other structures at the site must be maintained to minimize direct contact concerns and/or for groundwater protection. The cover is to be maintained in accordance with a plan prepared and submitted to the Department of Natural Resources pursuant to s. NR 724.13(2), Wis. Adm. Code. Submit a draft maintenance plan to me with the draft deed restriction.

MISCELLANEOUS ITEMS

Flint Hill Resources certified statement that the legal descriptions are correct must be signed and submitted to the Department. A map(s) of the locations of the soil sample results presented in the GIS packet must be prepared and submitted.

When the above conditions have been satisfied, please submit the appropriate documentation to verify that applicable conditions have been met, and your case will be closed. Your 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 registry. To review the sites on the GIS Registry web page, visit http://dnr.wi.gov/org/aw/rr/gis/index.htm

If your property is listed on the GIS Registry and you intend to construct or reconstruct a well, you will need Department approval. Department approval is required before construction or reconstruction of a well on a property listed on the GIS Registry, in accordance with s.NR 812.09(4)(w) Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at the web address listed above.

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

We appreciate all the efforts you and your consultant have taken to move this site to closure. Please contact me at (715) 359-6514 if you have any questions regarding this letter.

Sincerely,

Lisa Gutknecht

Lisa Gutknecht
Bureau for Remediation & Redevelopment

Attachments

c: Bill Evans, DNR – Eau Claire (via e-mail)
Anthony Fischer, DNR – Wisconsin Rapids (via e-mail)
Janet Smith, WisDOT, Wisconsin Rapids (via e-mail)
Dee Lance, Commerce, Stevens Point (via e-mail)
Marc Coggeshall, Reiss Remediation, Wichita, KS
Greg Aldrian, Tetra Tech, Wausau, WI

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Scott Humrickhouse, Regional Director

Wausau Office
5301 Rib Mountain Drive
Wausau, Wisconsin 54401
Telephone 715-359-4522
FAX 715-355-5253

November 5, 2003

BRRTS #02-50-000353

MR GREG SCHRAB
KOCH PETROLEUM GROUP
PO BOX 64596
ST PAUL MN 55164-0596

Subject: Case Closure, Koch Junction City Terminal, Junction City, Wisconsin

Dear Mr. Schrab:

On October 29, 2003 you met with the West Central Region Closure Committee regarding the Junction City Terminal site. You believed that you had met the requirements of our letter dated October 14, 2002 (see attached) and the site was ready for closure.

We reviewed the data and determined that the site could not be closed at this time based on the sampling results from MW-22. Benzene concentrations in this well ranged from 13,900 to 22,000 parts-per-billion. It appears that groundwater flow may be following a swale directly downgradient of MW-22 based on the sample results from nearby wells. A geoprobe© should be placed in the swale near Highway 10 and a groundwater sample should be collected. This sample is needed to determine if contamination is moving off the property and under the road. Depending on the results of this sample you may need to sample this location on more than one occasion.

After you have completed the sampling event(s) you should evaluate your information to determine if this site should be submitted for closure. If you have any questions regarding this letter, please contact me at (715) 359-6514.

Sincerely,

Lisa Gutknecht
Remediation & Redevelopment Program

Attachment

c: Bill Evans
Greg Aldrian, Maxim

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Scott A. Humrickhouse, Regional Director

Wausau Office
5301 Rib Mountain Drive
Wausau, Wisconsin 54401
Telephone 715-359-4522
FAX 715-355-5253

October 14, 2002

BRRTS #02-50-000353

MR GREG SCHRAB
KOCH PETROLEUM GROUP
PO BOX 64596
ST PAUL MN 55164-0596

Subject: Case Closure, Koch Junction City Terminal, Junction City, Wisconsin

Dear Mr. Schrab:

On September 18, 2002, the West Central Region Closure Committee reviewed your site for closure. After careful review of your closure request, the committee has decided that additional site work is necessary in order to meet the requirements of site closure.

The committee believes that the following items are needed:

- Additional monitoring wells are needed at the site. One monitoring well should be installed west of MW-6 and Highway 34; three monitoring wells and one piezometer are needed south of MW-15 and west of Highway 34; and one monitoring well is needed immediately south of Tank 323 within the fenced area.

- The newly installed wells in the first sampling round should be analyzed for the following parameters, volatile organic compounds and PAHs. Based on the results of the initial sampling event we can decide which parameters the samples should be analyzed for in subsequent sampling events. These wells should be sampled on a quarterly basis for a minimum of one year.

- The remaining wells at the site should be sampled at a minimum according to the attached schedule and parameter list.

- At the time of closure a soil deed restriction will be needed for the areas marked with red dots on the attached map. These areas will require additional site investigation and possible clean up once the physical constraints have been removed. If the physical restraints are removed from any of these areas before the site is closed out, you should complete the soil investigation in that area.

Please submit a workplan for the additional activities needed at the site. Once the additional work outlined above has been completed, please submit the data along with

your documentation showing a stable or receding plume. We will then review the new data and the file for closure consideration.

If there is additional relevant information that wasn't previously provided to the Department, which you believe might change the Department's closure decision; you may submit that information for our re-evaluation of your closure request. If you have any questions regarding this letter, please contact me at (715) 359-6514.

Sincerely,

Lisa Gutknecht

Lisa Gutknecht
Remediation & Redevelopment Program

Attachments

c: Bill Evans, Eau Claire
Greg Aldrian, Maxim

KOCH JUNCTION CITY TERMINAL
GROUNDWATER SAMPLING SCHEDULE

Well #	Annual Sampling	Semi-Annual Sampling	Parameters
MW-1	X		PVOCs & 1,2-DCA
MW-2		X	PVOCs, 1,2-DCA & Naphthalene
MW-3	X		PVOCs & Naphthalene
MW-4	X		PVOCs & 1,2-DCA
MW-5	X		PVOCs, 1,2-DCA & Naphthalene
MW-11	X		PVOCs & Naphthalene
MW-14	X		PVOCs
MW-15		X	PVOCs
MW-16		X	PVOCs & 1,2-DCA
MW-17	X		PVOCs & 1,2-DCA
PZ-1	X		PVOCs & Naphthalene
PZ-4	X		PVOCs & Naphthalene
PZ-8		X	PVOCs & 1,2-DCA
PZ-9		X	PVOCs & 1,2-DCA

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Scott A. Humrickhouse, Regional Director

Wausau Office
5301 Rib Mountain Drive
Wausau, Wisconsin 54401
Telephone 715-359-4522
FAX 715-355-5253

November 6, 2001

BRRTS #02-50-000353

MR GREG SCHRAB
KOCH PETROLEUM GROUP
PO BOX 64596
ST PAUL MN 55164-0596

Subject: Closure Sampling, Koch Junction City Terminal, Junction City, Wisconsin

Dear Mr. Schrab:

Before we can review this case for closure, the wells at the site should be sampled again. The wells have not been sampled since December 1998 and we would like to know if conditions have remained stable at the site. I have attached a list of wells that should be sampled and the parameters that the samples should be analyzed for.

Along with the sample results, please submit the following information.

- Our new closure form should be completed and submitted for the site.
- You need to provide the statistical analysis that shows the plume is stable or receding.
- The groundwater quality tables should include the respective enforcement standards and preventative action limits for the compounds listed in the tables.
- A site map should be submitted with legible monitoring well and piezometer numbers and the recent spill locations identified on it.

Once you have submitted this information we should be able to review the site for closure. I appreciate the efforts you have taken at this site to investigate the petroleum contamination. If you have any questions regarding this letter, please contact me at (715) 359-6514.

Sincerely,

Lisa Gutknecht
Remediation & Redevelopment Program

c: Bill Evans, Eau Claire
Greg Aldrian, Maxim

KOCH
JUNCTION CITY TERMINAL
MONITORING WELL SAMPLING PARAMETERS

Monitoring well #	Parameter
MW-1	PVOCs & 1,2-dichloroethane (1,2-DCA)
MW-2	PVOCs, 1,2-DCA & PAHs
MW-3	PVOCs, 1,2-DCA & Naphthalene
MW-5	PVOCs, 1,2-DCA & Naphthalene
MW-6	PVOCs, 1,2-DCA & Naphthalene
MW-10	PVOCs
MW-11	PVOCs, 1,2-DCA & Naphthalene
MW-12	PVOCs, 1,2-DCA & Naphthalene
MW-13	PVOCs, 1,2-DCA & Naphthalene
MW-14	PVOCs, 1,2-DCA & Naphthalene
MW-15	PVOCs & 1,2-DCA
PZ-1	PVOCs, 1,2-DCA & Naphthalene
PZ-3	PVOCs & 1,2-DCA
PZ-4	PVOCs, 1,2-DCA & Naphthalene
PZ-5	PVOCs & Naphthalene
PZ-6	PVOCs

TETRA TECH

ADDITIONAL AREAS MAINTENANCE PLAN
October 29, 2007

This plan was prepared in accordance with the Wisconsin Department of Natural Resources' September 27, 2007 conditional case closure decision letter and NR724.13(2) Wisconsin Administrative Code requirements.

PURPOSE OF PLAN:

As a condition of site closure, the cap covering the Additional Areas (as indicated on Figure 2), must be maintained to minimize direct contact with impacted soil and minimize potential impacts to groundwater.

MAINTENANCE PLAN IMPLEMENTATION:

The maintenance plan includes visual inspection of the cap covering the Additional Areas. Maintenance will be performed as necessary. Visual inspections of concrete / asphalt covered areas will include checking for:

- Individual Cracks
- General Disintegration

If significant cracking or disintegration is noted, substantially similar materials will be used to repair noted areas. For the Additional Area covered by Tank 323, no inspections will be required unless the tank is removed.

The following activities are prohibited on the cap covering the Additional Areas, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) Replacement with another barrier; (2) Excavating or grading of the land surface; (3) Filling on capped or paved areas; (4) Plowing for agricultural cultivation; and (5) Construction or placement of a building or other structure in an area where pavement, a building foundation or another barrier is required. However, prior written approval is not required for emergency situations, maintenance activities, or replacement of existing barriers with substantially similar material. However, documentation of these activities is required for the life of the terminal.

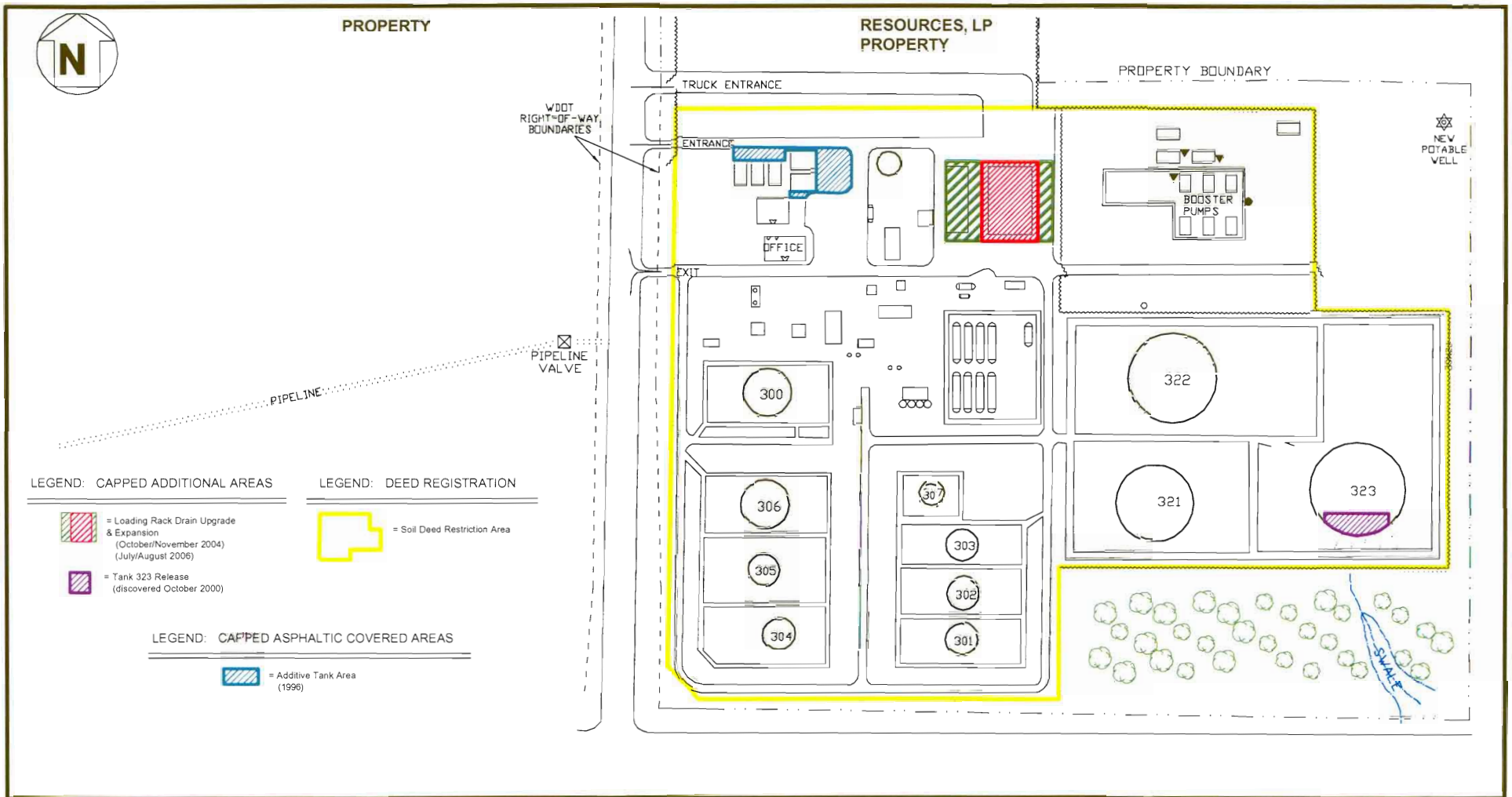
Should the petroleum impacted soil that remains below the cap covering the Additional Areas be excavated in the future, sampling and analysis will be conducted to appropriately characterize the soil for proper handling and disposal in accordance with all applicable statutes and rules. Results of the sampling and analysis along with documentation of proper disposal will be provided to the WDNR.

MAINTENANCE SCHEDULE:

The Additional Areas will be visually inspected to evaluate conditions on a semi-annual basis. Records of these visual inspections will be maintained at FHR's Junction City terminal.

GMA\rk\pf
S:\ENV\KOCH_FHR\JUNCTION CITY\5340048_9857830\2007\Conditional Closure Docs\FINAL_Additional Areas Maintenance Plan.doc

Tetra Tech, Inc.
555 South 72nd Avenue, Wausau, WI 54401
Tel 715.845.4100 Fax 715.842.0381 www.tetratech.com



TETRA TECH, INC.

Wausau, Wisconsin

FIGURE 2

CAPPED AREA LOCATIONS
JUNCTION CITY TERMINAL
FLINT HILLS RESOURCES, LP
JUNCTION CITY WI

PROJECT #: 5340048
DATE: 01/02/07
DRAWN BY: ALT/TT
REVIEWED BY: GMA
SCALE: RELATIVE

FILE: S:\layfield\koch junction\acad2000\GIS Registration\GIS Registration.dwg

712361

CYNTHIA A WISINSKI
PORTAGE COUNTY REGISTER OF DEEDS
RECEIVED FOR RECORD
DEC. 27,2007 AT 09:30AM

CYNTHIA A WISINSKI, REGISTER OF DEEDS
Fee Amount: $19.00

Document Number | DEED RESTRICTION

Declaration of Restrictions

In Re:

A parcel of land located in the Southwest Quarter (SW¼) of the Northeast Quarter (NE¼) of Section Six (6), Township Twenty-Four (24) North, Range Seven (7) East, in Portage County, Wisconsin, except such portions thereof as have been previously conveyed for highway purposes. (Vol. 265, Page 234).

Recording Area

Name and Return Address

Flint Hills Resources, LP
4111 East 37th Street North
Wichita, KS 67201

012240706-04
Parcel Identification Number (PIN)

STATE OF WISCONSIN)
) ss
COUNTY OF Portage

WHEREAS, Flint Hills Resources, LP (f/k/a Koch Refining Company, LP) are the owners of the above described property.

WHEREAS, one or more petroleum discharges have occurred on this property. Petroleum-impacted soil and groundwater remains on this property at the following location(s):

SOILS

Soils that may exceed NR 720 and may exceed NR 746 direct contact residual contaminant values, that could not be excavated during various remedial activities completed to date due to structural impediments, remain on the site and are located:

Within the fenced, gated & locked area of the Junction City Terminal property in the area defined by MW-7/PZ-2 in the northwest corner, MW-8 to the north, and the western, southern, and eastern property fenced areas (Figure 1).

GROUNDWATER

Depth to groundwater is approximately 2- to 8-feet below land surface and monitoring points exhibiting one or more petroleum constituent concentrations in excess of associated NR 140 Preventive Action Limits and Enforcement Standards as of May 2005 are located:

NR 140 Preventive Action Limits:

Within the Junction City Terminal property, State Highway 34 ROW, and the property located to the west of State Highway 34, defined by MW-16/PZ-9, PZ-1, MW-11, MW-3, PZ-6, MW-19, and within the Junction City Terminal property defined by MW-22 (Figure 1).

NR 140 Enforcement Standards:

Within the Junction City Terminal property, State Highway 34 ROW, and the property located to the west of State Highway 34, defined by MW-16/PZ-9, PZ-1, MW-11, MW-13, MW-5, and within the Junction City Terminal property area defined by PZ-10 and MW-22 (Figure 1).

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

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

Structural impediments existing at the time of cleanup (See Figure 1), made complete investigation and/or remediation of the soil contamination on this property impracticable. If any structural impediments on this property that prevented the complete removal and/or investigation of petroleum-impacted soil are removed, the property owner shall conduct an investigation of the degree and extent of the petroleum-impacted soil. To the extent that petroleum contamination is found at that time, the Wisconsin Department of Natural Resources shall be immediately notified and the contamination shall be properly remediated in accordance with applicable statutes and rules. Should the currently inaccessible petroleum-impacted soil that remains on the property be excavated in the future, sampling and analysis will be conducted to appropriately characterize the soil for proper handling and disposal in accordance with all applicable statutes and rules.

The pavement or other impervious cap that existed on the above-described property in the locations shown on the attached map, labeled Figure 2 on the date that this restriction was signed shall be maintained in compliance with the 1) Asphaltic Cover Maintenance Plan dated October 23, 1996 that was submitted to the Wisconsin Department of Natural Resources by TetraTech (f/k/a Maxim Technologies, Inc.), as required by section NR 724.13 (2), Wis. Adm. Code (October 1999) and 2) and the Additional Areas Maintenance Plan dated October 29, 2007. A copy of these plans can be found at the Junction City Terminal. This pavement or other impervious cap must be maintained in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil that remains on the property in the location or locations described above where there is residual contamination is excavated in the future, the soil must be sampled and analyzed, may be considered solid or hazardous waste if residual contamination remains and must be stored, treated and disposed in compliance with applicable statutes and rules.

In addition, the following activities are prohibited on the portion of the above-described property where pavement or other barriers is required, as shown on Figure 2, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) Replacement with another barrier; (2) Excavating or grading of the land surface; (3) Filling on capped or paved areas; (4) Plowing for agricultural cultivation; and (5) Construction or placement of a building or other structure in an area where pavement, a building foundation or another barrier is required. Prior written approval is not required for emergency situations, maintenance activities, or replacement of existing barriers with substantially similar material for the areas shown on Figure 2.

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

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

IN WITNESS WHEREOF, the owners of the property have executed this Declaration of Restrictions, this 20 day of December, 2007.

Flint Hills Resources, LP

By: _____ FHFO

Printed Name: Randy D. Lenz

Title: V.P. Terminal Operations

Subscribed and sworn to before me
this 20th day of December, 2007

_____

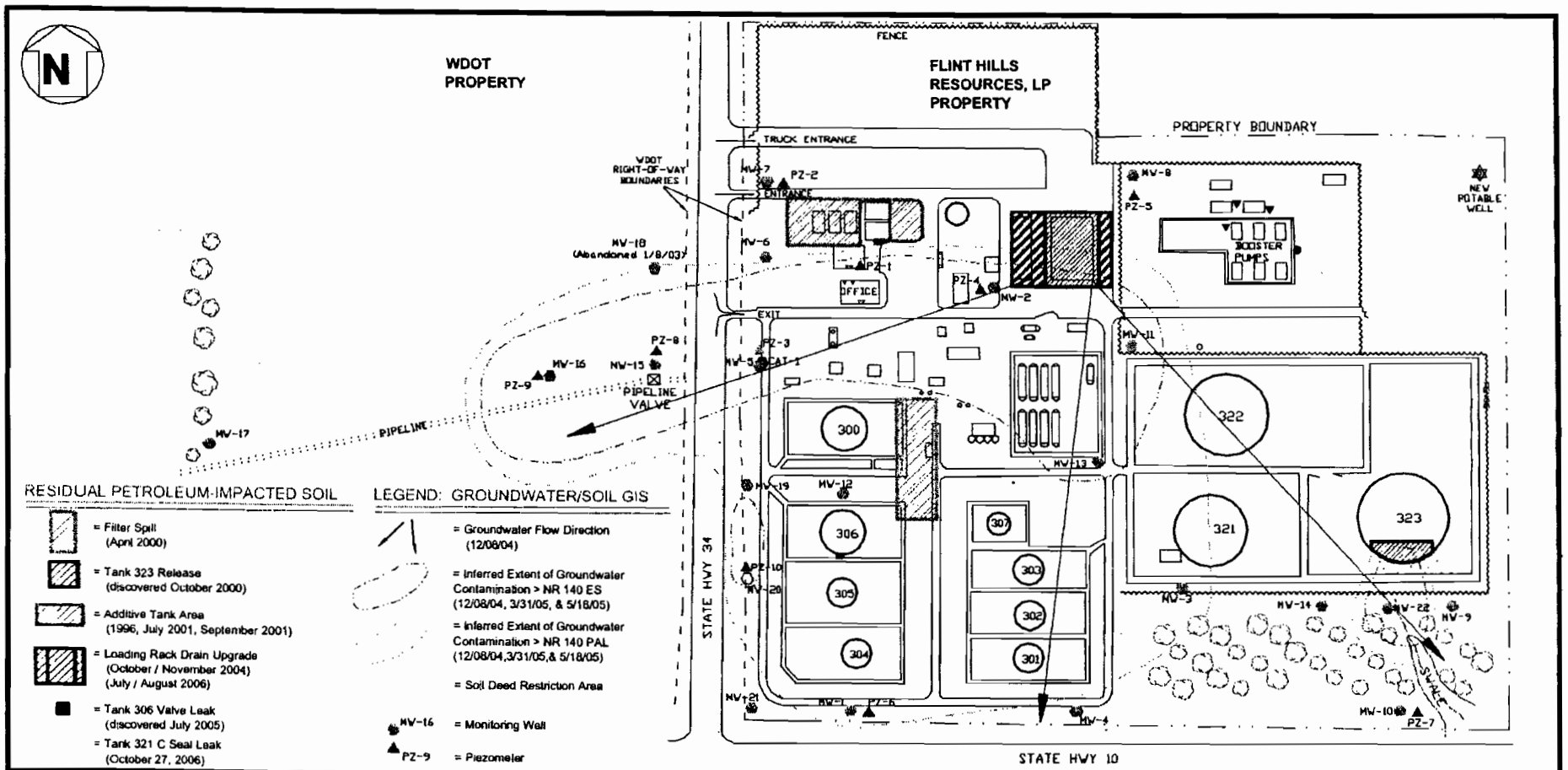
Notary Public, State of Minnesota

My commission 01/31/2010

This document was drafted by Tetra Tech, Inc., with assistance from the Wisconsin Department of Natural Resources.

[S:\ FINAL_JCT Deed Restriction.doc]

SHEILA M.B. LOUCKS
NOTARY PUBLIC – MINNESOTA
My Commission Expires 01/31/2010



TETRA TECH, INC.

Wausau, Wisconsin

FIGURE 1
SITE MAP for GIS REGISTRATION / DEED RESTRICTION
FLINT HILLS RESOURCES, LP
JUNCTION CITY TERMINAL
JUNCTION CITY, WI

PROJECT #: 5340048
DATE: 02/28/07
DRAWN BY: ALT/TT/MAM
REVIEWED BY: GMA
SCALE: Relative
FILE S:\autocad\koch\junction\acad2000\GIS Registration\GIS Registration 2007 rev dwg

DOC# 712361

No. 8-8. Warranty Deed—Short Form (Sec. 235.16, Wis. Statutes)

(STATE OF WISCONSIN) Form No. 8

Published by Eau Claire Book & Stationery Co.

265 PAGE 234

This Indenture, *Made by* Pipe Line Technologists, Inc., a Delaware corporation

grantor, of Harris County, Texas *hereby conveys and warrants to* Great Northern Oil Company, a Delaware corporation

grantee, of Dakota County, Minnesota *for the sum of* One Dollar ($1.00) and other good and valuable consideration *the following tract of land in* Portage *County, State of Wisconsin:*

The Southwest Quarter (SW¼) of the Northeast Quarter (NE¼) of Section Six (6), Township Twenty-four (24) North, Range Seven (7) East, except such portions thereof as have been previously conveyed for highway purposes.

Subject to real estate taxes.

267975

PORTAGE COUNTY, WIS.

Received for Record this 2nd day of February A. D. 19 68 at 9:00 o'clock A. M. and Recorded in Vol. 265 of Rec. on page 234

Lillian A. Haka
Register of Deeds

Lillian A. Haka

In Witness Whereof, the said grantor has hereunto set its hand and seal this 7th day of , *A. D. 19* 67.

PIPE LINE TECHNOLOGISTS, INC.

Signed and Sealed in Presence of

Dianne Braden

By: _____ (SEAL)

And: _____ (SEAL)

William J. Ryan (SEAL)

President

_____ (SEAL)

State of Wisconsin, Texas
Harris *County.* } ss.

Personally came before me, this 7th *day of* , *A. D. 19* 67, *the above named*

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

Notary Public, *County, Wis.*
My commission expires *A. D. 19*

Drafted by Thomas A. Keller, III, Lawyer

(N.B.—Ch. 18 Wis. Stats. provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors.)

06-28-05;03:07PM;651-480-3827 # 7/

No. 267975

Pipe Line Technologists, Inc.

To

Great Northern Oil Co.

WARRANTY DEED

REGISTER'S OFFICE,
State of Wisconsin
Portage County.

Received for Record this 2nd day of February, A. D., 19 68 at 9:00 o'clock A. M., and recorded in Vol. 265 of Records on page 234

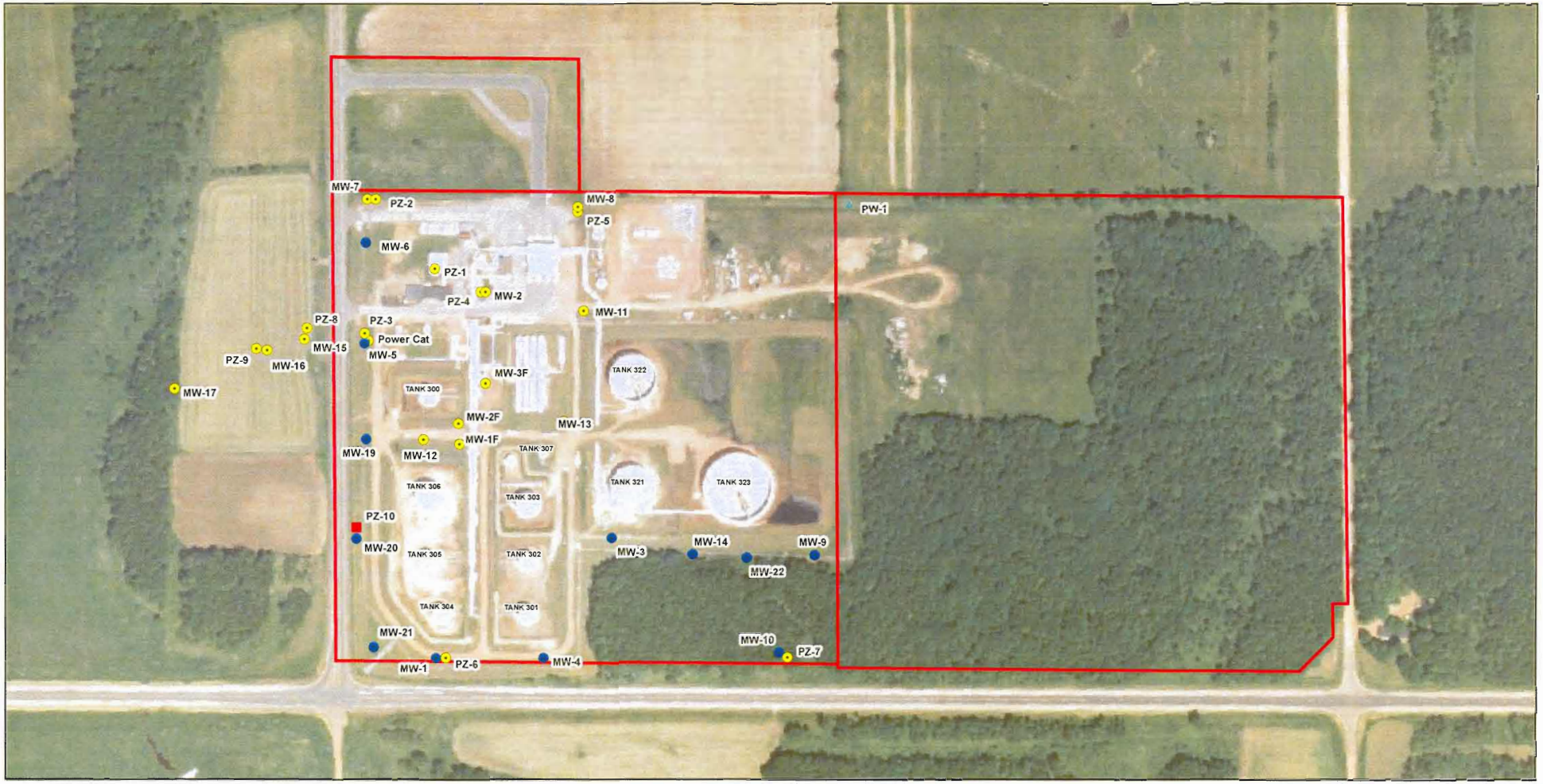
Lucian A. Hoka
Register of Deeds.

Deputy.

O'Connor, Green, Attys.
845 Northwestern Bank Bldg.
Minn. Minn. Fd 42.00

GIS REGISTRATION OFF-SOURCE PROPERTY ADDRESS LIST

OFF-SOURCE PROPERTY DESCRIPTION	OFF-SOURCE PROPERTY OWNER & ADDRESS
No specific property address is available other than the legal description for Parcel ID #012240706-8.01: See attached Quit Claim Deed	State of Wisconsin Department of Transportation 4802 Sheboygan Avenue PO Box 7910 Madison, WI 53707-7910 (former owners: James & Brenda Zarecki 3289 Oak Hill Road Junction City, WI 54443)



PROJECT: 5340048
DATE: 03/06/2008
DRAWN BY: CE
REVIEWED BY: GA
PHOTO SOURCE: PORTAGE COUNTY
YEAR: 2000
S:/gis/koch_gis/junction_city/Projects
/_Proposed Items/Well Location

TETRA TECH, INC.

MONITORING WELL LOCATIONS
JUNCTION CITY FUEL TERMINAL
FLINT HILLS RESOURCES, LP
PORTAGE COUNTY, WISCONSIN

N
W E
S

0 130 260 Feet

Legend

- Abandoned Well
- Active Monitoring Well
- Active Piezometer
- Potable Well
- Property Boundary

632505

QUIT CLAIM DEED

Register's Office
Portage County, WI
Received For Record

Date: 05/06/2003
Time: 01:30 PM

Cynthia A. Wisinski, Register of Deeds

Pd: 13.00
Fee Exempt #: 08M

Document Number

James A. Zarecki

of Portage County, Wisconsin, herein called grantor, whether one or more, for a valuable consideration, quit claims to

James A. Zarecki and Brenda K. Zarecki, husband and wife as survivorship marital property

of Portage County, Wisconsin, grantee, whether one or more, the following tract of land in Portage County, Wisconsin:

See attached Exhibit "A"

RETURN TO:
James & Brenda Zarecki
3289 Oak Hill Rd.
Junction City, WI 54443

Subject to covenants, conditions, restrictions and easements of record.

see attached Exhibit "A"
Tax Parcel ID#

This deed is given to create survivorship marital property between above named grantees.

This is homestead property of the grantor.

Dated this 25 day of April, 2003
(Use **BLACK INK** for signatures)

James A. Zarecki (SEAL)
James A. Zarecki

AUTHENTICATION

Signature(s) _____

authenticated this ____ day of _____, 2003

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

THIS INSTRUMENT WAS DRAFTED BY
Attorney Robert E. McDonald
(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF WISCONSIN)
SS
COUNTY OF PORTAGE)
Personally came before me this 25 day of April, 2003, the above named James A. Zarecki

to me known to be the person who executed the foregoing instrument and acknowledge the same.
(Use **BLACK INK** for signatures)

Bernice M. Kawleski
*Bernice M. Kawleski
Notary Public, Portage County,WI
My commission is permanent.(If not state expiration date: 10-23-05)

EXHIBIT "A"

Forty (40) acres on the East side of the North West Fractional Quarter of Section 6, Township 24 North, Range 7 East, exclusive of road on the North and East side thereof, and the One (1) acre deeded to the Trustees of the Evangelical Lutheran Trinity Church by deed recorded in Book 65 of Deeds, page 429, EXCEPTING parcel conveyed to the Wisconsin Public Service Corporation by deed recorded in Book 165 of Deeds, page 332 and EXCEPTING parcels conveyed to Portage County, Wisconsin, by deeds recorded in Book 163 of Miscellaneous, page 550 (b) and in Book 163 of Miscellaneous, page 576 (b), respectively, all of Portage County Registry Records. AND EXCEPT that part described in Document No. 628362 of Portage County Optical Records. (3289 Oak Hill Rd., Junction City, WI)

ALSO the South West Quarter of the North East Quarter, EXCEPT the West 208 feet 8 1/2 inches of the North 208 feet 8 1/2 inches of the South 417 1/2 feet lying East of the highway, located in Section 31, Township 25 North, Range 7 East, EXCEPT any part thereof used for road purposes. (2635 State Hwy 34, Junction City, WI)

Tax Key #012-24-0706-05.02 - 20.18 acres - $132,100.00
#012-24-0706-08.01 - 18.07 acres - $6,800.00
#012-25-0731-03.01 - 39.00 acres - $117,800.00

Portage County, Wisconsin

Assessment Report

Print Report

LISTING UPDATED ON: 06/07/2007

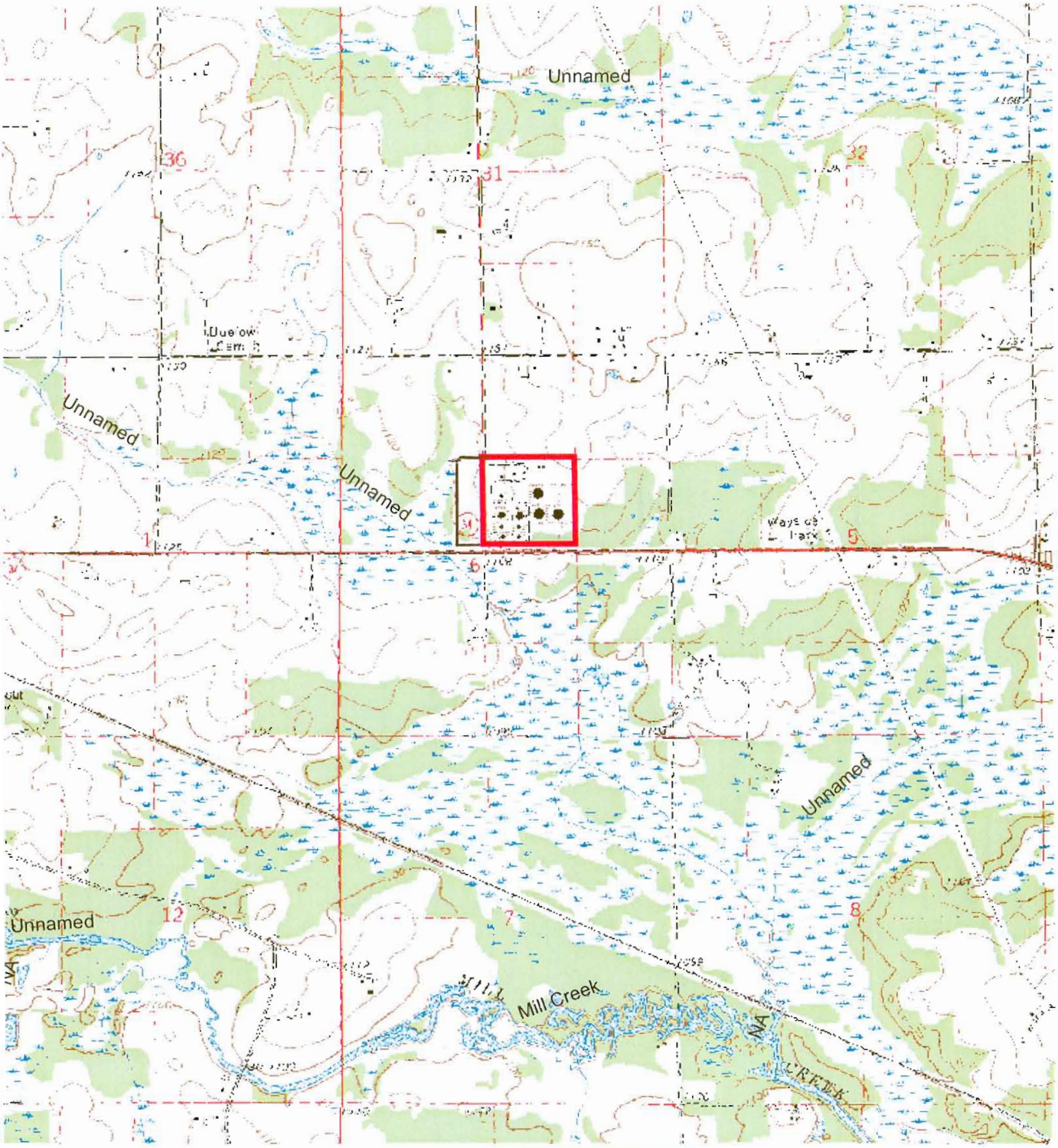
Location Information		Assessment Information	2005	2006
PIN:	012240706-08.01	Status:		
Mapping Number:		Assessed Acreage:	18.070	18.070
Municipality:	TOWN OF CARSON	Total Land Value:	$6,900.00	$6,900.00
Site Address:		Total Improved Value:	$0.00	$0.00
Section:	000	Total Value:	$6,900.00	$6,900.00
Township:	024	Fair Market Value:	$0.00	$0.00
Range:	000	Fair Market Ratio:		
Quarter-Section:		Original / Gross Tax:	$103.00	$121.00
Quarter-Quarter:		Total Lottery Credit:	$0.00	$0.00
Plat Block:		Total Net Tax:	$103.00	$121.00
Lot Number:		Total Special Assessments:	$0.00	$0.00
		Special Charges:		
Ownership Information		Delinquent Utilities:		
Primary Owner Name:	JAMES A & BRENDA K ZARECKI	Woodland Tax:		
Secondary Owner Name:		Managed Forest:		
Billing Address:	3289 OAK HILL ROAD	Private Forest:		
		Interest:		
	JUNCTION CITY WI 544430000	Penalty:		
Document Number:		Total Amount Due:	$103.00	$121.00
Volume:		Total Amount Paid:	$103.00	$121.00
Page:		Balance Due:	$0.00	$0.00

Legal Description

S1/2 OF 40 A ON E SIDE NW FRAC 1/4 EX PRT IN 165/349 & EX HWY(217/430) S6 T24 R7-8.1 18.07A 419/1030;629841 632505

Tax Payments

Tax Year	Date of Payment	Amount Paid	Interest Paid	Receipt Number
2005	12/30/2005	$103.00	$0.00	120812
2006	12/28/2006	$121.00	$0.00	640378



PROJECT: 534-0048
DATE: 03/24/2005
CREATED BY: TT
REVIEWED BY: GA
AIR PHOTO SOURCE:
PORTAGE COUNTY
YEAR: 2000

FIGURE 1
SITE LOCATION MAP
JUNCTION CITY BULK TERMINAL
FLINT HILLS RESOURCES, LP
PORTAGE COUNTY, WI

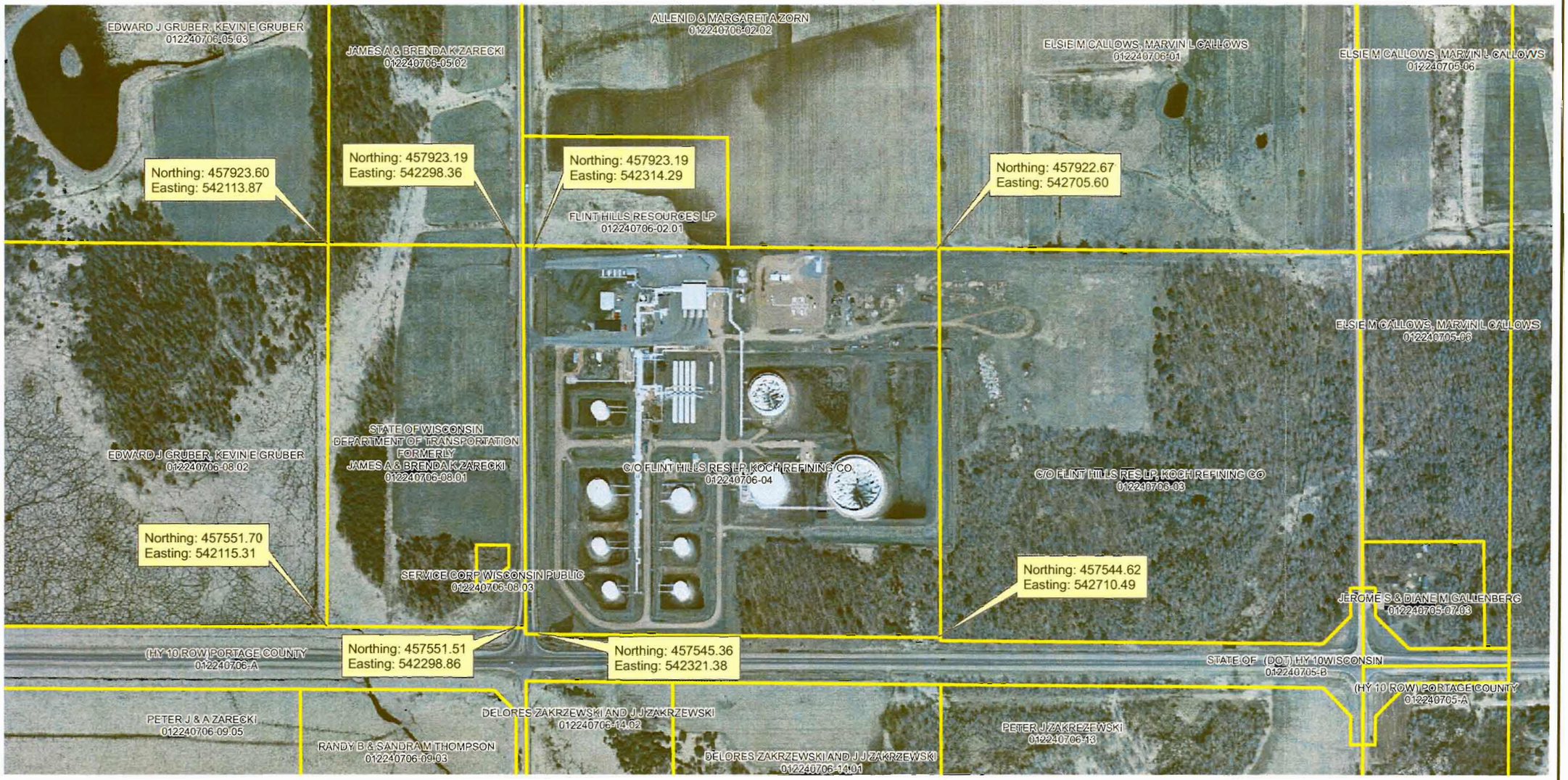
Legend

Site Location

MAXIM Technologies

N
W
E
S

Feet
0 1,000 2,000



PROJECT: 5340048
DATE: 1/3/2005
DRAWN BY: CE
REVIEWED BY: TT
PROPERTY SOURCE: PORTAGE COUNTY
YEAR: 2004
S:/gis/koch gis/Junction_city/Projects/Parcels1

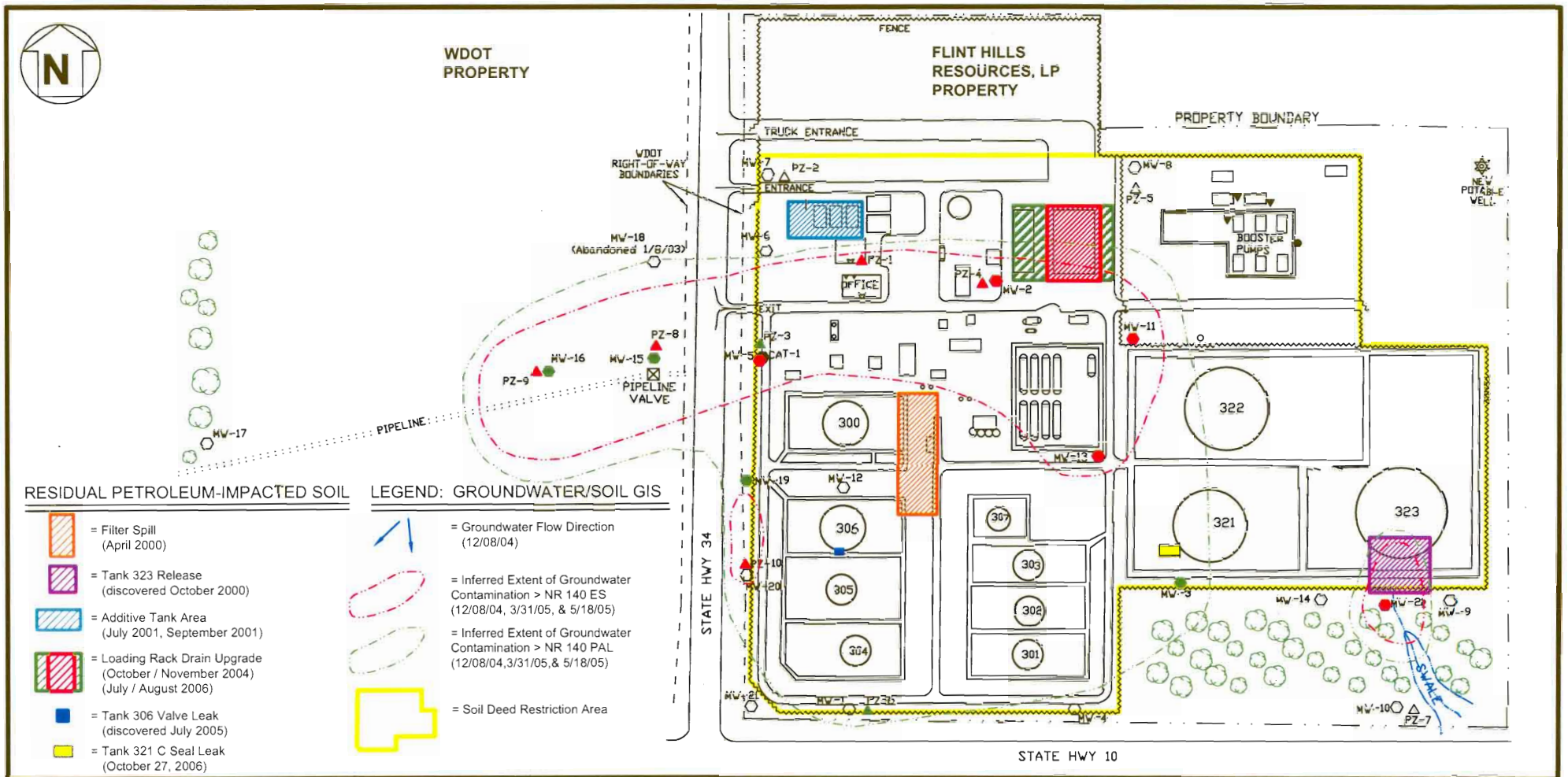
TETRA TECH, INC.

FIGURE 2
PARCEL ID MAP WTIH GEOGRAPHIC POSITION (WTM 83/91)
FLINT HILLS RESOURCES, LP
JUNCTION CITY TERMINAL
PORTAGE COUNTY, WISCONSIN

Legend
Parcel Boundaries

N W E S

0 150 300 Feet



TETRA TECH, INC.

Wausau, Wisconsin

FIGURE 1

SITE MAP for GIS REGISTRATION / DEED RESTRICTION

FLINT HILLS RESOURCES, LP

JUNCTION CITY TERMINAL

JUNCTION CITY, WI

PROJECT #: 5340048

DATE: 02/28/07

DRAWN BY: ALT/TT/MAM

REVIEWED BY: GMA

SCALE: Relative

FILE: S:\autocad\koch\junction\acad2000\GIS Registration\GIS Registration 2007 rev.dwg

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-1										NR 140 PAL	NR 140 ES
DATE	11/15/95	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	5/6/98	11/28/01		
PARAMETER												
Diesel Range Organics	210	131	ND	110	120	110	ND	170	123	-	NS	NS
Gasoline Range Organics	ND	ND	ND	ND	ND	ND	59	90	<50	-	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	0.487	*0.864*	ND	ND	*3.1*	*2.6*	*4.3*	**5.2**	*0.897*	*1.1*	*0.5*	**5**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<0.41	*200*	**1,000**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<0.22	*140*	**700**
Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	<2.0	0.51*	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	ND	ND	ND	ND	ND	0.46	<1.0	<0.46	*12*	**60**
Trimethylbenzenes[1]	ND	ND	ND	ND	0.9	ND	ND	ND	<1.0	0.31*	*96*	**480**
1,2-Dichloroethane	*2.34*	-	-	-	-	-	-	-	-	<0.23	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	ND	0.312	ND	ND	ND	ND	ND	ND	0.11	-	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*50*	**250**
Total PAH List	ND	0.312	ND	ND	ND	ND	ND	ND	0.28	-	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-1										NR 140 PAL	NR 140 ES
DATE	12/16/02	12/4/03	12/8/04									
PARAMETER												
Diesel Range Organics	213	<28	<23								NS	NS
Gasoline Range Organics	<50	<24	41*								NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	<0.31	<0.40	<0.18								*0.5*	**5**
Toluene	<0.3	<0.50	<0.21								*200*	**1,000**
Ethylbenzene	<0.5	<0.50	<0.18								*140*	**700**
Xylenes	<0.62	<0.60	<0.31								*1000*	**10,000**
Methyl-tert-butyl-ether	<0.3	<0.50	<0.18								*12*	**60**
Trimethylbenzenes[1]	<0.4	<0.50	<0.18								*96*	**480**
1,2-Dichloroethane	<0.17	<0.90	<0.22								*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<0.1	<0.11	<0.24**								*8*	**40**
Anthracene	<0.05	<0.020	--								*600*	**3,000**
Benzo(a)Pyrene	<0.017*	<0.0085	--								*0.02*	**0.2**
Benzo(b)fluoranthene	<0.04	<0.0066	--								*0.02*	**0.2**
Chrysene	<0.05	<0.025	--								*0.02*	**0.2**
Fluoranthene	<0.06	0.013*	--								*80*	**400**
Fluorene	<0.12	<0.042	--								*80*	**400**
Pyrene	<0.09	<0.021	--								*50*	**250**
Total PAH List	<0.12	0.013*	--								NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch
1.3 = concentration > PAL
9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-2										NR 140 PAL	NR 140 ES
DATE	11/15/95	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/6/98		
PARAMETER												
Diesel Range Organics	2360	4980	3080	3000	2500	1700	2000	2300	3250	2880	NS	NS
Gasoline Range Organics	3820	5560	4960	4800	3600	5500	5000	2400	4470	5800	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**822**	**846**	**743**	**730**	**710**	**1200**	**1200**	**480**	**1100**	**2020**	*0.5*	**5**
Toluene	68.6	62.8	171	34	28	*270*	61	13	71.1	31.5	*200*	**1,000**
Ethylbenzene	*242*	*324*	*237*	*280*	*250*	*290*	*300*	*120*	*229*	*202*	*140*	**700**
Xylenes	510	544	618	360	279	740	392	103	226.9	463	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	*20*	ND	**130**	**87**	**85**	*54*	*51*	ND	*<20.0*	*12*	**60**
Trimethylbenzenes[1]	*263.9*	*391*	*301.9*	*287*	*322*	*376*	*283*	*112*	*227.3*	*431.2*	*96*	**480**
1,2-Dichloroethane	ND	-	-	-	-	-	-	-	-	-	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	**63.2**	**74.8**	**63**	**52**	*34*	**53**	**63**	*20*	**58.2**	**89.6**	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.06	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.03	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*80*	**400**
Fluorene	ND	3.31	ND	2.5	1.8	1.2	1.9	2.0	ND	<0.04	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*50*	**250**
Total PAH List	126.9	160.71	119.8	120.5	73.77	89.2	121.7	51.3	130.5	194.1	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL

9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-2										NR 140 PAL	NR 140 ES
DATE	8/5/98	10/19/98	12/30/98	11/28/01	12/16/02	7/1/03	12/4/03	6/2/04	12/8/04			
PARAMETER												
Diesel Range Organics	2730	2430	2410	NS	2650	3600	3800	8500	9400		NS	NS
Gasoline Range Organics	5510	2120	3190	NS	3640	14000	17000	11000	15000		NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**2650**	**968**	**941**	**1400**	**1760**	**3400**	**5100**	**1100**	**3600**		*0.5*	**5**
Toluene	16.5	<20.0	<50	11*	<30	**3100**	**1700**	*490*	*720*		*200*	**1,000**
Ethylbenzene	*184*	34.8	69.4	12*	56.1	*560*	*460*	*330*	*220*		*140*	**700**
Xylenes	222	57.7	102	66	<92	*2730*	*4300*	*1300*	*3500*		*1000*	**10,000**
Methyl-tert-butyl-ether	<10.0	*47*	*<50*	*54*	**106**	**120**	**140**	*31**	**88***		*12*	**60**
Trimethylbenzenes[1]	*364*	*105.7*	*154*	51	<40	**670**	**1190**	**720**	**1140**		*96*	**480**
1,2-Dichloroethane	NS	NS	**<10.0**	*<4.6*	**<17**	**<9.0**	**<45**	**<22**	**<54**		*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	**93.6**	**43.7**	**74.4**	**56**	**81.7**	**160**	**230**	**140**	**260****		*8*	**40**
Anthracene	ND	ND	-	ND	<1.00	<0.40	<0.020	0.95	--		*600*	**3,000**
Benzo(a)Pyrene	<0.06	<0.06	-	<0.028	<0.34	<0.28	0.011*	<0.11	--		*0.02*	**0.2**
Benzo(b)fluoranthene	<0.03	<0.03	-	<0.12	<0.8	<0.26	*0.023*	<0.18	--		*0.02*	**0.2**
Chrysene	ND	ND	-	ND	<1.00	<0.28	<0.025	<0.21	--		*0.02*	**0.2**
Fluoranthene	ND	ND	-	ND	<1.20	<0.26	0.96	<0.10	--		*80*	**400**
Fluorene	<0.04	4.16	-	<0.24	<2.4	2.3	2.6	5.1	--		*80*	**400**
Pyrene	ND	ND	-	ND	<1.80	<0.34	<0.021	0.83	--		*50*	**250**
Total PAH List	199.9	98.21	-	93.0	121.1	165.3	458.069	372.98	--		NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch
1.3 = concentration > PAL
9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-3										NR 140 PAL	NR 140 ES
DATE	11/15/95	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/6/98		
PARAMETER												
Diesel Range Organics	1180	2670	1730	1700	1400	550	1100	530	2840	1020	NS	NS
Gasoline Range Organics	10,700	7860	5620	2000	2700	1600	960	1800	955	837	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**2690**	**1480**	**1680**	**850**	**930**	**550**	**400**	**380**	**244**	**180**	*0.5*	**5**
Toluene	**1550**	**1640**	169	74	140	3.9	20	52	62.8	10.2	*200*	**1,000**
Ethylbenzene	*463*	*223*	*228*	43	*170*	67	29	110	41.8	48.6	*140*	**700**
Xylenes	*3260*	*1692*	827	106	368	50.9	55	137	130.8	60.5	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	ND	**68**	*44*	*43*	*24*	*18*	ND	<1.0	*12*	**60**
Trimethylbenzenes[1]	**709**	*346.2*	*272.9*	19	*130*	25	17.2	*118*	24.3	37.9	*96*	**480**
1,2-Dichloroethane	ND	-	-	-	-	-	-	-	-	-	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	**46**	**51.2**	*18.2*	ND	4.5	ND	ND	ND	ND	0.06	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.06	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.03	*<0.03*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*80*	**400**
Fluorene	ND	ND	ND	ND	0.08	ND	ND	ND	ND	<0.04	*80*	**400**
Pyrene	ND	ND	ND	ND	0.09	ND	ND	ND	ND	ND	*50*	**250**
Total PAH List	66.49	64.3	ND	ND	6.78	ND	ND	ND	ND	.06	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-3										NR 140 PAL	NR 140 ES
DATE	8/5/98	10/19/98	12/30/98	11/28/01	12/16/02	12/4/03	12/8/04					
PARAMETER												
Diesel Range Organics	1060	1642	1350	NS	582	88	<23				NS	NS
Gasoline Range Organics	333	133	653	NS	<50	<24	91				NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**116**	**50.2**	**123**	**9.1**	0.334	*4.6*	*3.5*				*0.5*	**5**
Toluene	12.7	3.35	<10.0	2.4	<0.3	1.5*	2.2				*200*	**1,000**
Ethylbenzene	9.69	6.15	13.5	7	<0.5	4.8	5.0				*140*	**700**
Xylenes	7.6	9.69	22.2	16	<0.92	12.2	11.9				*1000*	**10,000**
Methyl-tert-butyl-ether	<1.0	<1.0	*12.1*	0.5*	<0.3	<0.50	<0.18				*12*	**60**
Trimethylbenzenes[1]	10.26	3.62	<10.0	15.2	<0.4	7.3	12.3				*96*	**480**
1,2-Dichloroethane	-	-	**<10.0**	<0.33	<0.17	*<0.90*	<0.22				*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<0.05	<0.05	*12.8*	2.5	0.27	<0.11	1.6**				*8*	**40**
Anthracene	ND	ND	-	-	<0.05	<0.020	--				*600*	**3,000**
Benzo(a)Pyrene	<0.06	<0.06	-	-	<0.017	<0.0085	--				*0.02*	**0.2**
Benzo(b)fluoranthene	<0.03	<0.03	-	-	<0.04	0.0075*	--				*0.02*	**0.2**
Chrysene	ND	ND	-	-	<0.05	<0.025	--				*0.02*	**0.2**
Fluoranthene	ND	ND	-	-	<0.06	0.013*	--				*80*	**400**
Fluorene	<0.04	<0.04	-	-	<0.12	<0.042	--				*80*	**400**
Pyrene	ND	ND	-	-	<0.09	<0.021	--				*50*	**250**
Total PAH List	<0.08	<0.08	-	-	0.27	0.0205*	--				NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch
1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-4										NR 140 PAL	NR 140 ES
DATE	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	5/13/98	12/16/02	12/4/03	12/8/04		
PARAMETER												
Diesel Range Organics	311	218	170	ND	ND	ND	126	116	-	27*	NS	NS
Gasoline Range Organics	ND	ND	ND	ND	ND	ND	<50	<50	-	<15	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	*0.583*	ND	ND	ND	ND	ND	<0.5	<0.31	<0.40	<0.18	*0.5*	**5**
Toluene	ND	ND	ND	ND	ND	ND	<1.0	<0.3	<0.50	0.22*	*200*	**1,000**
Ethylbenzene	ND	ND	ND	ND	ND	ND	<1.0	<0.5	<0.50	<0.18	*140*	**700**
Xylenes	1.22	ND	ND	ND	ND	ND	<2.0	<0.92	<0.60	<0.31	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	ND	ND	ND	ND	<1.0	<0.3	<0.50	<0.18	*12*	**60**
Trimethylbenzenes[1]	ND	ND	ND	ND	ND	ND	<1.0	<0.4	<0.50	<0.18	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	<0.17	<0.90	<0.22	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	ND	ND	ND	ND	ND	ND	<0.05	<0.10	<0.11	<0.24**	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	<0.05	<0.020	--	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	<0.03	<0.017	<0.0085	--	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	<0.03	<0.04	<0.0066	--	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	<0.05	<0.025	--	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	<0.06	0.023	--	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	<0.04	<0.12	<0.042	--	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	<0.09	<0.021	--	*50*	**250**
Total PAH List	0.137	ND	ND	ND	ND	ND	<0.08	<0.12	0.033	--	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- = Not Analyzed
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch
1.3 = concentration > PAL
9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-5										NR 140 PAL	NR 140 ES
DATE	2/21/1996	6/27/1996	11/13/1996	2/17/1997	5/19/1997	8/13/1997	11/12/1997	2/4/1998	5/6/1998	8/5/1998		
PARAMETER												
Diesel Range Organics	2870	2670	3100	-	2500	3000	2800	2740	3440	4140	NS	NS
Gasoline Range Organics	6810	11,800	13,000	-	13,000	13,000	11,000	10,600	13,200	13,100	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**1170**	**2370**	**2600**	-	**2600**	**2900**	**2400**	**2540**	**3200**	**3920**	*0.5*	**5**
Toluene	*848*	*938*	**1000**	-	**1300**	*740*	*730*	*768*	**1160**	**1320**	*200*	**1,000**
Ethylbenzene	*312*	*552*	*690*	-	**720**	**740**	*610*	*633*	**781**	**888**	*140*	**700**
Xylenes	*887*	*1129*	*1460*	-	*1620*	*1260*	*1160*	*1193*	*1612*	*1888*	*1000*	**10,000**
Methyl-tert-butyl-ether	**105**	ND	**61**	-	**65**	*41*	**75**	ND	*<50*	*<50*	*12*	**60**
Trimethylbenzenes[1]	*386.4*	**534**	**700**	-	**790**	**769**	**570**	**640**	**840**	**931**	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	**90.6**	**144**	**100**	-	**110**	**120**	**150**	**160**	**160**	**150**	*8*	**40**
Anthracene	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	-	ND	ND	ND	ND	<0.06	<0.06	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	-	ND	ND	ND	ND	<0.03	<0.03	*0.02*	**0.2**
Chrysene	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	*80*	**400**
Fluorene	ND	ND	ND	-	1.4	ND	2.4	ND	<0.04	<0.04	*80*	**400**
Pyrene	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	*50*	**250**
Total PAH List	186.9	292.1	175.0	-	199.4	229.0	266.3	295.1	325.2	293.1	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL

9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-5										NR 140 PAL	NR 140 ES
DATE	10/19/98	12/30/98	11/28/01	12/16/02	3/18/03	7/1/03	9/22/03	12/4/03	3/2/04	6/2/04		
PARAMETER												
Diesel Range Organics	3700	4230	NS	2840	3100	3900	3500	2800	4200	3500	NS	NS
Gasoline Range Organics	12,100	15,300	NS	15000	17000	15000	12000	10000	10000	10000	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**3000**	**3510**	**4300**	**3120**	**3700**	**4900**	**3100**	**2800**	**2300**	**2400**	*0.5*	**5**
Toluene	*844*	*856*	*680*	*914*	**1500**	**1700**	*890*	*620*	*450*	*380*	*200*	**1,000**
Ethylbenzene	**700**	**707**	*590*	*642*	**870**	**1100**	**710**	*640*	*470*	*580*	*140*	**700**
Xylenes	*1383*	*1234*	*1430*	*1495*	*2460*	*2640*	*1420*	*1330*	*1030*	730	*1000*	**10,000**
Methyl-tert-butyl-ether	**180**	**<200**	**76**	**<75**	**<100**	**65**	*35*	*<50*	*45**	*<45*	*12*	**60**
Trimethylbenzenes[1]	**770**	**521**	**600**	**548**	**880**	**1120**	**710**	**650**	**490**	**580**	*96*	**480**
1,2-Dichloroethane	-	**<200**	**<12**	**<42.5**	**<180**	**<19**	-	**<90**	**<35**	**<54**	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	**105**	**402**	**180**	**205**	**280**	**320****	**200**	**130**	**250**	**150**	*8*	**40**
Anthracene	ND	-	-	<5.00	<0.023	<0.40	<0.022	<0.020	<1.2	<0.59	*600*	**3,000**
Benzo(a)Pyrene	*<0.06*	-	-	**<1.70**	<0.0063	<0.28	<0.0095	<0.0085	<1.1	<0.53	*0.02*	**0.2**
Benzo(b)fluoranthene	*<0.03*	-	-	**<4.00**	<0.0045	<0.26	0.0084*	0.011*	<1.8	<0.91	*0.02*	**0.2**
Chrysene	ND	-	-	**<5.00**	<0.021	<0.28	<0.027	<0.025	<2.1	<0.62	*0.02*	**0.2**
Fluoranthene	ND	-	-	<6.00	0.81	<0.26	0.36	0.65	<1.0	<0.52	*80*	**400**
Fluorene	2.74	-	-	<12.0	<0.11	2.8	<0.047	2.3	6.8	5.2	*80*	**400**
Pyrene	ND	-	-	<9.00	<0.028	<0.34	<0.023	<0.021	<1.1	<0.53	*50*	**250**
Total PAH List	208.94	-	-	399.7	485.042	326.6	461.5684	283.361	269.8	332.2	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
** = Result taken from the VOC list as PAH result (240) was invalid due to dilution

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-5										NR 140 PAL	NR 140 ES
DATE	8/31/04	12/8/04	3/31/05									
PARAMETER												
Diesel Range Organics	3400	3000	2600								NS	NS
Gasoline Range Organics	12000	9200	11000								NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**3200**	**2600**	**2500**								*0.5*	**5**
Toluene	*950*	*480*	*640*								*200*	**1,000**
Ethylbenzene	**750**	*250*	*660*								*140*	**700**
Xylenes	*1720*	980	*1470*								*1000*	**10,000**
Methyl-tert-butyl-ether	*<45*	*<36*	*<30*								*12*	**60**
Trimethylbenzenes[1]	**690**	*474*	**720**								*96*	**480**
1,2-Dichloroethane	**<54**	**<43**	**<18**								*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	**220**	**140****	*32*								*8*	**40**
Anthracene	<0.59	--	<1.8								*600*	**3,000**
Benzo(a)Pyrene	<0.53	--	<1.8								*0.02*	**0.2**
Benzo(b)fluoranthene	<0.91	--	<1.8								*0.02*	**0.2**
Chrysene	<1.0	--	<1.7								*0.02*	**0.2**
Fluoranthene	<0.52	--	<1.7								*80*	**400**
Fluorene	5.2	--	<2.2								*80*	**400**
Pyrene	<0.53	--	<1.6								*50*	**250**
Total PAH List	415.3	--	47.8								NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-6										NR 140 PAL	NR 140 ES
DATE	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/6/98	8/5/98		
PARAMETER												
Diesel Range Organics	220	142	ND	-	ND	ND	270	150	136	194	NS	NS
Gasoline Range Organics	ND	ND	ND	-	ND	ND	ND	ND	56.5	290	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**8.64**	**6.49**	ND	-	*1.3*	0.3	ND	ND	**16.1**	**186**	*0.5*	**5**
Toluene	ND	ND	ND	-	ND	ND	ND	ND	<1.0	<1.0	*200*	**1,000**
Ethylbenzene	ND	ND	ND	-	ND	ND	ND	ND	<1.0	<1.0	*140*	**700**
Xylenes	ND	ND	ND	-	ND	ND	ND	ND	<2.0	2.16	*1000*	**10,000**
Methyl-tert-butyl-ether	3.51	3.71	ND	-	1.3	0.5	0.53	ND	1.09	<1.0	*12*	**60**
Trimethylbenzenes[1]	ND	ND	ND	-	ND	ND	ND	ND	<1.0	<1.0	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	ND	ND	ND	-	ND	ND	ND	ND	0.51	0.926	*8*	**40**
Anthracene	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	-	ND	ND	ND	ND	**0.49**	<0.12	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	-	ND	ND	ND	ND	**0.29**	<0.06	*0.02*	**0.2**
Chrysene	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	*80*	**400**
Fluorene	ND	ND	ND	-	ND	ND	ND	ND	<0.08	<0.08	*80*	**400**
Pyrene	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	*50*	**250**
Total PAH List	ND	ND	ND	-	ND	ND	ND	ND	2.17	1.122	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-6										NR 140 PAL	NR 140 ES
DATE	10/19/98	12/30/98	11/28/01	12/16/02	12/4/03	12/8/04						
PARAMETER												
Diesel Range Organics	365	286	NS	228	<27	<23					NS	NS
Gasoline Range Organics	640	61.2	NS	101	<24	<15					NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**290**	*4.92*	0.26*	**32.2**	<0.40	<0.18					*0.5*	**5**
Toluene	1.88	<1.0	<0.41	<1.5	<0.50	<0.21					*200*	**1,000**
Ethylbenzene	<1.0	<1.0	<0.22	<2.5	<0.50	<0.18					*140*	**700**
Xylenes	<2.0	<2.0	<0.43	<4.6	<0.60	<0.31					*1000*	**10,000**
Methyl-tert-butyl-ether	*17.5*	11.6	8.6	*14.0*	10	5.1					*12*	**60**
Trimethylbenzenes[1]	4.94	<1.0	<0.34	<2.00	<0.50	<0.18					*96*	**480**
1,2-Dichloroethane	NS	<1.0	<0.23	<0.85	<0.90	<0.22					*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	0.399	<1.0	<0.69	<0.11	<0.11	<0.24**					*8*	**40**
Anthracene	ND	-	-	<0.05	<0.020	--					*600*	**3,000**
Benzo(a)Pyrene	<0.06	-	-	<0.017	<0.0087	--					*0.02*	**0.2**
Benzo(b)fluoranthene	<0.03	-	-	<0.04	<0.0067	--					*0.02*	**0.2**
Chrysene	ND	-	-	<0.05	<0.025	--					*0.02*	**0.2**
Fluoranthene	ND	-	-	<0.06	0.018	--					*80*	**400**
Fluorene	<0.04	-	-	<0.12	<0.043	--					*80*	**400**
Pyrene	ND	-	-	<0.09	<0.021	--					*50*	**250**
Total PAH List	0.399	-	-	<0.12	0.018	--					NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch
1.3 = concentration > PAL
9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-7										NR 140 PAL	NR 140 ES
DATE	6/27/96	11/13/96	2/17/97	5/19/97	8/19/97	5/13/98	12/16/02	12/4/03	12/8/04			
PARAMETER												
Diesel Range Organics	ND	120	160	130	ND	<100	111	<27	<23		NS	NS
Gasoline Range Organics	206	ND	ND	ND	ND	<50	<50.0	<24	<15		NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ND	ND	0.2	ND	<0.5	<0.31	0.40*	0.24*		*0.5*	**5**
Toluene	ND	ND	ND	ND	ND	<1.0	<0.3	<0.50	<0.21		*200*	**1,000**
Ethylbenzene	3.37	ND	ND	ND	ND	<1.0	<0.5	<0.50	<0.18		*140*	**700**
Xylenes	ND	ND	ND	ND	ND	<2.0	<0.62	<0.60	<0.31		*1000*	**10,000**
Methyl-tert-butyl-ether	ND	2.2	1.6	1.3	1.4	<1.0	2.38	3.2	3.2		*12*	**60**
Trimethylbenzenes[1]	ND	ND	ND	ND	ND	<1.0	<0.4	<0.50	<0.18		*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	<0.17	<0.90	<0.22		*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	ND	ND	ND	ND	ND	<0.05	<0.11	<0.11	<0.24**		*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	<0.05	<0.020	--		*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	<0.06	<0.017	<0.0085	--		*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	<0.03	<0.04	<0.0066	--		*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	<0.05	<0.025	--		*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	<0.06	0.019	--		*80*	**400**
Fluorene	ND	ND	ND	ND	ND	<0.04	<0.12	<0.042	--		*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	<0.09	<0.021	--		*50*	**250**
Total PAH List	ND	ND	ND	ND	ND	<0.08	<0.12	0.019	--		NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch
1.3 = concentration > PAL
9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-8										NR 140 PAL	NR 140 ES
DATE	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/19/97	11/12/97	2/4/98	5/6/98	12/16/02		
PARAMETER												
Diesel Range Organics	ND	ND	ND	ND	ND	150	160	206	<100	<100	NS	NS
Gasoline Range Organics	3380	ND	ND	ND	ND	220	ND	ND	<50	<50	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ND	ND	ND	ND	**21**	0.38	ND	<0.5	<0.31	*0.5*	**5**
Toluene	ND	ND	ND	ND	ND	2.7	ND	ND	<1.0	<0.3	*200*	**1,000**
Ethylbenzene	ND	ND	ND	ND	ND	2.4	ND	ND	<1.0	<0.05	*140*	**700**
Xylenes	ND	ND	ND	ND	ND	53	ND	ND	<2.0	<0.92	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	ND	ND	ND	0.5	ND	ND	<1.0	<0.3	*12*	**60**
Trimethylbenzenes[1]	ND	ND	ND	ND	ND	18.7	ND	ND	<1.1	<0.4	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	<0.17	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	ND	ND	ND	ND	ND	3.1	ND	ND	0.26	<0.1	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.05	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	<0.06	<0.017	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	<0.03	<0.04	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.05	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.06	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	<0.04	<0.12	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.09	*50*	**250**
Total PAH List	ND	ND	ND	ND	ND	4.7	ND	ND	0.52	<0.17	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL

9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-8										NR 140 PAL	NR 140 ES
DATE	12/4/03	12/8/04										
PARAMETER												
Diesel Range Organics	<27	<23									NS	NS
Gasoline Range Organics	<24	18*									NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	*0.93**	<0.18									*0.5*	**5**
Toluene	<0.50	0.27*									*200*	**1,000**
Ethylbenzene	<0.50	<0.18									*140*	**700**
Xylenes	<0.60	<0.31									*1000*	**10,000**
Methyl-tert-butyl-ether	<0.50	<0.18									*12*	**60**
Trimethylbenzenes[1]	<0.50	<0.18									*96*	**480**
1,2-Dichloroethane	<0.90	<0.22									*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	1.7	<0.24**									*8*	**40**
Anthracene	<0.020	--									*600*	**3,000**
Benzo(a)Pyrene	<0.0086	--									*0.02*	**0.2**
Benzo(b)fluoranthene	<0.0067	--									*0.02*	**0.2**
Chrysene	<0.025	--									*0.02*	**0.2**
Fluoranthene	0.013*	--									*80*	**400**
Fluorene	<0.043	--									*80*	**400**
Pyrene	<0.021	--									*50*	**250**
Total PAH List	2.083	--									NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch

1.3 = concentration > PAL

9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-9										NR 140 PAL	NR 140 ES
DATE	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	5/13/98	12/16/02	12/4/03	12/8/04		
PARAMETER												
Diesel Range Organics	252	136	ND	ND	ND	210	<100	<100	<27	<23	NS	NS
Gasoline Range Organics	ND	ND	ND	ND	ND	ND	<50	<50	<24	<15	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	*0.513*	ND	ND	ND	ND	ND	<0.5	<0.31	<0.40	<0.12	*0.5*	**5**
Toluene	ND	ND	ND	ND	ND	ND	<1.0	<0.3	<0.50	<0.20	*200*	**1,000**
Ethylbenzene	ND	ND	ND	ND	ND	ND	<1.0	<0.5	<0.50	<0.14	*140*	**700**
Xylenes	ND	ND	ND	ND	ND	ND	<2.0	<0.62	<0.60	<0.26	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	ND	ND	ND	ND	<1.0	<0.3	<0.50	<0.14	*12*	**60**
Trimethylbenzenes[1]	ND	ND	ND	ND	ND	ND	<1.0	<0.4	<0.50	<0.14	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	<0.17	<0.30	<0.13	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	0.327	ND	ND	ND	ND	ND	<0.05	<0.1	<0.50	<0.16**	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	<0.05	<0.020	--	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	<0.06	<0.017	<0.0085	--	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	<0.03	<0.04	<0.0066	--	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	<0.05	<0.025	--	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	<0.06	0.014*	--	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	<0.04	<0.12	<0.042	--	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	<0.09	<0.021	--	*50*	**250**
Total PAH List	0.327	ND	ND	ND	ND	ND	<0.08	<0.12	0.014*	--	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch

1.3 = concentration > PAL

9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-10										NR 140 PAL	NR 140 ES
DATE	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/13/98	11/28/01		
PARAMETER												
Diesel Range Organics	411	118	ND	ND	ND	ND	ND	ND	360	-	NS	NS
Gasoline Range Organics	ND	ND	ND	ND	ND	ND	ND	ND	<50	-	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	<0.5	<0.21	*0.5*	**5**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<0.41	*200*	**1,000**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<0.22	*140*	**700**
Xylenes	1.27	ND	ND	ND	ND	ND	ND	ND	<2.0	<0.69	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<0.46	*12*	**60**
Trimethylbenzenes[1]	1.50	ND	ND	ND	ND	ND	ND	ND	<1.0	<0.34	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	<0.05	-	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	<0.06	-	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	<0.03	-	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	<0.04	-	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*50*	**250**
Total PAH List	0.292	ND	ND	ND	ND	ND	ND	ND	<0.08	-	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-10										NR 140 PAL	NR 140 ES
DATE	12/16/02	12/4/03	12/8/04									
PARAMETER												
Diesel Range Organics	<100	59	<23								NS	NS
Gasoline Range Organics	<50	<24	<15								NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	<0.31	<0.40	<0.12								*0.5*	**5**
Toluene	<0.3	<0.50	<0.20								*200*	**1,000**
Ethylbenzene	<0.5	<0.50	<0.14								*140*	**700**
Xylenes	<0.92	<0.60	<0.26								*1000*	**10,000**
Methyl-tert-butyl-ether	<03	<0.50	<0.14								*12*	**60**
Trimethylbenzenes[1]	<0.4	<0.50	<0.14								*96*	**480**
1,2-Dichloroethane	<0.17	<0.90	<0.13								*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<0.1	<0.11	<0.16**								*8*	**40**
Anthracene	<0.05	<0.020	--								*600*	**3,000**
Benzo(a)Pyrene	<0.017	<0.0085	--								*0.02*	**0.2**
Benzo(b)fluoranthene	<0.04	<0.0066	--								*0.02*	**0.2**
Chrysene	<0.05	<0.025	--								*0.02*	**0.2**
Fluoranthene	<0.06	<0.0047	--								*80*	**400**
Fluorene	<0.12	<0.042	--								*80*	**400**
Pyrene	<0.09	<0.021	--								*50*	**250**
Total PAH List	<0.12	0.018*	--								NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch

1.3 = concentration > PAL

9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-11													NR 140 PAL	NR 140 ES
DATE	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/6/98	8/5/98	10/19/98	12/30/98	11/28/01	5/18/05		
PARAMETER															
Diesel Range Organics	3640	3100	2300	3300	3000	3300	4930	4320	4270	3620	7460	-	4600	NS	NS
Gasoline Range Organics	9200	4100	2000	4300	4100	2900	1050	7100	9900	2660	3100	-	2900	NS	NS
VOLATILE ORGANIC COMPOUNDS															
Benzene	**139**	**120**	**30**	**200**	**140**	**130**	**38.6**	**182**	**440**	**227**	**168**	**43**	**80**	*0.5*	**5**
Toluene	*317*	5.7	8.6	*530*	16	5.2	ND	*512*	**1100**	19.3	14.2	130	*210*	*200*	**1,000**
Ethylbenzene	*331*	*220*	49	*370*	*250*	130	27.4	*405*	*680*	*212*	89.4	100	*230*	*140*	**700**
Xylenes	*1569*	236.7	65	920	400	180	46	*1659*	*3110*	259.9	114.2	540	860	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	3.9	ND	5.3	1.4	3.4	ND	*<20.0*	*<50*	<5.0	<10.0	<2.3	<1.2	*12*	**60**
Trimethylbenzenes[1]	**1032**	*177*	95.9	*129*	*290*	*212*	43.8	**865**	**1482**	*243.4*	*96.9*	*228*	**500**	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	*<10.0*	*<1.2*	*<0.72*	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS															
Naphthalene	**108**	ND	ND	*25*	**45**	*20*	*13.8*	**122**	**134**	**50.9**	**60.3**	*25*	**50**	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	<0.018	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	<0.06	<0.06	<0.06	-	-	<0.018	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	<0.03	<0.03	<0.03	-	-	<0.018	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	<0.017	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	<0.017	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	0.88	ND	<0.04	<0.04	<0.04	-	-	0.15	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	<0.016	*50*	**250**
Total PAH List	218.0	ND	1.0	40.6	91.0	31.1	20.27	282.7	299.8	81.3	60.3	25.0	94.38	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-12										NR 140 PAL	NR 140 ES
DATE	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	5/6/98	8/5/98	10/19/98	12/30/98	11/28/01		
PARAMETER												
Diesel Range Organics	10,200	3300	2300	2500	2200	1660	4180	1120	2940	-	NS	NS
Gasoline Range Organics	2580	3200	3100	2700	2100	1900	2100	1710	1090	-	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**45.2**	**34**	**20**	**17**	**10**	**7.96**	**6.99**	**9.5**	**6.99**	*2.7**	*0.5*	**5**
Toluene	6.14	3.1	3.0	2.1	1.2	4.35	14.3	<1.0	<5.0	<4.1	*200*	**1,000**
Ethylbenzene	121	62	62	53	42	30.5	44.7	13.4	9.93	8.4	*140*	**700**
Xylenes	104.6	48.1	42.6	36.5	28.7	16.11	25.6	<3.42	<10.0	<4.3	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	7.3	*35*	*16*	<1.0	<5.0	<1.0	<5.0	<4.6	*12*	**60**
Trimethylbenzenes[1]	*177.9*	88.1	83.6	68.5	52.7	27.31	49.9	2.08	<10.0	5.4*	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	*<5.0*	*<2.3*	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	**65.2**	*21*	*9.2*	*9.3*	*13*	6.23	*10.5*	<0.05	7.82	<6.9	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	-	-	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	<0.06	<0.06	<0.06	-	-	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	<0.03	<0.03	<0.03	-	-	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	-	-	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	-	-	*80*	**400**
Fluorene	8.93	4.8	2.4	2.5	2.9	<0.04	<0.04	0.419	-	-	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	-	-	*50*	**250**
Total PAH List	265.03	84.18	38.96	40.62	50.4	24.74	44.0	0.419	-	-	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-13													NR 140 PAL	NR 140 ES
DATE	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/6/98	8/5/98	10/19/98	12/30/98	11/28/01	5/18/05		
PARAMETER															
Diesel Range Organics	1140	1100	1300	740	2200	1200	797	845	1410	1150	1610	NS	310	NS	NS
Gasoline Range Organics	961	860	1500	740	1300	1100	410	957	959	1170	1010	NS	210	NS	NS
VOLATILE ORGANIC COMPOUNDS															
Benzene	**31.1**	**85**	**130**	**29**	**71**	**96**	**32.5**	**27.1**	**57.5**	**64.1**	**76.2**	**8.5**	**6.9**	*0.5*	**5**
Toluene	2.03	3.6	3.8	1.4	0.9	1.5	2.74	<1.0	<5.0	1.74	<5.0	<0.41	<0.67	*200*	**1,000**
Ethylbenzene	40.0	60	*150*	68	80	89	32.0	71.0	87.9	53.5	57.6	1.3	8.3	*140*	**700**
Xylenes	23.7	32	41	13.1	13	11.2	5.66	12.47	<10.0	6.83	<10.0	<0.43	<1.8	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	1.4	1.8	2.1	2.1	1.4	ND	<1.0	<5.0	<1.0	<5.0	<0.46	<0.61	*12*	**60**
Trimethylbenzenes[1]	45.38	50.0	94.9	42.4	61.4	53.9	19.57	63.78	59.0	25.7	22.5	0.84	6.0	*96*	**480**
1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*<5.0*	<0.23	<0.36	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS															
Naphthalene	7.12	*14*	*13*	7.2	*15*	*14*	2.19	4.61	*19.5*	0.1	*27.6*	<0.69	1.1	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	<0.018	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	*0.31*	*<0.06*	*<0.12*	-	-	<0.018	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	*0.15*	*<0.03*	*<0.06*	-	-	<0.018	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	<0.017	*0.02*	**0.2**
Fluoranthene	ND	0.28	ND	0.23	0.2	0.68	ND	<0.04	<0.04	<0.08	-	-	<0.017	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	0.086	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	<0.017	*50*	**250**
Total PAH List	14.92	22.23	22.7	13.79	25.8	25.48	3.413	9.56	33.6	0.1	-	-	2.33	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-14										NR 140 PAL	NR 140 ES
DATE	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/6/98	11/28/01	12/16/02		
PARAMETER												
Diesel Range Organics	705	220	130	150	230	190	260	195	NS	131	NS	NS
Gasoline Range Organics	1200	140	ND	93	ND	ND	ND	<50	NS	<50	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**364**	**89**	**29**	**36**	*3.6*	*4.6*	**6.21**	*0.934*	*2.9*	<0.31	*0.5*	**5**
Toluene	9.68	ND	ND	0.6	ND	ND	ND	<1.0	<0.41	<0.3	*200*	**1,000**
Ethylbenzene	6.97	ND	ND	ND	ND	ND	ND	<1.0	<0.22	<0.5	*140*	**700**
Xylenes	117.8	ND	ND	1.8	ND	ND	ND	<2.0	<0.43	<0.92	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	6.9	7.1	5.8	2.7	2.2	ND	1.26	<0.46	<0.3	*12*	**60**
Trimethylbenzenes[1]	89.9	ND	ND	2.7	ND	ND	ND	<1.0	<0.36	<0.4	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	<0.17	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	7.54	ND	ND	ND	ND	ND	ND	0.06	-	<0.1	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	-	<0.05	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	<0.06	-	<0.017	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	<0.03	-	<0.04	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	-	<0.05	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	-	<0.06	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	ND	<0.04	-	<0.12	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	-	<0.09	*50*	**250**
Total PAH List	18.06	ND	ND	ND	ND	ND	ND	0.06	-	<0.12	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-14										NR 140 PAL	NR 140 ES
DATE	12/4/03	12/8/04										
PARAMETER												
Diesel Range Organics	<27	120									NS	NS
Gasoline Range Organics	<24	<15									NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	0.46*	<0.12									*0.5*	**5**
Toluene	<0.50	<0.20									*200*	**1,000**
Ethylbenzene	<0.50	<0.14									*140*	**700**
Xylenes	<0.60	<0.26									*1000*	**10,000**
Methyl-tert-butyl-ether	<0.50	<0.14									*12*	**60**
Trimethylbenzenes[1]	<0.50	<0.14									*96*	**480**
1,2-Dichloroethane	<0.90	<0.13									*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<0.11	<0.16**									*8*	**40**
Anthracene	<0.020	--									*600*	**3,000**
Benzo(a)Pyrene	<0.0085	--									*0.02*	**0.2**
Benzo(b)fluoranthene	<0.0066	--									*0.02*	**0.2**
Chrysene	<0.025	--									*0.02*	**0.2**
Fluoranthene	<0.0047	--									*80*	**400**
Fluorene	<0.042	--									*80*	**400**
Pyrene	<0.021	--									*50*	**250**
Total PAH List	<0.11	--									NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch
1.3 = concentration > PAL
9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-15										NR 140 PAL	NR 140 ES
DATE	6/27/96	9/19/96	11/13/96	5/19/97	8/13/97	11/12/97	2/4/98	5/6/98	8/5/98	10/19/98		
PARAMETER												
Diesel Range Organics	417	479	510	360	310	520	435	387	295	336	NS	NS
Gasoline Range Organics	109	ND	ND	72	ND	ND	ND	<50	<50	<50	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**39.3**	*0.768*	*0.7*	**36**	*2.6*	**9.6**	*0.682*	**7.24**	*1.02*	**7.13**	*0.5*	**5**
Toluene	ND	ND	ND	ND	ND	ND	24.6	<1.0	<1.0	<1.0	*200*	**1,000**
Ethylbenzene	1.88	ND	ND	0.3	ND	ND	ND	<1.0	<1.0	<1.0	*140*	**700**
Xylenes	1.47	ND	ND	ND	ND	ND	ND	<2.0	<2.0	<2.0	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	4.47	7.1	11	8.4	9.0	ND	*20.6*	9.21	*18.6*	*12*	**60**
Trimethylbenzenes[1]	1.47	ND	ND	ND	ND	ND	ND	<2.0	<2.0	<2.0	*96*	**480**
1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	0.450	ND	ND	ND	ND	ND	ND	0.18	<0.1	0.133	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	<0.06	<0.12	<0.12	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	<0.03	<0.06	<0.06	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*50*	**250**
Total PAH List	0.450	ND	ND	ND	ND	ND	ND	0.38	<0.16	0.133	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL

9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
KOCH PIPELINE COMPANY, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-15										NR 140 PAL	NR 140 ES
DATE	12/30/98	4/14/99	4/6/00	5/29/01	10/29/01	11/28/01	12/27/01	3/6/02	12/16/02	7/1/03		
PARAMETER												
Diesel Range Organics	302	-	280	-	-	NS	-	-	351	330	NS	NS
Gasoline Range Organics	70.2	-	150	-	-	NS	-	-	62.4	120	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**16.7**	**110**	**58**	**34**	*0.82*	*1.8*	*1.9*	**11**	**17**	**26**	*0.5*	**5**
Toluene	28.3	1.2	0.54	<0.11	<0.11	<0.41	<0.41	<0.63	<0.3	<0.67	*200*	**1,000**
Ethylbenzene	<1.0	3.0	1.2	<0.13	<0.13	<0.22	<0.22	<0.49	<.5	<0.54	*140*	**700**
Xylenes	<2.0	3.3	2.13	<0.3	<0.3	<0.43	<0.43	<1	<0.92	<1.8	*1000*	**10,000**
Methyl-tert-butyl-ether	*28.6*	*24*	*27*	*24*	NR	*12*	*19*	*31*	*18.1*	*21*	*12*	**60**
Trimethylbenzenes[1]	<2.0	0.73	1.18	<0.23	<0.12	<0.6	<0.34	<0.72	<51	<0.97	*96*	**480**
1,2-Dichloroethane	*<1.0*	*3.0*	*1.9*	*1.8*	<0.35	<0.23	*0.56**	*1.4**	*0.622*	*1.7*	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<1.0	0.44	<0.30	<0.056	<0.17	<0.082	<0.12	<0.067	<0.1	<0.74**	*8*	**40**
Anthracene	-	0.19	<0.047	<0.02	<0.060	ND	<0.042	<0.024	<0.05	<0.02	*600*	**3,000**
Benzo(a)Pyrene	-	<0.019	<0.014	<0.013	<0.040	<0.040	<0.028	<0.022	<0.17	<0.014	*0.02*	**0.2**
Benzo(b)fluoranthene	-	<0.027	<0.12	<0.055	<0.17	<0.17	<0.12	<0.036	<0.04	<0.013	*0.02*	**0.2**
Chrysene	-	<0.027	<0.024	<0.059	<0.018	ND	<0.13	<0.022	<0.05	<0.014	*0.02*	**0.2**
Fluoranthene	-	0.22	<0.093	<0.066	<0.2	ND	<0.14	<0.053	<0.06	<0.013	*80*	**400**
Fluorene	-	<0.028	<0.046	<0.11	<0.34	ND	<0.24	<0.25	<0.12	<0.017	*80*	**400**
Pyrene	-	0.41	<0.036	<0.032	<0.097	ND	<0.068	<0.13	<0.09	<0.017	*50*	**250**
Total PAH List	<1.0	1.345	<0.66	<0.15	<0.46	<0.34	<0.32	<0.16	<0.17	0.019	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
** = Value taken from VOC list as PAH value is invalid

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-15										NR 140 PAL	NR 140 ES
DATE	12/4/03	6/2/04	12/8/04									
PARAMETER												
Diesel Range Organics	<27	260	170								NS	NS
Gasoline Range Organics	<24	88	16*								NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	*0.65**	**27**	*1.2*								*0.5*	**5**
Toluene	<0.50	<0.84	<0.20								*200*	**1,000**
Ethylbenzene	<0.50	<0.73	<0.14								*140*	**700**
Xylenes	<0.60	1.4*	<0.26								*1000*	**10,000**
Methyl-tert-butyl-ether	9.0	*24*	*13*								*12*	**60**
Trimethylbenzenes[1]	<0.50	<0.72	<0.14								*96*	**480**
1,2-Dichloroethane	<0.90	*1.5**	0.38*								*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<0.11	0.49	<0.16**								*8*	**40**
Anthracene	<0.020	<0.012	--								*600*	**3,000**
Benzo(a)Pyrene	<0.0085	<0.011	--								*0.02*	**0.2**
Benzo(b)fluoranthene	<0.0066	<0.018	--								*0.02*	**0.2**
Chrysene	<0.025	<0.021	--								*0.02*	**0.2**
Fluoranthene	<0.0047	<0.010	--								*80*	**400**
Fluorene	<0.042	0.066	--								*80*	**400**
Pyrene	<0.021	<0.011	--								*50*	**250**
Total PAH List	<0.11	1.20	--								NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
** = Value taken from VOC list as PAH value is invalid
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch
1.3 = concentration > PAL
9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-16										NR 140 PAL	NR 140 ES
DATE	10/19/98	12/30/98	4/14/99	4/6/00	5/29/01	10/29/01	12/27/01	3/6/02	12/16/02	7/1/03		
PARAMETER												
Diesel Range Organics	357	280	-	150	-	-	-	-	122	<100	NS	NS
Gasoline Range Organics	<50	<50	-	<8.6	-	-	-	-	<50	<50	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	<0.5	<0.5	<0.14	<0.15	<0.19	<0.19	<0.21	<0.43	<0.31	<0.41	*0.5*	**5**
Toluene	<1.0	<1.0	<0.18	<0.16	<0.11	<0.11	<0.41	<0.63	<0.3	<0.67	*200*	**1,000**
Ethylbenzene	<1.0	<1.0	<0.15	<0.17	<0.13	<0.13	<0.22	<0.49	<0.5	<0.54	*140*	**700**
Xylenes	<2.0	<2.0	<0.29	<0.47	<0.3	<0.3	<0.43	<1	<0.92	<1.8	*1000*	**10,000**
Methyl-tert-butyl-ether	2.77	7.420	<0.17	2.1	<0.20	NR	1.1*	4.8	1.08	3.4	*12*	**60**
Trimethylbenzenes[1]	<1.0	<1.0	<0.21	<0.27	<0.23	<0.12	<0.34	<0.72	<0.71	<0.97	*96*	**480**
1,2-Dichloroethane	**15.8**	**13.5**	*2.6*	**7.6**	*1.9*	**8.3**	*2.5*	**11**	*1.86*	*3.7*	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	0.068	<1.0	<0.39	<0.30	<0.056	<0.056	<0.12	<0.067	<0.1	0.065*	*8*	**40**
Anthracene	<0.03	-	<0.014	<0.047	<0.020	<0.020	<0.042	<0.024	<0.05	<0.020	*600*	**3,000**
Benzo(a)Pyrene	<0.06	-	<0.019	<0.014	<0.013	<0.013	<0.028	<0.022	<0.017	<0.014	*0.02*	**0.2**
Benzo(b)fluoranthene	<0.03	-	<0.037	<0.12	<0.055	<0.055	<0.12	<0.036	<0.04	<0.013	*0.02*	**0.2**
Chrysene	<0.04	-	<0.027	<0.024	<0.059	<0.059	<0.13	<0.022	<0.05	<0.014	*0.02*	**0.2**
Fluoranthene	0.044	-	<0.044	<0.093	<0.066	<0.066	<0.14	<0.053	<0.06	<0.013	*80*	**400**
Fluorene	<0.04	-	0.27	0.13	<0.11	<0.11	<0.24	<0.025	<0.12	<0.017	*80*	**400**
Pyrene	<0.17	-	<0.037	<0.036	<0.032	<0.032	<0.068	<0.13	<0.09	<0.017	*50*	**250**
Total PAH List	0.957	-	<0.27	26.13	<0.15	<0.15	<0.32	<0.16	<0.12	0.082	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
NR = Not reported
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL
9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-16										NR 140 PAL	NR 140 ES
DATE	12/4/03	6/2/04	12/8/04									
PARAMETER												
Diesel Range Organics	<28	<23	<23								NS	NS
Gasoline Range Organics	<24	<15	<15								NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	<0.40	<0.18	<0.12								*0.5*	**5**
Toluene	<0.50	<0.21	<0.20								*200*	**1,000**
Ethylbenzene	<0.50	<0.18	<0.14								*140*	**700**
Xylenes	<0.60	<0.31	<0.26								*1000*	**10,000**
Methyl-tert-butyl-ether	6.9	<0.18	6.0								*12*	**60**
Trimethylbenzenes[1]	<0.50	<0.18	<0.14								*96*	**480**
1,2-Dichloroethane	**9.9**	<0.22	*4.9*								*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<0.11	<0.14	<0.16**								*8*	**40**
Anthracene	<0.020	<0.012	--								*600*	**3,000**
Benzo(a)Pyrene	<0.0085	<0.016	--								*0.02*	**0.2**
Benzo(b)fluoranthene	<0.0066	<0.018	--								*0.02*	**0.2**
Chrysene	<0.025	<0.021	--								*0.02*	**0.2**
Fluoranthene	<0.0047	<0.010	--								*80*	**400**
Fluorene	<0.042	<0.015	--								*80*	**400**
Pyrene	<0.021	<0.011	--								*50*	**250**
Total PAH List	<0.11	<0.50	--								NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled
** = Value taken from VOC list as PAH value is invalid

NS = No applicable standard
NR = Not reported
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
-- = Results not reported as they are biased low due to laboratory quality control problems with this batch
1.3 = concentration > PAL
9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-17										NR 140 PAL	NR 140 ES
DATE	4/6/00	5/29/01	10/29/01	12/27/01	3/6/02	12/16/02	7/1/03	12/4/03	6/2/04	12/8/04		
PARAMETER												
Diesel Range Organics	260	-	-	-	-	<100	<100	<27	<23	<23	NS	NS
Gasoline Range Organics	9.1	-	-	-	-	<50	<50	<24	<15	<15	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	<0.15	<0.19	<0.19	<0.21	<0.43	<0.31	<0.41	<0.40	<0.18	<0.12	*0.5*	**5**
Toluene	<0.16	<0.11	<0.11	<0.41	<0.63	<0.3	<0.67	<0.50	<0.21	<0.20	*200*	**1,000**
Ethylbenzene	<0.17	<0.13	<0.13	<0.22	<0.49	<0.5	<0.54	<0.50	<0.18	<0.14	*140*	**700**
Xylenes	<0.47	<0.3	<0.3	<0.43	<1	<0.92	<1.8	<0.60	<0.31	<0.26	*1000*	**10,000**
Methyl-tert-butyl-ether	<0.22	<0.20	NR	<0.46	<0.49	<0.3	<0.61	<0.50	<0.18	<0.14	*12*	**60**
Trimethylbenzenes[1]	1.12	<0.23	<0.12	<0.34	<0.72	<0.71	<0.97	<0.50	<0.18	<0.14	*96*	**480**
1,2-Dichloroethane	<0.18	<0.084	<0.35	<0.23	<0.54	<0.17	<0.36	<0.90	<0.22	<0.13	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	1.4	<0.056	<0.056	<0.12	<0.067	<0.1	0.27*	<0.11	<0.014	<0.012	*8*	**40**
Anthracene	<0.047	<0.02	<0.020	<0.042	<0.024	<0.05	<0.020	<0.020	<0.012	<0.018	*600*	**3,000**
Benzo(a)Pyrene	<0.014	<0.013	<0.013	<0.028	<0.022	<0.017	<0.014	<0.0085	<0.011	<0.016	*0.02*	**0.2**
Benzo(b)fluoranthene	<0.12	<0.055	<0.055	<0.12	<0.036	<0.04	<0.013	<0.0066	<0.018	<0.018	*0.02*	**0.2**
Chrysene	<0.024	<0.059	<0.059	<0.13	<0.022	<0.05	<0.014	<0.025	<0.021	<0.019	*0.02*	**0.2**
Fluoranthene	<0.094	<0.066	<0.066	<0.14	<0.053	<0.06	<0.013	<0.0047	<0.010	<0.023	*80*	**400**
Fluorene	<0.046	<0.11	<0.11	<0.24	<0.025	<0.12	<0.017	<0.042	<0.015	<0.019	*80*	**400**
Pyrene	<0.036	<0.032	<0.032	<0.068	<0.13	<0.09	<0.017	<0.021	<0.011	<0.020	*50*	**250**
Total PAH List	1.4	<0.15	<0.15	<0.32	<0.16	<0.8	0.339	<0.11	<0.50	<0.023	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-18**		NR 140 PAL	NR 140 ES
DATE	12/16/02	1/8/03		
PARAMETER				
Diesel Range Organics	302	283	NS	NS
Gasoline Range Organics	<50	<50	NS	NS
VOLATILE ORGANIC COMPOUNDS				
Benzene	0.447*	*0.646**	*0.5*	**5**
Toluene	0.307*	<0.3	*200*	**1,000**
Ethylbenzene	<0.5	<0.5	*140*	**700**
Xylenes	<0.62	<0.62	*1000*	**10,000**
Methyl-tert-butyl-ether	2.68	3.49	*12*	**60**
Trimethylbenzenes[1]	<0.4	<0.4	*96*	**480**
1,2-Dichloroethane	*0.78*	*0.861*	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS				
Naphthalene	0.19*	<0.1	*8*	**40**
Anthracene	<0.05	<0.05	*600*	**3,000**
Benzo(a)Pyrene	<0.017	<0.017	*0.02*	**0.2**
Benzo(b)fluoranthene	<0.04	<0.04	*0.02*	**0.2**
Chrysene	<0.05	<0.05	*0.02*	**0.2**
Fluoranthene	<0.06	<0.06	*80*	**400**
Fluorene	<0.12	<0.12	*80*	**400**
Pyrene	<0.09	<0.09	*50*	**250**
Total PAH List	1.01	<0.12	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
NS = No applicable standard
** = Well abandoned on 1/8/03

1.3 = concentration > PAL

9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-19										NR 140 PAL	NR 140 ES
DATE	12/16/02	3/18/03	7/1/03	9/22/03	12/4/03	3/2/04	6/2/04	8/31/04	12/8/04			
PARAMETER												
Diesel Range Organics	709	110	200	1000	<27	240	330	230	160		NS	NS
Gasoline Range Organics	53.9	<16	<50	<24	<24	33	36*	30*	15*		NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	*1.48*	<0.40	*1.4*	<0.30	<0.40	<0.11	*1.2*	<0.18	<0.12		*0.5*	**5**
Toluene	0.442*	<0.50	<0.67	<0.40	<0.50	<0.14	<0.21	<0.21	<0.20		*200*	**1,000**
Ethylbenzene	<0.5	<0.50	<0.54	<0.40	<0.50	<0.11	<0.18	<0.18	<0.14		*140*	**700**
Xylenes	<0.62	<0.60	<1.8	<0.70	<0.60	<0.24	<0.31	<0.31	<0.26		*1000*	**10,000**
Methyl-tert-butyl-ether	1.24	1.7*	1.9	1.5	1.3*	1.6	1.3	1.7	1.7		*12*	**60**
Trimethylbenzenes[1]	<0.4	<0.50	<0.97	<0.30	<0.50	<0.14	<0.18	0.25*	<0.14		*96*	**480**
1,2-Dichloroethane	*4.44*	**5.9**	**7.1**	-	*4.7*	**5.0**	*3.9*	**5.9**	*4.5*		*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	0.27*	<0.080	0.95	<0.12	<0.11	<0.014	<0.014	<0.014	0.020*		*8*	**40**
Anthracene	<0.05	<0.024	<0.020	<0.021	<0.020	<0.012	<0.012	<0.012	<0.018		*600*	**3,000**
Benzo(a)Pyrene	<0.017	<0.0065	<0.014	<0.0090	<0.0085	<0.011	<0.011	<0.011	<0.016		*0.02*	**0.2**
Benzo(b)fluoranthene	<0.04	<0.0047	<0.013	<0.0070	<0.0066	<0.018	<0.018	<0.018	<0.018		*0.02*	**0.2**
Chrysene	<0.05	<0.022	<0.014	<0.026	<0.025	<0.021	<0.021	<0.021	<0.019		*0.02*	**0.2**
Fluoranthene	<0.06	<0.0081	<0.013	<0.0050	<0.0047	<0.010	<0.010	<0.010	<0.023		*80*	**400**
Fluorene	<0.12	<0.11	<0.017	<0.045	<0.042	<0.015	<0.015	<0.015	<0.019		*80*	**400**
Pyrene	<0.09	<0.029	<0.017	<0.022	<0.021	<0.011	<0.011	<0.011	<0.020		*50*	**250**
Total PAH List	1.66	<0.24	0.116	<0.12	<0.11	<0.050	0.13	<0.050	0.14		NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-20										NR 140 PAL	NR 140 ES
DATE	12/16/02	3/18/03	7/1/03	9/22/03	12/4/03	3/2/04	6/2/04	8/31/04	12/8/04			
PARAMETER												
Diesel Range Organics	348	<62	<100	<29	<28	<23	<23	<23	<23		NS	NS
Gasoline Range Organics	121	<16	<50	<24	<24	<8.5	<15	<15	<15		NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	*3.67*	<0.40	<0.41	<0.30	<0.40	<0.11	<0.18	<0.18	<0.12		*0.5*	**5**
Toluene	0.928*	<0.50	<0.67	<0.40	<0.50	<0.14	<0.21	<0.21	<0.20		*200*	**1,000**
Ethylbenzene	0.751*	<0.50	<0.54	<0.40	<0.50	<0.11	<0.18	<0.18	<0.14		*140*	**700**
Xylenes	1.398	<0.60	<1.8	<0.70	<0.60	<0.24	<0.31	<0.31	<0.26		*1000*	**10,000**
Methyl-tert-butyl-ether	0.596*	<0.50	<0.61	<0.30	<0.50	<0.15	<0.18	<0.18	<0.14		*12*	**60**
Trimethylbenzenes[1]	0.726*	<0.50	<0.97	<0.30	<0.50	<0.14	<0.18	<0.18	<0.14		*96*	**480**
1,2-Dichloroethane	*0.687*	<0.90	<0.36	-	<0.90	<0.14	<0.22	<0.22	<0.13		*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<0.1	<0.083	0.096	<0.12	<0.11	<0.014	<0.014	<0.014	0.020*		*8*	**40**
Anthracene	<0.05	<0.025	<0.020	<0.021	<0.020	<0.012	<0.012	<0.012	<0.018		*600*	**3,000**
Benzo(a)Pyrene	<0.017	<0.0067	<0.014	<0.0090	<0.0085	<0.011	<0.011	<0.011	<0.016		*0.02*	**0.2**
Benzo(b)fluoranthene	<0.04	<0.0048	<0.013	<0.0070	<0.0066	<0.018	<0.018	<0.018	<0.018		*0.02*	**0.2**
Chrysene	<0.05	<0.023	<0.014	<0.026	<0.025	<0.021	<0.021	<0.021	<0.019		*0.02*	**0.2**
Fluoranthene	<0.06	<0.0084	<0.013	<0.0050	<0.0047	<0.010	<0.010	<0.010	<0.023		*80*	**400**
Fluorene	<0.12	<0.12	<0.017	<0.045	<0.042	<0.015	<0.015	<0.015	<0.019		*80*	**400**
Pyrene	<0.09	<0.030	<0.017	<0.022	<0.021	<0.011	<0.011	<0.011	<0.020		*50*	**250**
Total PAH List	<0.12	<0.25	0.150	<0.12	<0.11	<0.050	<0.50	<0.050	0.10*		NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-21										NR 140 PAL	NR 140 ES
DATE	12/16/02	3/18/03	7/1/03	9/22/03	12/4/03	3/2/04	6/2/04	8/31/04	12/8/04			
PARAMETER												
Diesel Range Organics	471	<60	<100	<30	28*	46	<23	<23	<23		NS	NS
Gasoline Range Organics	67.3	<16	<50	<24	<24	<3.8	<15	<15	<15		NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	<0.31	<0.40	<0.41	<0.30	<0.40	<0.11	<0.18	<0.18	<0.18		*0.5*	**5**
Toluene	1.41	<0.50	<0.67	<0.40	<0.50	<0.14	<0.21	<0.21	<0.21		*200*	**1,000**
Ethylbenzene	0.818*	<0.50	<0.54	<0.40	<0.50	<0.11	<0.18	<0.18	<0.18		*140*	**700**
Xylenes	3.24	<0.60	<1.8	<0.70	<0.60	<0.24	<0.31	<0.31	<0.31		*1000*	**10,000**
Methyl-tert-butyl-ether	0.707*	<0.50	<0.61	<0.30	<0.50	<0.15	<0.18	<0.18	<0.18		*12*	**60**
Trimethylbenzenes[1]	2.739	<0.50	<0.97	<0.30	<0.50	<0.14	<0.18	<0.18	<0.18		*96*	**480**
1,2-Dichloroethane	*3.47*	<0.90	<0.36	-	<0.90	<0.14	<0.22	<0.22	<0.22		*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<5.05	<0.081	0.041*	<0.12	<0.11	<0.014	<0.014	<0.014	0.024*		*8*	**40**
Anthracene	<2.53	<0.024	<0.020	<0.022	<0.020	<0.012	<0.012	<0.012	<0.018		*600*	**3,000**
Benzo(a)Pyrene	<0.859	<0.0065	<0.014	<0.0093	<0.0085	<0.011	<0.011	<0.011	<0.016		*0.02*	**0.2**
Benzo(b)fluoranthene	<2.02	<0.0047	<0.013	<0.0072	<0.0066	<0.018	<0.018	<0.018	<0.018		*0.02*	**0.2**
Chrysene	<2.53	<0.022	<0.014	<0.027	<0.025	<0.021	<0.021	<0.021	<0.019		*0.02*	**0.2**
Fluoranthene	<3.03	<0.0082	<0.013	<0.0052	<0.0047	<0.010	<0.010	<0.010	<0.023		*80*	**400**
Fluorene	<6.06	<0.12	<0.017	<0.046	<0.042	<0.015	<0.015	<0.015	<0.019		*80*	**400**
Pyrene	<4.55	<0.029	<0.017	<0.023	<0.021	<0.011	<0.011	<0.011	<0.020		*50*	**250**
Total PAH List	<6.06	<0.24	0.041	<0.12	<0.11	<0.050	<0.50	<0.50	0.147		NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL

9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	MW-22										NR 140 PAL	NR 140 ES
DATE	12/16/02	3/18/03	7/1/03	9/22/03	12/4/03	3/2/04	6/2/04	8/31/04	12/8/04	3/31/05		
PARAMETER												
Diesel Range Organics	3400	2300	3100	34	1100	4400	3900	2800	3700	4500	NS	NS
Gasoline Range Organics	36100	45000	50000	15000	21000	37000	40000	27000	35000	52000	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**13900**	**22000**	**18000**	**9400**	**13000**	**18000**	**17000**	**13000**	**18000**	**17000**	*0.5*	**5**
Toluene	**4000**	**11000**	**8800**	*560*	**1900**	**4700**	**7200**	**4000**	**4800**	**14000**	*200*	**1,000**
Ethylbenzene	**1250**	**2100**	**1800**	**830**	**1400**	**2100**	**1400**	**1600**	**2000**	**2200**	*140*	**700**
Xylenes	*1967*	*5500*	*4500*	*700*	*1540*	*3590*	*2300*	*3400*	*3270*	*7200*	*1000*	**10,000**
Methyl-tert-butyl-ether	**<300**	**<250**	**<120**	*<60*	**<130**	**<300**	**<360**	**<230**	**<180**	**<120**	*12*	**60**
Trimethylbenzenes[1]	*<400*	**880**	**1060**	*220*	**550**	**890**	**510***	**700***	**850**	**1260**	*96*	**480**
1,2-Dichloroethane	**<170**	**<450**	**<72**	-	**<230**	**<280**	**<430**	**<270**	**<220**	**<72**	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	**322**	**180**	**200**	**120**	**150**	**410**	**330**	**280**	**270**	**240**	*8*	**40**
Anthracene	<0.05	<0.024	<0.40	<0.021	<0.020	<1.2	<1.2	<1.2	<1.8	<1.8	*600*	**3,000**
Benzo(a)Pyrene	<0.017	<0.0065	<0.28	<0.0092	<0.0085	<1.1	<1.1	<1.1	<1.6	<1.8	*0.02*	**0.2**
Benzo(b)fluoranthene	<0.04	0.0074*	<0.26	0.012*	0.010*	<1.8	<1.8	<1.8	<1.8	<1.8	*0.02*	**0.2**
Chrysene	<0.05	<0.22	<0.28	<0.027	<0.025	<2.1	<2.1	<2.1	<1.9	<1.7	*0.02*	**0.2**
Fluoranthene	<0.06	<0.0082	<0.26	<0.0051	<0.0047	<1.0	<1.0	<1.0	<2.3	<1.7	*80*	**400**
Fluorene	<0.12	<0.12	<0.34	<0.046	<0.042	4.9*	4.2*	2.3*	<1.9	<2.2	*80*	**400**
Pyrene	<0.09	<0.029	<0.34	<0.022	<0.021	<1.1	<1.1	<1.1	<2.0	<1.6	*50*	**250**
Total PAH List	500.4	416.0074	307	233.012	264.01	683.3	601.2	440.3	409	350	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-1													NR 140 PAL	NR 140 ES
DATE	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/6/98	8/5/98	10/19/98	12/30/98	11/28/01		
PARAMETER															
Diesel Range Organics	4650	2600	3300	2800	3200	2700	3700	4310	3530	4920	5170	4290	NS	NS	NS
Gasoline Range Organics	4700	2710	2900	4500	3200	6000	5900	172	5400	5050	7300	5900	NS	NS	NS
VOLATILE ORGANIC COMPOUNDS															
Benzene	**1330**	**663**	**980**	**1900**	**1300**	**2300**	**2100**	*1.13*	**2000**	**2540**	**3120**	**2310**	**35**	*0.5*	**5**
Toluene	44.2	23.5	20	34	23	76	66	ND	101	72.6	98.9	<100	0.63*	*200*	**1,000**
Ethylbenzene	5.42	ND	ND	120	16	*170*	*190*	ND	61.5	137	*314*	*189*	1	*140*	**700**
Xylenes	455.2	130.3	107	139	110	216	168	ND	193.2	122.8	283.8	<238	1.4*	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	*36*	*51*	**72**	*55*	**110**	**82.6**	**85.5**	<20.0	<10.0	**129**	*35*	*12*	**60**
Trimethylbenzenes[1]	*161.6*	41.2	70	*103*	81	*142*	*110*	3.53	*105.3*	66.2	*182.7*	*<100*	0.32*	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	**<100.0**	<0.23	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS															
Naphthalene	3.93	ND	ND	*38*	*29*	**52**	**53**	**56**	**41.4**	**45.7**	**68**	**135**	<0.69	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	<0.06	<0.06	<0.06	-	-	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	<0.03	<0.03	<0.03	-	-	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	*80*	**400**
Fluorene	ND	ND	ND	0.58	0.72	0.8	1.4	ND	<0.04	<0.04	2.23	-	-	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	*50*	**250**
Total PAH List	72.03	ND	0.6	50.6	34.79	73.5	78.7	88.71	64.89	66.5	102.571	-	-	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-2										NR 140 PAL	NR 140 ES
DATE	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/5/98	12/8/04		
PARAMETER												
Diesel Range Organics	2780	700	100	1000	330	1300	440	977	376	46*	NS	NS
Gasoline Range Organics	ND	ND	ND	ND	ND	ND	ND	ND	<49	<15	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ND	ND	0.3	0.2	*0.6*	*2.5*	ND	<0.4	<0.18	*0.5*	**5**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<0.21	*200*	**1,000**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<0.18	*140*	**700**
Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	<2.1	<0.31	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	ND	0.6	1.0	1.0	1.2	ND	<1.0	2.3	*12*	**60**
Trimethylbenzenes[1]	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<0.18	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	<0.22	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	ND	0.079	ND	ND	ND	ND	ND	ND	<0.04	0.027*	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.018	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	<0.06	<0.016	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	<0.03	<0.018	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.019	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.023	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	<0.03	<0.019	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.020	*50*	**250**
Total PAH List	ND	0.079	ND	ND	0.06	0.1	ND	ND	0.06	0.138*	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL

9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-3										NR 140 PAL	NR 140 ES
DATE	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/6/98	11/28/01		
PARAMETER												
Diesel Range Organics	1270	263	560	200	510	800	430	440	688	-	NS	NS
Gasoline Range Organics	53.7	ND	ND	ND	ND	ND	ND	ND	<50	-	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	*1.04*	ND	ND	ND	ND	*3.3*	ND	ND	*1.66*	<0.21	*0.5*	**5**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<0.41	*200*	**1,000**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<0.22	*140*	**700**
Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	<2.0	<0.43	*1000*	**10,000**
Methyl-tert-butyl-ether	*18.1*	7.66	3.9	3.4	2.8	5.7	2.7	7.11	10.4	3.1	*12*	**60**
Trimethylbenzenes[1]	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<0.26	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	1.34	-	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	<0.06	-	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	<0.03	-	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	<0.04	-	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*50*	**250**
Total PAH List	0.107	ND	ND	ND	ND	ND	ND	ND	2.95	-	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-3										NR 140 PAL	NR 140 ES
DATE	12/16/02	12/4/03	12/8/04									
PARAMETER												
Diesel Range Organics	151	-	350								NS	NS
Gasoline Range Organics	<50	<24	<15								NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	<0.31	<0.40	<0.18								*0.5*	**5**
Toluene	<0.3	<0.50	<0.21								*200*	**1,000**
Ethylbenzene	<0.5	<0.50	<0.18								*140*	**700**
Xylenes	<0.92	<0.60	<0.31								*1000*	**10,000**
Methyl-tert-butyl-ether	3.09	7.5	12								*12*	**60**
Trimethylbenzenes[1]	<0.4	<0.50	<0.18								*96*	**480**
1,2-Dichloroethane	0.284*	*2.1**	*2.9*								*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<0.1	<0.11	0.16								*8*	**40**
Anthracene	<0.05	<0.020	<0.018								*600*	**3,000**
Benzo(a)Pyrene	<0.017	<0.0085	<0.016								*0.02*	**0.2**
Benzo(b)fluoranthene	<0.04	<0.0066	<0.018								*0.02*	**0.2**
Chrysene	<0.05	<0.025	<0.019								*0.02*	**0.2**
Fluoranthene	<0.06	<0.0047	<0.023								*80*	**400**
Fluorene	<0.12	<0.042	<0.019								*80*	**400**
Pyrene	<0.09	<0.021	<0.020								*50*	**250**
Total PAH List	<0.12	0.046	0.469								NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-4										NR 140 PAL	NR 140 ES
DATE	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/6/98	8/5/98		
PARAMETER												
Diesel Range Organics	4370	3530	2700	2300	1900	2700	2700	2650	1830	2780	NS	NS
Gasoline Range Organics	1150	3420	2500	2100	1900	2600	2100	2040	2460	1940	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**248**	**719**	**670**	**670**	**490**	**810**	**660**	**582**	**583**	**770**	*0.5*	**5**
Toluene	4.26	10.3	5.8	4.7	7.7	8.9	5.4	8.01	<10.0	6.2	*200*	**1,000**
Ethylbenzene	ND	63.8	31	21	21	22	11	12.1	<10.0	4.41	*140*	**700**
Xylenes	49.8	72.4	33.3	12.9	22.7	349	9.8	ND	<10.0	12.01	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	*50*	*34*	*52*	*34*	*48*	ND	*24.4*	<1.0	*12*	**60**
Trimethylbenzenes[1]	25.81	*113.7*	46	19.1	23.2	43.1	10.4	5.86	<10.0	14.47	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	4.31	**43.8**	*27*	*24*	*17*	*34*	6.0	*12.6*	*11.9*	*10.1*	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	<0.06	<0.06	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	<0.03	<0.03	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*80*	**400**
Fluorene	ND	1.78	1.0	1.3	.75	1.5	0.9	2.02	<0.04	1.02	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*50*	**250**
Total PAH List	19.47	83.45	43.06	36.70	22.95	53.10	12.50	23.42	16.05	16.6	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL

9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-4										NR 140 PAL	NR 140 ES
DATE	10/19/98	12/30/98	11/28/01									
PARAMETER												
Diesel Range Organics	3540	2540	-								NS	NS
Gasoline Range Organics	1660	912	-								NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**730**	**273**	**460**								*0.5*	**5**
Toluene	10.1	<10.0	<8.2								*200*	**1,000**
Ethylbenzene	5.07	<10.0	<4.4								*140*	**700**
Xylenes	20.47	<20.0	8*								*1000*	**10,000**
Methyl-tert-butyl-ether	*42.5*	*45.0*	<9.2								*12*	**60**
Trimethylbenzenes[1]	15.0	<10.0	<6.8								*96*	**480**
1,2-Dichloroethane	-	<1.0	<4.6								*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	*22.2*	*25.8*	*17*								*8*	**40**
Anthracene	ND	-	-								*600*	**3,000**
Benzo(a)Pyrene	<0.06	-	-								*0.02*	**0.2**
Benzo(b)fluoranthene	0.083	-	-								*0.02*	**0.2**
Chrysene	ND	-	-								*0.02*	**0.2**
Fluoranthene	ND	-	-								*80*	**400**
Fluorene	2.22	-	-								*80*	**400**
Pyrene	ND	-	-								*50*	**250**
Total PAH List	35.615	-	-								NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-5										NR 140 PAL	NR 140 ES
DATE	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/6/98	11/28/01		
PARAMETER												
Diesel Range Organics	ND	ND	ND	ND	ND	450	190	ND	<100	-	NS	NS
Gasoline Range Organics	ND	ND	ND	ND	ND	110	340	275	<50	-	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ND	ND	ND	0.2	**37**	**49**	*1.66*	*0.807*	<0.21	*0.5*	**5**
Toluene	ND	ND	ND	ND	ND	5.6	0.53	ND	<1.0	<0.41	*200*	**1,000**
Ethylbenzene	ND	ND	ND	ND	ND	5.5	ND	ND	<1.0	<0.22	*140*	**700**
Xylenes	ND	ND	ND	ND	ND	104	10	ND	<2.0	<0.69	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	ND	ND	ND	0.8	3.0	ND	<1.0	<0.46	*12*	**60**
Trimethylbenzenes[1]	ND	ND	ND	ND	ND	43.6	ND	ND	<1.0	<0.34	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	ND	ND	ND	ND	ND	*9.4*	5.0	0.283	1.0	<0.69	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*600*	**3,000**
Benzo(a)Pyrene	ND	*0.137*	ND	ND	ND	ND	ND	ND	<0.06	-	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	*0.048*	ND	ND	ND	ND	ND	ND	<0.03	-	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	<0.04	-	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	*50*	**250**
Total PAH List	ND	0.335	ND	ND	ND	15.60	7.51	0.551	2.25	-	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-6										NR 140 PAL	NR 140 ES
DATE	2/21/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	5/13/98	11/28/01	12/16/02	12/4/03		
PARAMETER												
Diesel Range Organics	486	328	980	ND	ND	360	313	-	116	42*	NS	NS
Gasoline Range Organics	ND	ND	ND	ND	ND	ND	<50	-	<50	<24	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ND	ND	ND	ND	ND	<0.5	<0.21	<0.31	<0.40	*0.5*	**5**
Toluene	ND	ND	ND	ND	ND	ND	<1.0	<0.41	<0.3	<0.50	*200*	**1,000**
Ethylbenzene	ND	ND	ND	ND	ND	ND	<1.0	<0.22	<0.5	<0.50	*140*	**700**
Xylenes	ND	ND	ND	ND	ND	ND	<2.0	<0.69	<0.92	<0.60	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	ND	ND	ND	ND	<1.0	<0.46	<0.3	<0.50	*12*	**60**
Trimethylbenzenes[1]	ND	ND	ND	ND	ND	ND	<1.0	<0.34	<0.4	<0.50	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	*1.34*	*1.7**	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	ND	ND	ND	ND	ND	ND	<0.05	-	<0.11	<0.11	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	-	<0.05	<0.020	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	<0.03	-	<0.017	<0.0085	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	<0.04	-	<0.04	<0.0066	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	-	<0.05	<0.025	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	-	<0.06	<0.0047	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	<0.04	-	<0.12	<0.042	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	-	<0.09	<0.021	*50*	**250**
Total PAH List	0.2333	ND	ND	ND	ND	ND	<0.08	-	<0.12	<0.11	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-6										NR 140 PAL	NR 140 ES
DATE	12/8/04											
PARAMETER												
Diesel Range Organics	290										NS	NS
Gasoline Range Organics	<15										NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	<0.18										*0.5*	**5**
Toluene	<0.21										*200*	**1,000**
Ethylbenzene	<0.18										*140*	**700**
Xylenes	<0.31										*1000*	**10,000**
Methyl-tert-butyl-ether	<0.18										*12*	**60**
Trimethylbenzenes[1]	<0.18										*96*	**480**
1,2-Dichloroethane	*1.6*										*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	0.027*										*8*	**40**
Anthracene	<0.018										*600*	**3,000**
Benzo(a)Pyrene	<0.016										*0.02*	**0.2**
Benzo(b)fluoranthene	<0.018										*0.02*	**0.2**
Chrysene	<0.019										*0.02*	**0.2**
Fluoranthene	<0.023										*80*	**400**
Fluorene	0.024*										*80*	**400**
Pyrene	<0.020										*50*	**250**
Total PAH List	0.164*										NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-7										NR 140 PAL	NR 140 ES
DATE	2/2/96	6/27/96	11/13/96	2/17/97	5/19/97	8/13/97	5/13/98	12/16/02	12/3/03	12/8/04		
PARAMETER												
Diesel Range Organics	166	140	ND	ND	ND	810	1900	<100	<27	<23	NS	NS
Gasoline Range Organics	ND	ND	ND	ND	ND	ND	<50	<50	<24	<15	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ND	ND	ND	ND	ND	<0.5	<0.31	<0.40	<0.18	*0.5*	**5**
Toluene	ND	ND	ND	ND	ND	ND	<1.0	<0.3	<0.50	<0.21	*200*	**1,000**
Ethylbenzene	ND	ND	ND	ND	ND	ND	<1.0	<0.5	<0.50	<0.18	*140*	**700**
Xylenes	ND	ND	ND	ND	ND	ND	<2.0	<0.92	<0.60	<0.31	*1000*	**10,000**
Methyl-tert-butyl-ether	ND	ND	ND	ND	ND	ND	<1.0	<0.3	<0.50	<0.18	*12*	**60**
Trimethylbenzenes[1]	ND	ND	ND	ND	ND	ND	<1.0	<0.4	<0.50	<0.18	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	<0.17	<0.90	<0.22	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	ND	ND	ND	ND	ND	ND	<1.0	<0.1	<0.11	0.041	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	<0.05	<0.020	<0.018	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	**0.74**	<0.017	<0.0085	<0.016	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	**0.35**	<0.04	<0.0066	<0.018	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	<0.05	<0.025	<0.019	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	<0.06	<0.0047	<0.023	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	0.12	<0.12	<0.042	<0.019	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	<0.09	<0.021	<0.020	*50*	**250**
Total PAH List	ND	ND	ND	ND	ND	ND	1.98	<0.12	<0.11	0.041	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL

9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
KOCH PIPELINE COMPANY, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #9857830

SAMPLE LOCATION	PZ-8										NR 140 PAL	NR 140 ES
DATE	6/27/96	9/19/96	11/13/96	2/17/97	5/19/97	8/13/97	11/12/97	2/4/98	5/6/98	8/5/98		
PARAMETER												
Diesel Range Organics	980	711	1000	560	350	500	580	739	973	1100	NS	NS
Gasoline Range Organics	174	169	430	240	190	ND	81	50.8	80.5	132	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**90.7**	**88.9**	**190**	**85**	**72**	**5.4**	**9.6**	*2.45*	**16.19**	**30.0**	*0.5*	**5**
Toluene	1.59	ND	1.6	0.6	1.6	ND	ND	ND	<1.0	1.12	*200*	**1,000**
Ethylbenzene	6.33	1.2	2.3	1.1	3.2	0.5	0.59	ND	1.02	2.01	*140*	**700**
Xylenes	2.94	1.67	2.0	0.5	2.2	ND	ND	ND	<2.0	<2.0	*1000*	**10,000**
Methyl-tert-butyl-ether	2.75	ND	5.8	6.7	6.5	5.6	5.5	8.45	7.44	*12.9*	*12*	**60**
Trimethylbenzenes[1]	ND	2.69	1.1	0.5	0.9	ND	ND	ND	<1.0	<1.0	*96*	**480**
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	2.37	0.299	1.7	0.8	ND	ND	ND	ND	<0.05	0.525	*8*	**40**
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*600*	**3,000**
Benzo(a)Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	<0.06	<0.06	*0.02*	**0.2**
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	<0.03	<0.03	*0.02*	**0.2**
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.02*	**0.2**
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*80*	**400**
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	<0.04	<0.04	*80*	**400**
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*50*	**250**
Total PAH List	2.753	0.299	1.70	1.36	ND	ND	0.063	ND	<0.08	0.525	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-8										NR 140 PAL	NR 140 ES
DATE	10/19/98	12/30/98	4/14/99	4/6/00	5/29/01	10/29/01	12/27/01	3/6/02	12/16/02	7/1/03		
PARAMETER												
Diesel Range Organics	1140	679	-	190	-	-	-	-	539	400	NS	NS
Gasoline Range Organics	87.1	112	-	100	-	-	-	-	56.5	69	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**31.7**	**12.0**	*2.3*	**21**	**8.8**	**35**	**5.6**	**19**	*3.46*	**21**	*0.5*	**5**
Toluene	1.12	<1.0	0.18	0.21	<0.11	0.33*	<0.41	<0.63	<0.3	<0.67	*200*	**1,000**
Ethylbenzene	2.01	1.02	0.51	1.3	0.49	2.8	<0.22	0.72*	<0.5	1.7*	*140*	**700**
Xylenes	<2.0	<2.0	0.69	<0.81	<0.3	0.70*	<0.43	<1	<0.92	<1.8	*1000*	**10,000**
Methyl-tert-butyl-ether	*12.9*	*24.3*	*14*	*18*	*17*	NR	*22*	*25*	*18.9*	*19*	*12*	**60**
Trimethylbenzenes[1]	<1.0	<1.0	0.56	<0.67	<0.23	0.16*	<0.34	<0.72	<0.4	<0.97	*96*	**480**
1,2-Dichloroethane	-	-	**16**	**14**	**15**	**14**	**16**	**19**	**16.7**	**13**	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	0.525	<1.0	-	<0.3	<0.056	0.79	<0.12	<0.067	<0.1	0.36	*8*	**40**
Anthracene	<0.03	-	-	<0.047	<0.02	<0.02	<0.042	<0.024	<0.05	<0.020	*600*	**3,000**
Benzo(a)Pyrene	<0.06	-	-	<0.014	<0.013	<0.013	<0.028	<0.022	<0.017	<0.014	*0.02*	**0.2**
Benzo(b)fluoranthene	<0.03	-	-	<0.12	<0.055	<0.055	<0.12	<0.036	<0.04	<0.013	*0.02*	**0.2**
Chrysene	<0.04	-	-	<0.024	<0.059	<0.059	<0.13	<0.022	<0.05	<0.014	*0.02*	**0.2**
Fluoranthene	<0.04	-	-	<0.093	<0.066	<0.066	<0.14	<0.053	<0.06	<0.013	*80*	**400**
Fluorene	<0.04	-	-	<0.046	<0.11	<0.11	<0.24	<0.025	<0.12	<0.017	*80*	**400**
Pyrene	<0.17	-	-	<0.036	<0.32	<0.032	<0.068	<0.13	<0.09	<0.017	*50*	**250**
Total PAH List	0.569	-	-	<0.66	<0.15	0.79	<0.32	<0.16	<0.12	0.490	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
NR = Parameter not reported
1.3 = concentration > PAL
9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-8										NR 140 PAL	NR 140 ES
DATE	12/4/03	6/2/04	12/8/04									
PARAMETER												
Diesel Range Organics	130	210	120								NS	NS
Gasoline Range Organics	86	40*	90								NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**23**	**6.7**	**30**								*0.5*	**5**
Toluene	<0.50	<0.42	<0.42								*200*	**1,000**
Ethylbenzene	2.0	0.67*	3.4								*140*	**700**
Xylenes	<0.60	<0.62	<0.62								*1000*	**10,000**
Methyl-tert-butyl-ether	*18*	*18*	*20*								*12*	**60**
Trimethylbenzenes[1]	<0.50	<0.36	<0.36								*96*	**480**
1,2-Dichloroethane	**12**	**12**	**14**								*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<0.11	0.20	0.42								*8*	**40**
Anthracene	<0.020	<0.012	<0.018								*600*	**3,000**
Benzo(a)Pyrene	<0.0085	<0.011	<0.016								*0.02*	**0.2**
Benzo(b)fluoranthene	<0.0066	<0.018	<0.018								*0.02*	**0.2**
Chrysene	<0.025	<0.021	<0.019								*0.02*	**0.2**
Fluoranthene	0.029	<0.010	<0.023								*80*	**400**
Fluorene	<0.042	0.021*	0.044*								*80*	**400**
Pyrene	<0.021	<0.011	<0.020								*50*	**250**
Total PAH List	0.029	0.49	0.772								NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-9										NR 140 PAL	NR 140 ES
DATE	11/4/98	12/30/98	4/14/99	4/6/00	5/29/01	10/29/01	12/27/01	3/6/02	12/16/02	7/1/03		
PARAMETER												
Diesel Range Organics	357	416	-	450	-	-	-	-	284	100	NS	NS
Gasoline Range Organics	<50	<50	-	<8.6	-	-	-	-	<50	<50	NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	<0.5	<0.5	<0.14	<0.15	<0.19	<0.019	<0.21	<0.43	<0.31	<0.41	*0.5*	**5**
Toluene	<1.0	<1.0	<0.18	<0.16	<0.11	<0.11	<0.41	<0.63	<0.3	<0.67	*200*	**1,000**
Ethylbenzene	<1.0	<1.0	<0.15	<0.17	<0.13	<0.13	<0.22	<0.49	<0.5	<0.54	*140*	**700**
Xylenes	<2.0	<2.0	<0.29	<0.47	<0.3	<0.3	<0.43	<1	<0.92	<1.8	*1000*	**10,000**
Methyl-tert-butyl-ether	<1.0	3.94	2.0	1.4	1.8	NR	3	3.5	1.96	2.5	*12*	**60**
Trimethylbenzenes[1]	<1.0	<1.0	<0.21	<0.27	<0.23	<0.12	<0.34	<0.72	<0.4	<0.97	*96*	**480**
1,2-Dichloroethane	**14.7**	**13.6**	**11**	**6.4**	**5.8**	**8.0**	**10**	**11**	**6.04**	**6.2**	*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<0.17	<1.0	<0.39	<0.3	<0.056	<0.056	<0.12	<0.067	<0.1	0.066*	*8*	**40**
Anthracene	<0.1	-	<0.014	<0.047	<0.02	<0.02	<0.042	<0.024	<0.05	<0.020	*600*	**3,000**
Benzo(a)Pyrene	<0.2	-	<0.019	<0.014	<0.013	<0.013	<0.028	<0.022	<0.017	<0.014	*0.02*	**0.2**
Benzo(b)fluoranthene	<0.1	-	<0.037	<0.12	<0.055	<0.055	<0.12	<0.036	<0.04	<0.013	*0.02*	**0.2**
Chrysene	<0.13	-	<0.027	<0.024	<0.059	<0.059	<0.13	<0.022	<0.05	<0.014	*0.02*	**0.2**
Fluoranthene	<0.13	-	<0.044	<0.093	<0.066	<0.066	<0.14	<0.053	<0.06	<0.013	*80*	**400**
Fluorene	<0.13	-	0.37	<0.046	<0.11	<0.11	<0.24	<0.025	<0.12	<0.017	*80*	**400**
Pyrene	<0.57	-	<0.047	<0.036	<0.032	<0.032	<0.068	<0.13	<0.09	<0.017	*50*	**250**
Total PAH List	<0.57	-	0.84	4.10	<0.15	<0.15	<0.32	<0.16	<0.12	0.173	NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)
NR = Parameter not reported
1.3 = concentration > PAL
9.9 = concentration > PAL & ES

TETRA TECH, INC.

TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-9										NR 140 PAL	NR 140 ES
DATE	12/4/03	6/2/04	12/8/04									
PARAMETER												
Diesel Range Organics	560	90	40*								NS	NS
Gasoline Range Organics	<24	16*	<15								NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	<0.40	<0.18	0.22*								*0.5*	**5**
Toluene	<0.50	<0.21	<0.21								*200*	**1,000**
Ethylbenzene	<0.50	<0.18	<0.18								*140*	**700**
Xylenes	<0.60	<0.31	<0.31								*1000*	**10,000**
Methyl-tert-butyl-ether	2.8	3.4	3.9								*12*	**60**
Trimethylbenzenes[1]	<0.50	<0.18	<0.18								*96*	**480**
1,2-Dichloroethane	**7.3**	*4.9*	**6.3**								*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	<0.11	<0.014	0.047								*8*	**40**
Anthracene	<0.020	<0.012	<0.018								*600*	**3,000**
Benzo(a)Pyrene	<0.0085	<0.011	<0.016								*0.02*	**0.2**
Benzo(b)fluoranthene	<0.0066	<0.018	<0.018								*0.02*	**0.2**
Chrysene	<0.025	<0.021	<0.019								*0.02*	**0.2**
Fluoranthene	<0.0048	<0.010	<0.023								*80*	**400**
Fluorene	<0.042	<0.015	<0.019								*80*	**400**
Pyrene	<0.021	<0.011	<0.020								*50*	**250**
Total PAH List	<0.11	<0.50	0.175*								NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES

TETRA TECH, INC.

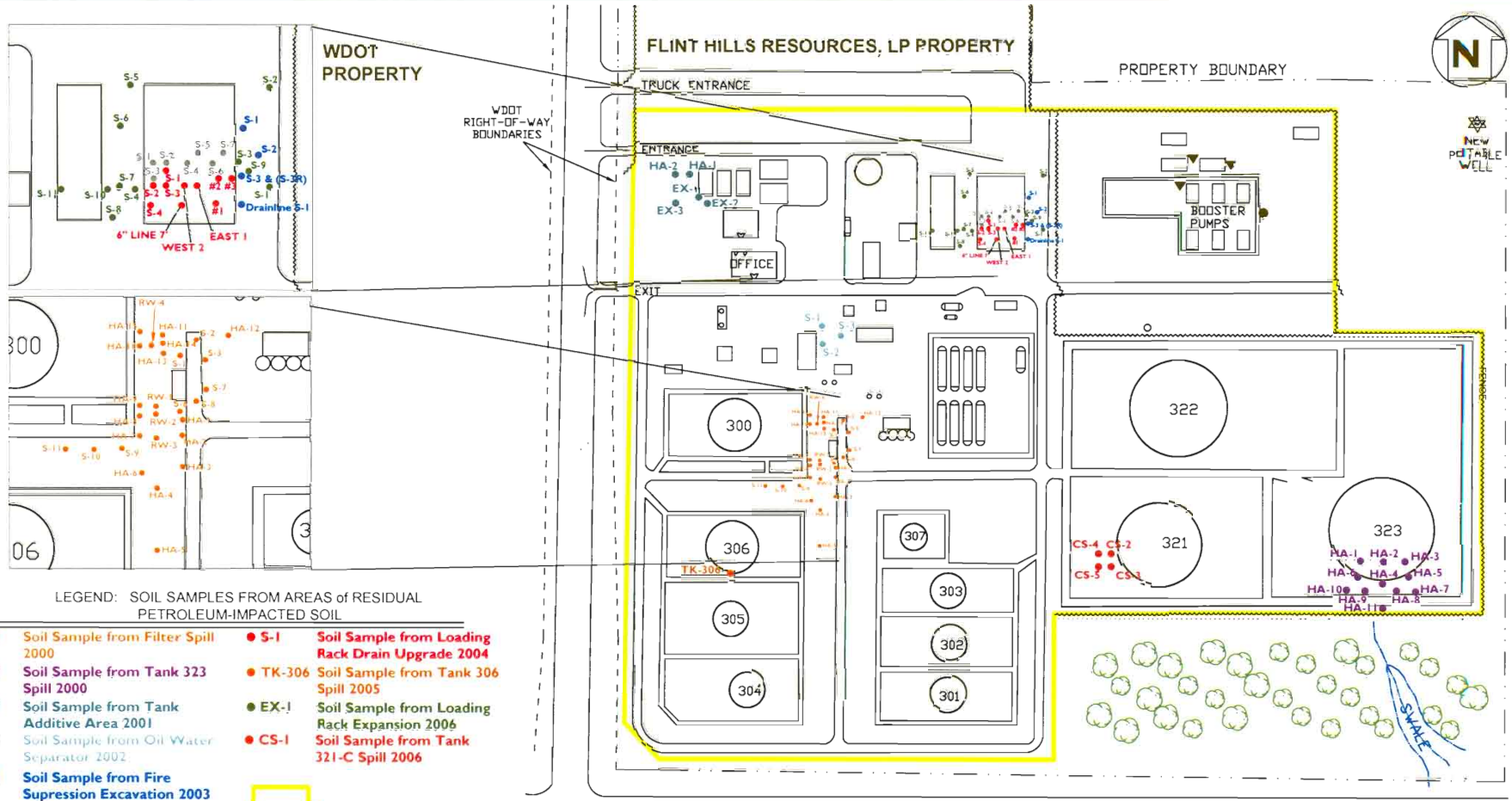
TABLE 2
GROUNDWATER CHEMISTRY
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

SAMPLE LOCATION	PZ-10										NR 140 PAL	NR 140 ES
DATE	12/16/02	3/18/03	7/1/03	9/22/03	12/4/03	3/2/04	6/2/04	8/31/04	12/8/04			
PARAMETER												
Diesel Range Organics	283	310	270	680	340	540	61*	61*	35*		NS	NS
Gasoline Range Organics	186	89	170	590	330	450	140	120	110		NS	NS
VOLATILE ORGANIC COMPOUNDS												
Benzene	**14.0**	**15**	**22**	**41**	**34**	**42**	**15**	**13**	**12**		*0.5*	**5**
Toluene	<0.3	<0.50	<0.67	1.8	1.8	1.8*	<0.34	<0.21	0.55*		*200*	**1,000**
Ethylbenzene	0.75	0.99*	<0.54	25	1.4*	<1.3	<0.26	0.20*	<0.18		*140*	**700**
Xylenes	<0.92	0.79*	<1.8	7.7	1.5*	<3.1	<0.62	<0.31	0.31*		*1000*	**10,000**
Methyl-tert-butyl-ether	<0.3	<0.50	<0.61	3.8	<0.50	<1.5	0.35*	0.37*	0.40*		*12*	**60**
Trimethylbenzenes[1]	<0.4	<0.50	1.5*	4.61	1.3*	1.8*	<0.39	<0.18	0.20*		*96*	**480**
1,2-Dichloroethane	*2.72*	<0.90	*1.4*	-	*<0.90*	*<1.7*	*1.1*	*1.2*	*1.0*		*0.5*	**5**
POLYNUCLEAR AROMATIC HYDROCARBONS												
Naphthalene	2.39	0.53	3.3	4.7	5.6	*11*	3.6	1.8	1.5		*8*	**40**
Anthracene	<0.05	<0.023	<0.020	<0.022	<0.020	<0.012	0.051	0.042	0.019*		*600*	**3,000**
Benzo(a)Pyrene	<0.017	<0.0063	<0.014	<0.0093	<0.0085	<0.011	<0.011	<0.011	<0.016		*0.02*	**0.2**
Benzo(b)fluoranthene	<0.04	<0.0046	<0.013	<0.0072	<0.0066	<0.018	<0.018	<0.018	<0.018		*0.02*	**0.2**
Chrysene	<0.05	<0.021	<0.014	<0.027	<0.025	<0.021	<0.021	<0.021	<0.019		*0.02*	**0.2**
Fluoranthene	<0.06	<0.0080	<0.013	0.029	<0.0047	<0.010	<0.010	<0.010	<0.023		*80*	**400**
Fluorene	<0.12	<0.11	0.22	0.67	<0.042	0.52	0.18	0.23	0.30		*80*	**400**
Pyrene	<0.09	<0.029	<0.17	<0.023	<0.021	<0.011	<0.011	<0.011	<0.020		*50*	**250**
Total PAH List	3.03	0.53	4.47	19.499	7.56	15.74	6.20	4.21	2.694		NS	NS

All concentrations in ppb (ug/l)
PAL = WDNR Preventative Action Limit
ES = WDNR Enforcement Standard
[1] = Combined 1,2,4- & 1,3,5- trimethylbenzene compounds
- =Not sampled

NS = No applicable standard
< = Parameter was not detected and if present is less than the limit of detection reported
* = Value is < the laboratory limit of quantitation, but reported per WDNR guidelines (3/1/96)

1.3 = concentration > PAL **9.9** = concentration > PAL & ES



TETRA TECH, INC.

Wausau, Wisconsin

SOIL SAMPLE LOCATIONS
FLINT HILLS RESOURCES, LP
JUNCTION CITY TERMINAL
JUNCTION CITY, WI

PROJECT #:	5340048
DATE:	01/02/08
DRAWN BY:	ALT/TT/CE/MAM
REVIEWED BY:	GMA
SCALE:	RELATIVE

FILE: S:\autocad\koch\junction\sed2000\GIS Registration\Fuel Residual Soils Map.dwg

3.0 ANALYTICAL CHEMISTRY RESULTS

Eight soil samples from the dikes surrounding tanks 304 and 305 were collected on May 17, 1994. The soil samples were submitted for PVOC analysis as per the WDNR April 6, 1994 letter. The results indicate detectable concentrations of PVOC above the practical quantitation limit (PQL) in HA-1, HA-4, and HA-5. The PVOC concentrations can be found in Table II. The methods and procedures for collecting the field screen samples and analytical soil samples is found in Appendix B.

TABLE II
ANALYTICAL SOIL CHEMISTRY RESULTS

SAMPLE ID	HA-1	HA-2	HA-3	HA-4	HA-5	HA-6	HA-7	HA-8
LAB SAMPLE ID	2035	2036	2037	2038	2039	2040	2041	2042
PARAMETER:								
Methyl-tert-butyl ether	ND	ND	ND	6.8	0.070	ND	ND	ND
Benzene	0.050	ND	ND	4.6	ND	ND	ND	ND
Toluene	0.28	ND	ND	49	0.0085	ND	ND	ND
Ethyl Benzene	0.11	ND	ND	3.1	0.022	ND	ND	ND
Total Xylenes	0.50	ND	ND	230	0.068	ND	ND	ND
1,3,5 trimethylbenzene	0.056	ND	ND	34	0.061	ND	ND	ND
1,2,4 trimethylbenzene	0.18	ND	ND	120	0.23	0.005	ND	BQL

ND = Not detected
BQL = Below quantitation limit
ppm = parts per million

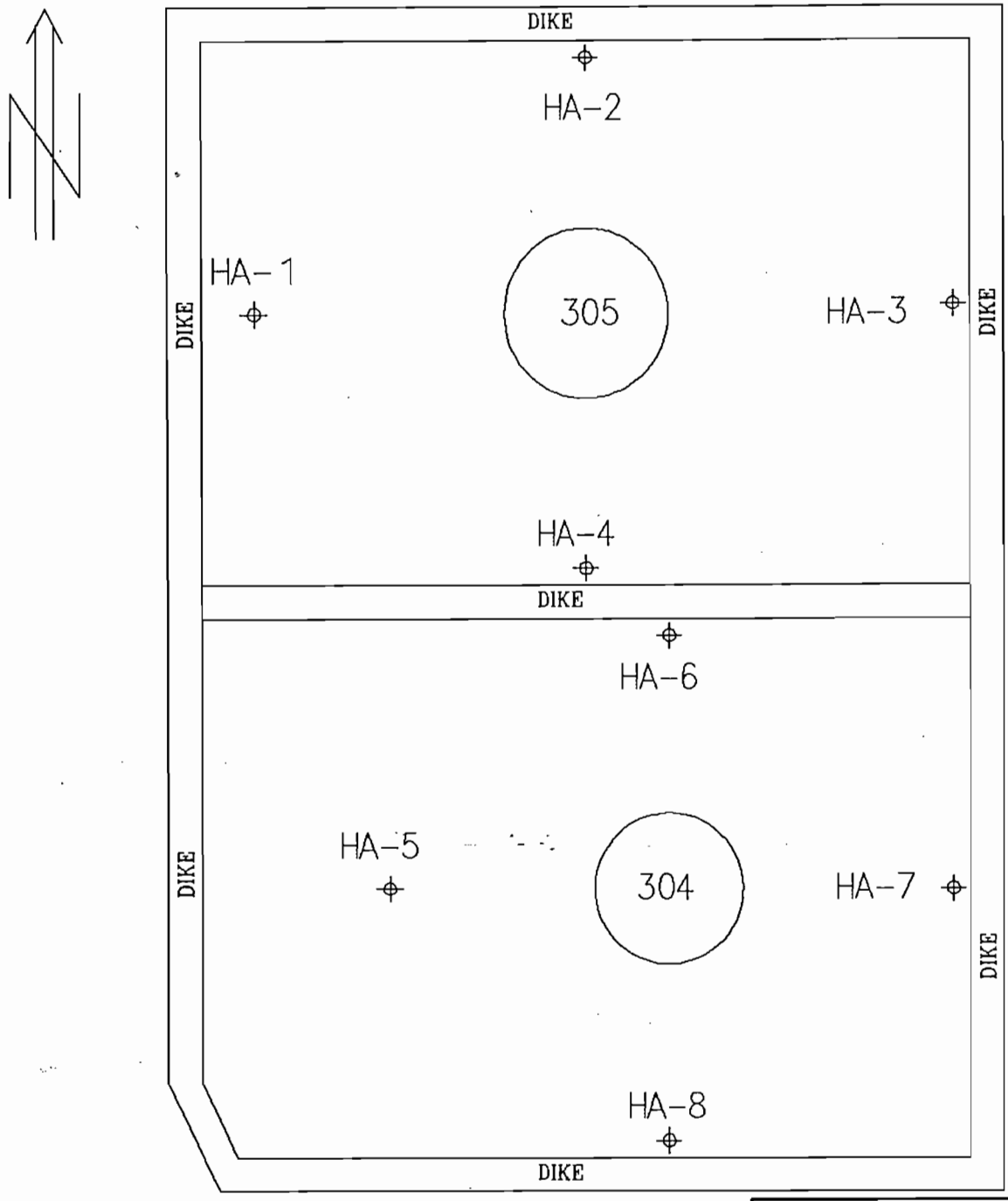


FIGURE 1

KOCH REFINING COMPANY
HAND AUGER BORING DIAGRAM
JUNCTION CITY BULK TERMINAL

#8100-94-0414

⌖ = HAND AUGER BORING LOCATION

0ft 30ft
SCALE

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - FILTER SPILL (2000-2001)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #9857830

LOCATION	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	S-11
DEPTH (feet bls)			1.5										
DATE SAMPLED			4/16/00										
PARAMETER (mg/kg)													
GRO	*100*[1] / *250*[2]	**260**	3.7	73	83	4.5	90	1.2	240	**420**	13	80	110
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)													
Benzene	*0.0055*	**1.5**	<0.005	***0.023***	***0.009***	<0.005	***0.12***	<0.004	***0.12***	***0.21***	***0.012***	***0.055***	***0.059***
Toluene	*1.5*	---	0.062	0.32	<0.007	0.054	0.72	<0.007	1.5	***2.8***	0.12	0.58	0.72
Ethylbenzene	*2.9*	---	0.025	0.47	0.29	0.026	0.52	<0.005	2.1	***3.8***	0.071	0.56	0.8
Total Xylenes	*4.1*	---	0.036	1.1	0.76	0.034	1.3	<0.022	***5.4***	***9.6***	0.2	1.3	2
1,3,5 Trimethylbenzene	---	---	<0.006	0.18	0.2	<0.006	0.13	<0.006	0.74	1.3	0.015	0.15	0.26
1,2,4 Trimethylbenzene	---	---	0.028	0.59	0.64	0.027	0.41	<0.009	2.3	3.9	0.066	0.46	0.84
MTBE	---	---	0.047	0.99	0.62	0.061	2.9	<0.009	2.2	4.8	0.27	1.3	1.3
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)													
Naphthalene	---	**1.6**	0.065	0.36	0.45	0.064	0.16	<0.009	1.1	**1.7**	0.068	0.18	0.52

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Bold = concentration > NR 720 AND site specific standards (June 1998)

Italics = concentrations in exceedance of NR 720 standards ONLY.

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - FILTER SPILL (2000 - 2001)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #9857830

LOCATION	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	HA-1	HA-1	HA-2	HA-2	HA-3	HA-3	HA-4	HA-5	HA-5	HA-6	HA-6
DEPTH (feet bls)			0-1	2-3	0-1	2	0-1	2-3	0-1	0-1	2	0-1	2-3
DATE SAMPLED			4/17/00										
PARAMETER (mg/kg)													
GRO	*100*[1]	**260**											
	250[2]		<0.93	<0.89	<0.92	2.2	2.2	2.3	43	1.9	0.9	1	2
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)													
Benzene	*0.0055*	**1.5**	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.007	<0.004	<0.004	<0.004	<0.004
Toluene	*1.5*	---	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	0.09	<0.007	<0.007	<0.007	<0.007
Ethylbenzene	*2.9*	---	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.053	<0.005	<0.005	<0.005	<0.005
Total Xylenes	*4.1*	---	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	0.38	<0.021	<0.021	<0.021	<0.021
1,3,5 Trimethylbenzene	---	---	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.45	<0.006	<0.006	<0.006	<0.006
1,2,4 Trimethylbenzene	---	---	0.015	<0.009	<0.009	<0.009	<0.009	<0.009	0.55	0.016	0.009	0.016	0.021
MTBE	---	---	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	0.027	<0.008	<0.008	<0.008	<0.008
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)													
Naphthalene	---	**1.6**	0.088	<0.008	<0.008	<0.008	<0.008	<0.008	0.45	0.12	<0.008	0.055	0.18

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Bold = concentration > NR 720 AND site specific standards (June 1998)

Italics = concentrations in exceedance of NR 720 standards ONLY.

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - FILTER SPILL (2000 -2001)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #9857830

LOCATION	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	HA-7	HA-7	HA-7	HA-8	HA-9	HA-9	HA-10	HA-10	HA-10	HA-11
DEPTH (feet bls)			0-1	2-3	0-1	0-1	0-1	2.5	0-1	2.5	0-1	0-1
DATE SAMPLED			4/17/00		6/25/01	4/17/00	4/17/00		4/17/00		6/25/01	4/17/00
PARAMETER (mg/kg)												
GRO	*100*[1]	260										
	250[2]		**1600**	54	--	110	1.4	1.1	**1500**	<0.97	--	<0.89
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)												
Benzene	*0.0055*	**1.5**	**1.7**	<0.004	<0.012	***0.087***	<0.004	<0.004	***1.2***	<0.005	<0.012	<0.004
Toluene	*1.5*	---	***13***	0.12	<0.007	0.74	<0.007	<0.007	***12***	<0.008	<0.0068	<0.007
Ethylbenzene	*2.9*	---	***13***	0.18	<0.012	0.77	<0.005	<0.005	***14***	<0.006	<0.012	<0.005
Total Xylenes	*4.1*	---	***30***	0.26	<0.025	1.8	<0.022	<0.022	***32***	<0.023	<0.024	<0.021
1,3,5 Trimethylbenzene	---	---	3.2	0.035	<0.022	0.25	<0.006	<0.006	4	<0.006	<0.021	<0.006
1,2,4 Trimethylbenzene	---	---	9.4	0.48	<0.029	0.64	<0.009	<0.009	12	<0.009	<0.029	<0.009
MTBE	---	---	43	0.032	<0.012	1.4	<0.008	<0.008	13	<0.009	<0.012	<0.008
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)												
Naphthalene	---	**1.6**	**3.1**	0.18	--	0.53	<0.009	<0.009	**4.7**	<0.009	--	0.061

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Bold = concentration > NR 720 AND site specific standards (June 1998)

Italics = concentrations in exceedance of NR 720 standards ONLY.

-- = not sampled

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - FILTER SPILL (2000 - 2001)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #9857830

LOCATION	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	HA-12	HA-12	HA-13	HA-13	HA-14	HA-14	HA-15	HA-15
DEPTH (feet bls)			0.5	1.5	0.5	2	0.5	1.5	0.5	2.5
DATE SAMPLED			4/17/00		4/17/00		4/17/00		4/17/00	
PARAMETER (mg/kg)										
GRO	*100*[1]	260								
	250[2]		1.2	1.6	**1100**	<0.96	1.2	<0.89	<0.89	1
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)										
Benzene	*0.0055*	**1.5**	<0.004	<0.004	***0.42***	<0.005	<0.004	<0.004	<0.004	<0.004
Toluene	*1.5*	---	<0.007	0.009	***8.3***	<0.008	<0.007	<0.007	<0.007	<0.007
Ethylbenzene	*2.9*	---	<0.005	0.013	***10***	<0.005	<0.005	<0.005	<0.005	<0.005
Total Xylenes	*4.1*	---	<0.021	<0.021	***24***	<0.023	<0.021	<0.021	<0.021	<0.021
1,3,5 Trimethylbenzene	---	---	<0.006	0.01	2.9	<0.006	<0.006	<0.006	<0.006	<0.006
1,2,4 Trimethylbenzene	---	---	<0.009	0.036	9.4	<0.009	0.015	0.015	0.015	0.015
MTBE	---	---	<0.008	<0.008	7	<0.009	<0.008	<0.008	<0.008	<0.008
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)										
Naphthalene	---	**1.6**	<0.009	0.11	**4.7**	<0.009	<0.008	<0.008	<0.008	<0.008

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Bold = concentration > NR 720 AND site specific standards (June 1998)

Italics = concentrations in exceedance of NR 720 standards ONLY.

-- = not sampled

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - FILTER SPILL (2000 - 2001)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #9857830

LOCATION	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	RW-1	RW-1	RW-1	RW-1	RW-2	RW-2	RW-3	RW-3	RW-4	RW-4
DEPTH (feet bls)			0-0.5	2	0-0.5	2	0-1	2	0-1	2-2.5	0.5	2.5-3
DATE SAMPLED			4/18/00		6/25/01		4/18/00		4/18/00		4/18/00	
PARAMETER (mg/kg)												
GRO	*100*[1]	**260**										
	250[2]		**1500**	**12,000**	--	--	100	**450**	1.1	6.5	46	3.4
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)												
Benzene	*0.0055*	**1.5**	**137**	**20**	<0.012	<0.012	***0.13***	***0.14***	<0.004	<0.004	<0.004	<0.004
Toluene	*1.5*	---	***9.8***	***100***	<0.0071	<0.007	1	***3.4***	<0.007	<0.007	<0.007	0.014
Ethylbenzene	*2.9*	---	***13***	***66***	<0.013	<0.012	0.99	***4.7***	<0.005	<0.005	<0.005	0.023
Total Xylenes	*4.1*	---	***33***	***210***	<0.025	<0.025	2.5	***11***	<0.022	<0.021	<0.022	0.024
1,3,5 Trimethylbenzene	---	---	4	18	0.12	<0.022	0.28	1.3	<0.006	<0.006	<0.006	<0.006
1,2,4 Trimethylbenzene	---	---	13	54	<0.030	<0.030	0.89	4.2	<0.009	<0.009	<0.009	0.029
MTBE	---	---	16	<0.16	<0.013	<0.012	1.6	3.5	<0.008	<0.008	<0.008	<0.008
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)												
Naphthalene	---	**1.6**	**5.5**	**17**	--	--	0.41	1.4	<0.009	<0.008	<0.009	0.073

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Bold = concentration > NR 720 AND site specific standards (June 1998)

Italics = concentrations in exceedance of NR 720 standards ONLY.

-- = not sampled

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - TANK 323 (2000-2001)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #9857830

LOCATION	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	NR 746 DIRECT CONTACT STANDARDS [within 4-ft of land surface] (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	HA-1	HA-1	HA-2	HA-2	HA-3	HA-4	HA-5	HA-6
DEPTH (feet bls)					surface	2	surface	2	surface	4	4	4
DATE SAMPLED					10/9/00							
PARAMETER (mg/kg)												
GRO	100[1]	---	---	260								
	250[2]	---	---		**1770**	238	43	**611**	8	**2630**	13	**460**
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)												
Benzene	**0.0055**	**8.5**	**1.1**	**1.5**	**5.64**	***0.621***	***0.182***	**3.75**	***0.052***	**24.3**	***0.111***	***1.05***
Toluene	**1.5**	**38**	---	---	***90.4***	***10.8***	***3.18***	***50.3***	0.338	***291***	0.621	***27.2***
Ethylbenzene	**2.9**	**4.6**	---	---	***23.3***	1.33	1.35	***19.4***	0.081	***79.4***	0.197	***12.1***
Total Xylenes	**4.1**	**42**	---	---	***303***	***7.78***	***8.95***	***111***	0.725	***508***	1.42	***75.5***
1,3,5 Trimethylbenzene	---	**11**	---	---	0.778	0.44	0.326	<0.010	0.019	<0.10	0.032	1.41
1,2,4 Trimethylbenzene	---	**83**	---	---	***164***	13.2	3.66	45	0.282	***193***	0.825	37.1
MTBE	---	---	---	---	0.685	<0.022	<0.022	0.534	<0.022	3.24	<0.022	<0.022

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Bold = concentration > NR 746 direct contact and/or site specific standards (June 1998)

Italics = concentration > NR 720 generic soil cleanup and/or NR 746 risk screening standards

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - TANK 323 (2000-2001)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #9857830

LOCATION	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	NR 746 DIRECT CONTACT STANDARDS [within 4-ft of land surface] (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	HA-7	HA-8	HA-9	HA-10	HA-11
DEPTH (feet bls)					4	4	4	4	4
DATE SAMPLED					5/29/01				
PARAMETER (mg/kg)									
GRO	100[1]	---	---	260					
	250[2]	---	---		--	--	--	--	--
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)									
Benzene	0.0055	8.5	1.1	1.5	<0.009	<0.009	<0.009	<0.009	***0.068***
Toluene	1.5	38	---	---	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
Ethylbenzene	2.9	4.6	---	---	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
Total Xylenes	4.1	42	---	---	<0.019	<0.019	<0.019	<0.019	<0.019
1,3,5 Trimethylbenzene	---	11	---	---	<0.010	0.013	<0.010	<0.010	0.02
1,2,4 Trimethylbenzene	---	83	---	---	<0.0099	0.015	<0.0099	<0.0099	0.035
MTBE	---	---	---	---	<0.022	<0.022	<0.022	<0.022	<0.022

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

-- = parameter not sampled

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Bold = concentration > NR 746 direct contact and/or site specific standards (June 1998)

Italics = concentration > NR 720 generic soil cleanup and/or NR 746 risk screening standards

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - ADDITIVE TANK AREA (July & October 2001)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #9857830

LOCATION	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	NR 746 DIRECT CONTACT STANDARDS [within 4-ft of land surface] (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	EX-1	EX-2	EX-3	HA-1	HA-2	HA-3
DEPTH (feet bls)					< 4			3-4	5-6	5-6
DATE SAMPLED					7/12/01			10/3/01		
PARAMETER (mg/kg)										
GRO	100[1]	---	---	260						
	250[2]	---	---		--	--	--	**5,790**	**3,420**	**846**
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC) mg/kg										
Benzene	**0.0055**	**8.5**	**1.1**	**1.5**	<0.009	<0.009	<0.009	***0.011***	***0.0075***	0.0005
Toluene	**1.5**	**38**	---	---	0.0078	0.0067	0.0054	0.0532	0.0284	0.0108
Ethylbenzene	**2.9**	**4.6**	---	---	0.0046	<0.0045	<0.0045	0.108	0.0726	0.0285
Total Xylenes	**4.1**	**42**	---	---	<0.019	<0.019	<0.019	0.371	0.25	0.0997
1,3,5 Trimethylbenzene	---	**11**	---	---	0.57	0.025	0.018	0.0792	0.054	0.0211
1,2,4 Trimethylbenzene	---	**83**	---	---	2.13	0.098	0.068	0.24	0.172	0.0656
MTBE	---	---	---	---	<0.022	<0.022	<0.022	0.0026	0.0018	0.0002

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

-- = parameter not sampled

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Bold = concentration > NR 746 direct contact and/or site specific standards (June 1998)

Italics = concentration > NR 720 generic soil cleanup and/or NR 746 risk screening standards

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - MONITORING WELLS (2002)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #9857830

BORING	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	MW-18	MW-19	MW-21	MW-22	PZ-10
DEPTH (feet bls)			2.0-4.0	2.0-4.0	5.0-7.0	4.0-6.0	8.0-10.0
SOIL TYPE			SAND	SAND	SILTY SAND	SILTY CLAY	SILTY SAND
DATE SAMPLED			12/11/2002		12/10/2002		12/9/2002
PARAMETER (mg/kg)							
DRO	100[1]	280	<5.78	6.34	<5.75		<5.61
	250[2]					8.11	
GRO	100[1]	260	<5.78	<6.21	<5.75		<5.61
	250[2]					<5.83	
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)							
Benzene	**0.0055**	**1.5**	<0.025	<0.025	<0.025	*0.145*	<0.025
Toluene	**1.5**	---	<0.025	<0.025	<0.025	<0.025	<0.025
Ethylbenzene	**2.9**	---	<0.025	<0.025	<0.025	<0.025	<0.025
Total Xylenes	**4.1**	---	<0.025	<0.025	<0.025	<0.025	<0.025
1,3,5 Trimethylbenzene	---	---	<0.025	<0.025	<0.025	<0.025	<0.025
1,2,4 Trimethylbenzene	---	---	<0.025	<0.025	<0.025	<0.025	<0.025
MTBE	---	---	<0.025	<0.025	<0.025	<0.025	<0.025
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)							
Naphthalene	---	**1.6**	<0.0185	<0.0398	<0.0184	<0.0018	<0.00179
Total PAH List	---	---	<0.0763	<0.164	<0.0759	<0.00743	<0.0074

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Boring locations are depicted in Figure 2.

Bold = concentration > NR 720 AND site specific standards (June 1998)

Italics = concentrations in exceedance of NR 720 standards ONLY.

* = Value is less than the laborarory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - LOADING RACK & DRAIN LINE EXCAVATION (2003)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #9857830

BORING	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	S-1	S-2	S-3	S-3R	Drain Line S-1
DEPTH (feet bls)			4.5			5.5	1.0
SOIL TYPE			NATIVE SAND			NATIVE SAND	GRAVEL/SAND FILL
DATE SAMPLED			8/1/2003			8/18/2003	8/27/2003
PARAMETER (mg/kg)							
DRO	100[1]	280	2200	1900	1500	--	5000
	250[2]						
GRO	100[1]	260	1800	1800	2800	20	1700
	250[2]						
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)							
Benzene	0.0055	1.5	*1.2*	7.7	13	<0.024	<0.31
Toluene	1.5	---	*66*	*94*	*150*	0.027*	<0.31
Ethylbenzene	2.9	---	*12*	*35*	*57*	0.031*	1.6
Total Xylenes	4.1	---	*198*	*185*	*283*	0.149	*9.6*
1,3,5 Trimethylbenzene	---	---	29	30	41	0.160	37
1,2,4 Trimethylbenzene	---	---	92	98	130	0.180	45
MTBE	---	---	2.4	1.6	2.0	<0.024	<0.31

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

-- = parameter not sampled

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Boring locations are depicted in Figure 2.

Bold = concentration > NR 720 AND site specific standards (June 1998)

Italics = concentrations in exceedance of NR 720 standards ONLY.

* = Value is less than the laborarory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - LOADING RACK UPGRADE (2004)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

LOCATION	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	NR 746 DIRECT CONTACT STANDARDS [within 4-feet of land surface] (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	LOADING RACK BAY #1 (EAST BAY)				
SAMPLE ID					#1	#2	#3	#4 (#1**)	#5 (#3**)
DEPTH (feet bls)					5.0	1.0	3.0	6.0	4.5
SOIL TYPE					SAND FILL			CLAY	
DATE SAMPLED					10/26/2004				
PARAMETER (mg/kg)									
DRO	100[1]	---	---	280	38	150	**6200**		
	250[2]	---	---					**2100**	**670**
GRO	100[1]	---	---	260	51	25	**4100**		
	250[2]	---	---					**1300**	31
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)									
Benzene	0.0055	8.5	1.1	1.5	***0.430***	***0.055****	**17.0**	**37.0**	***0.056****
Toluene	1.5	38	---	---	***1.9***	1.0	***200.0***	***21.0***	0.380
Ethylbenzene	2.9	4.6	---	---	0.870	0.360	***69.0***	***15.0***	0.310
Total Xylenes	4.1	42	---	---	***4.8***	2.5	***390.0***	***73.0***	2.08
1,3,5 Trimethylbenzene	---	11	---	---	1.0	0.430	***54.0***	***21.0***	0.620
1,2,4 Trimethylbenzene	---	83	---	---	3.6	1.5	***180.0***	52.0	2.1
MTBE	---	---	---	---	<0.025	<0.025	8.2	1.4	<0.025
Naphthalene	---	2.7	---	---	1.3	0.750	***40.0***	***19.0***	0.810

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-5 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-5 cm/s)

--- = No soil standard currently applicable

* = Value is less than the laborarory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

< = Parameter was not detected and if present, is less than the limit of detection reported

** = Sample is at the same location # listed, but at a deeper depth

Bold = concentration > NR 746 direct contact and/or site specific standards (June 1998)

Italics = concentration > NR 720 generic soil cleanup and/or NR 746 risk screening standards

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - LOADING RACK UPGRADE (2004)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

LOCATION	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	NR 746 DIRECT CONTACT STANDARDS [within 4-feet of land surface] (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	LOADING RACK BAY #2 (MIDDLE BAY)				
SAMPLE ID					East 1'	West 2'	East** 4'	West** 5'	6-in Line 7'
DEPTH (feet bls)					1.0	2.0	4.0	5.0	7.0
SOIL TYPE					SAND FILL		CLAY		
DATE SAMPLED					11/2/2004				
PARAMETER (mg/kg)									
DRO	100[1]	---	---	280	4900	7000			
	250[2]	---	---				6600	4400	19
GRO	100[1]	---	---	260	2800	3200			
	250[2]	---	---				3800	4100	4.8
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)									
Benzene	0.0055	8.5	1.1	1.5	9.7	5.5	23.0	19.0	*0.110*
Toluene	1.5	38	---	---	*130.0*	*120.0*	*270.0*	*230.0*	0.360
Ethylbenzene	2.9	4.6	---	---	*36.0*	*51.0*	*71.0*	*76.0*	0.097
Total Xylenes	4.1	42	---	---	*310.0*	*330.0*	*390.0*	*460.0*	0.510
1,3,5 Trimethylbenzene	---	11	---	---	*53.0*	*64.0*	*46.0*	*63.0*	0.072
1,2,4 Trimethylbenzene	---	83	---	---	*150.0*	*200.0*	*160.0*	*230.0*	0.240
MTBE	---	---	---	---	<1.0	<1.2	<1.2	<1.2	<0.025
Naphthalene	---	2.7	---	---	*42.0*	*63.0*	*39.0*	*60.0*	0.097

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-5 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-5 cm/s)

--- = No soil standard currently applicable

* = Value is less than the laborarory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

< = Parameter was not detected and if present, is less than the limit of detection reported

** = Sample is at the same location # listed, but at a deeper depth

Bold = concentration > NR 746 direct contact and/or site specific standards (June 1998)

Italics = concentration > NR 720 generic soil cleanup and/or NR 746 risk screening standards

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - LOADING RACK UPGRADE (2004)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

LOCATION	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	NR 746 DIRECT CONTACT STANDARDS [within 4-feet of land surface] (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	LOADING RACK BAY #3 (WEST BAY)			
SAMPLE ID					S-1 (2')	S-2 (4.5')	S-3 (8')	S-4 (7')
DEPTH (feet bls)					2.0	4.5	8.0	7.0
SOIL TYPE					SAND	CLAY		CLAY
DATE SAMPLED					11/6/2004			11/11/2004
PARAMETER (mg/kg)								
DRO	100[1]	---	---	280	8500			
	250[2]	---	---			1400	2700	1700
GRO	100[1]	---	---	260	5700			
	250[2]	---	---			990	2200	470
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)								
Benzene	0.0055	8.5	1.1	1.5	26.0	2.6	14.0	4.1
Toluene	1.5	38	---	---	*310.0*	***51.0***	***110.0***	***5.1***
Ethylbenzene	2.9	4.6	---	---	*120.0*	***19.0***	***41.0***	***11.0***
Total Xylenes	4.1	42	---	---	*540.0*	***121.0***	***268.0***	***82.0***
1,3,5 Trimethylbenzene	---	11	---	---	***74.0***	***18.0***	***36.0***	8.3
1,2,4 Trimethylbenzene	---	83	---	---	***260.0***	62.0	***120.0***	26.0
MTBE	---	---	---	---	1.8*	<0.250	1.1*	<0.120
Naphthalene	---	2.7	---	---	***70.0***	***14.0***	***27.0***	***9.7***

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-5 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-5 cm/s)

--- = No soil standard currently applicable

* = Value is less than the laborarory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

< = Parameter was not detected and if present, is less than the limit of detection reported

** = Sample is at the same location # listed, but at a deeper depth

Bold = concentration > NR 746 direct contact and/or site specific standards (June 1998)

Italics = concentration > NR 720 generic soil cleanup and/or NR 746 risk screening standards

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - TANK 306 (2005)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #9857830

LOCATION	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	NR 746 DIRECT CONTACT STANDARDS [within 4-feet of land surface] (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	TANK 306
DEPTH (feet bls)					< 4
DATE SAMPLED					7/7/2005
PARAMETER (mg/kg)					
GRO	100[1]	---	---	260	13
	250[2]	---	---		
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)					
Benzene	0.0055	8.5	1.1	1.5	<0.025
Toluene	1.5	38	---	---	0.054*
Ethylbenzene	2.9	4.6	---	---	0.071
Total Xylenes	4.1	42	---	---	0.229
1,3,5 Trimethylbenzene	---	11	---	---	0.063
1,2,4 Trimethylbenzene	---	83	---	---	0.290
MTBE	---	---	---	---	<0.025

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

* = Value is less than the laborarory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

< = Parameter was not detected and if present, is less than the limit of detection reported

Bold = concentration > NR 720 AND site specific standards (June 1998)

Italics = concentrations in exceedance of NR 720 standards ONLY.

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - LOADING RACK EXPANSION (2006)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH, INC. #6340188

BORING	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	NR 746 DIRECT CONTACT STANDARDS [within 4-feet of land surface] (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	S-1	S-2	S-3	S-4	S-5
DEPTH (feet bls)					4.0	4.0	4.0	6.5	4.0
DATE SAMPLED					7/10/2006		7/14/2006	7/17/2006	
PARAMETER (mg/kg)									
DRO	100[1]	---	---	280	**3000**	**1400**	**530**	**5200**	25
	250[2]	---	---						
GRO	100[1]	---	---	260	**1400**	***110***	74	**4700**	26
	250[2]	---	---						
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)									
Benzene	**0.0055**	**8.5**	**1.1**	**1.5**	**9.2**	<0.062	<0.062	**21**	<0.025
Toluene	**1.5**	**38**	---	---	***1.6***	<0.062	<0.062	***2.7***	<0.025
Ethylbenzene	**2.9**	**4.6**	---	---	***16***	0.24	0.15	***85***	0.046
Total Xylenes	**4.1**	**42**	---	---	***85.9***	<0.652	0.92	***433***	0.138
1,3,5 Trimethylbenzene	---	**11**	---	---	***24***	1.2	1.4	***110***	0.44
1,2,4 Trimethylbenzene	---	**83**	---	---	***66***	1.4	2.7	***310***	0.61
MTBE	---	---	---	---	<0.620	<0.062	<0.062	3.8	0.041
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)									
Naphthalene	---	**2.7**	---	**1.6**	**3.500**	0.110	0.160	**32.000**	0.032

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Bold = concentration > NR 746 direct contact and/or site specific standards (June 1998)

Italics = concentration > NR 720 generic soil cleanup and/or NR 746 risk screening standards

TETRA TECH, INC.

TABLE 1 (Continued)
SOIL CHEMISTRY - LOADING RACK EXPANSION (2006)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH, INC. #6340188

BORING	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	NR 746 DIRECT CONTACT STANDARDS [within 4-feet of land surface] (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	S-6	S-7	S-8	S-9	S-10	S-11
DEPTH (feet bls)					4.0	6.5	4.0	6.5	3.5	7.0
DATE SAMPLED					7/17/2006			7/28/2006	8/6/2006	8/21/2006
PARAMETER (mg/kg)										
DRO	100[1]	---	---	280	**280**	**1500**	160	<4.3	**3600**	**2800**
	250[2]	---	---							
GRO	100[1]	---	---	260	**2400**	**3200**	25	<2.9	**7300**	**3600**
	250[2]	---	---							
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)										
Benzene	0.0055	8.5	1.1	1.5	**1.8**	**21**	0.044	<0.025	**43**	**18**
Toluene	1.5	38	---	---	***4.9***	***5.2***	<0.025	<0.025	***450***	***11***
Ethylbenzene	2.9	4.6	---	---	***40***	***73***	0.130	<0.025	***160***	***44***
Total Xylenes	4.1	42	---	---	***131***	***360***	0.420	<0.075	***1000***	***393***
1,3,5 Trimethylbenzene	---	11	---	---	***50***	7.2	0.390	<0.025	***140***	***76***
1,2,4 Trimethylbenzene	---	83	---	---	***140***	***220***	0.850	<0.025	***450***	***240***
MTBE	---	---	---	---	2.5	3.9	<0.025	<0.025	6.599	2.7
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)										
Naphthalene	---	2.7	---	1.6	**3.5**	**12**	0.180	<4.6	**20**	**24**

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Bold = concentration > NR 746 direct contact and/or site specific standards (June 1998)

Italics = concentration > NR 720 generic soil cleanup and/or NR 746 risk screening standards

TETRA TECH, INC.

TABLE 1
SOIL CHEMISTRY - 321 C SEAL TANK GASOLINE RELEASE (2006)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #7340010

BORING	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	NR 746 DIRECT CONTACT STANDARDS [within 4-feet of land surface] (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	CS-1	CS-2	CS-3	CS-4	CS-5
DEPTH (feet bls)					NA	2.0	2.0	3.0	3.0
MATRIX TYPE					SOIL (mg/kg)				
DATE SAMPLED					10/27/2006			11/10/2006	
PARAMETER (mg/kg)									
GRO	100[1]	---	---	260	**1400**	**3700**	16	**1800**	21
	250[2]	---	---						
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)									
Benzene	0.0055	8.5	1.1	1.5	<1	**<2**	<.025	<1	<0.025
Toluene	1.5	38	---	---	***36***	***20***	0.13	***4***	0.049
Ethylbenzene	2.9	4.6	---	---	***42***	***38***	0.15	***37***	0.09
Total Xylenes	4.1	42	---	---	***230***	***520***	1.03	***283***	0.69
1,3,5 Trimethylbenzene	---	11	---	---	***48***	***130***	0.34	***51***	0.52
1,2,4 Trimethylbenzene	---	83	---	---	***160***	***430***	1.1	***180***	0.97
MTBE	---	---	---	---	<1	<2	<0.025	<1	<0.025

bls = below land surface

all values are in mg/kg = milligrams per kilogram (parts-per-million)

NA = Not applicable, results are from a drum sample

[1] standard corresponds to permeable soils (hydraulic conductivity > 10 E-6 cm/s)

[2] standard corresponds to non-permeable soils (hydraulic conductivity < 10 E-6 cm/s)

--- = No soil standard currently applicable

< = Parameter was not detected and if present, is less than the limit of detection reported

Bold = concentration > NR 746 direct contact and/or site specific standards (June 1998)

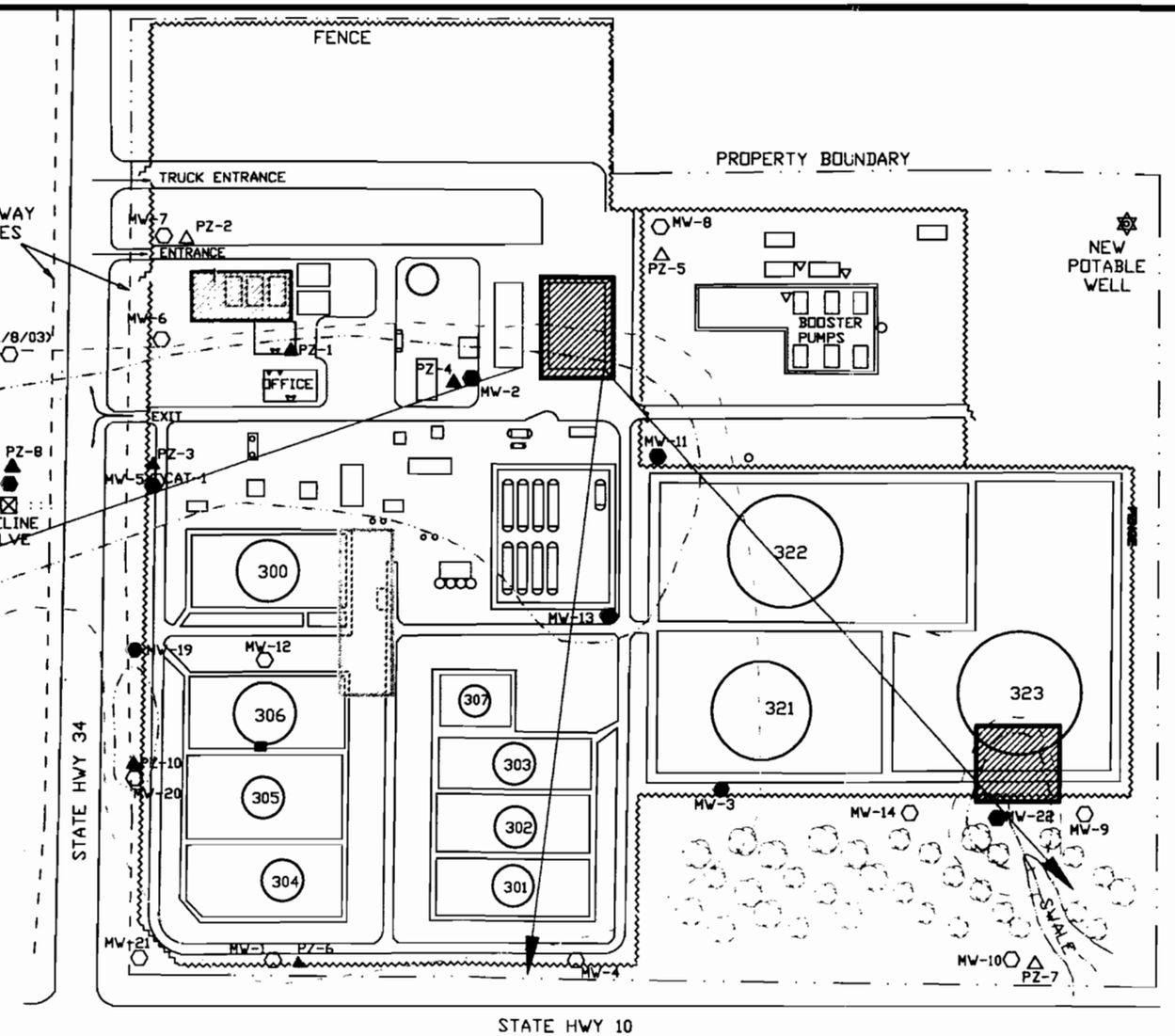
Italics = concentration > NR 720 generic soil cleanup and/or NR 746 risk screening standards

Flint Hills Resources, LP Certification

The rights-of-way and property boundaries on this figure are depicted as accurate as possible based on the scale of the WDOT maps and deeds researched.

Flint Hills Resources, LP Authorized Signature:

_____



LEGEND SOIL DEED RESTRICTION

- = Filter Spill (April 2000)
- = Tank 323 Release (discovered October 2000)
- = Additive Tank Area (July 2001, September 2001)
- = Loading Rack Drain Upgrade (October/November 2004)
- = Tank 306 Valve Leak (discovered July 2005)

LEGEND GROUNDWATER GIS

- = Groundwater Flow Direction (12/08/04)
- = Inferred Extent of Groundwater Contamination > NR 140 ES (12/08/04)
- = Inferred Extent of Groundwater Contamination > NR 140 PAL (12/08/04)

MAXIM TECHNOLOGIES

Wausau, Wisconsin

FIGURE 1

SITE MAP FOR GIS REGISTRATION/SOIL DEED RESTRICTION
JUNCTION CITY TERMINAL
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WI

PROJECT #: 5340048
DATE: 05/31/05
DRAWN BY: ALT/TT
REVIEWED BY: GMA
SCALE: Relative
FILE: S:\autocad\koch\junction\acad2000\GIS Registration\GIS Registration.dwg

TETRA TECH, INC.

TABLE 3
GROUNDWATER TABLE ELEVATIONS (FEET)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

Location	Reference Elevation (toc)	Well Depth (ft bls)	2/21/1996	6/27/1996	11/13/1996	2/12/1997	5/19/1997	8/13/1997	11/12/1997	2/4/1998	5/6/1998	8/5/1998	10/19/1998	12/30/1998
MW-1	1123.10	18.0	1112.83	1114.92	1112.77	1112.37	1113.82	1112.95	1111.54	1112.09	1113.72	1112.54	1111.54	1111.79
MW-2	1132.48	14.5	1125.93	1128.98	1126.93	1126.61	1128.45	1127.73	1126.58	1126.16	1127.65	1127.62	1126.96	1126.27
MW-3	1132.69	13.5	1125.35	1127.55	1124.00	1125.65	1127.00	1124.95	1124.47	1124.49	1126.77	1124.56	1123.91	1124.51
MW-4	1127.74	18.0	1111.39	1117.08	1113.46	1114.45	1115.75	1115.09	1114.06	1114.13	1115.92	1114.98	1112.89	1113.21
MW-5	1128.34	13.0	1124.20	1124.78	1124.12	1125.67	1124.50	1124.35	1123.98	1124.72	1124.34	1123.85	1124.24	1123.63
MW-6	1128.82	13.0	1123.65	1124.51	1124.30	1125.97	1124.77	1124.51	1123.67	1125.02	1123.85	1122.84	1124.37	1123.56
MW-7	1128.01	14.0	x	1123.42	1123.45	1123.37	1123.51	1123.27	1122.23	1123.44	1122.89	1121.73	1122.94	1122.24
MW-8	1135.80	13.0	1129.93	1133.44	1128.96	1128.75	1131.30	1129.25	1129.05	1128.62	1122.85	1129.70	1127.39	1127.85
MW-9	1124.56	13.0	1119.91	1120.22	1116.04	1119.89	1119.25	1117.38	1117.30	1123.60	1119.47	1116.98	1116.52	1117.29
MW-10	1117.81	13.0	1108.51	1112.13	1109.31	1110.77	1112.06	1109.34	1109.53	1110.78	1111.92	1108.93	1107.99	1107.76
MW-11	1138.84	13.0	*	1131.51	1128.64	1128.66	1130.41	1128.95	1128.17	1128.64	1130.50	1128.83	1128.47	1118.66
MW-12	1128.44	13.0	*	1125.09	1123.81	1124.29	1124.34	1123.69	x	1124.16	1123.94	1122.95	1123.49	1123.24
MW-13	1136.24	13.0	*	1130.40	1127.52	1127.19	1129.18	1127.68	1127.07	1126.50	1129.02	1127.23	1126.29	1126.43
MW-14	1126.60	13.0	*	1124.37	1121.96	1122.74	1124.27	1121.81	1121.67	1123.40	1124.04	1120.85	1121.33	1121.69
MW-15	1123.20	13.0	*	1113.15	1117.39	1120.32	1117.69	1116.33	1117.16	1118.58	1117.56	1115.84	1115.85	1117.67
MW-16	1120.32	18.0	x	x	x	x	x	x	x	x	x	x	1110.22	1111.87
MW-17	1111.93	12.0	*	*	*	*	*	*	*	*	*	*	*	*
MW-19	1123.41	14.0	*	*	*	*	*	*	*	*	*	*	*	*
MW-20	1121.86	14.0	*	*	*	*	*	*	*	*	*	*	*	*
MW-21	1115.79	14.0	*	*	*	*	*	*	*	*	*	*	*	*
MW-22	1123.52	12.0	*	*	*	*	*	*	*	*	*	*	*	*
PZ-1	1133.85	49.2	x	x	x	x	x	x	x	x	x	1125.70	1125.52	1125.05
PZ-2	1127.69	29.0	x	x	x	x	x	x	x	x	x	x	x	1122.12
PZ-3	1128.58	28.0	x	x	x	x	x	x	x	x	x	x	x	1123.94
PZ-4	1132.57	29.0	x	x	x	x	x	x	x	x	x	1127.17	1126.46	1125.94
PZ-5	1135.75	29.0	x	x	x	x	x	x	x	x	x	x	x	1128.10
PZ-6	1122.78	32.0	x	x	x	x	x	x	x	x	x	x	x	1111.39
PZ-7	1117.58	28.0	x	x	x	x	x	x	x	x	x	x	x	1108.65
PZ-8	1123.00	28.0	x	x	x	x	x	x	x	x	x	1115.91	1115.49	1116.95
PZ-9	1120.26	40.0	x	x	x	x	x	x	x	x	x	x	x	1100.93
PZ-10	1121.94	30.0	*	*	*	*	*	*	*	*	*	*	*	*

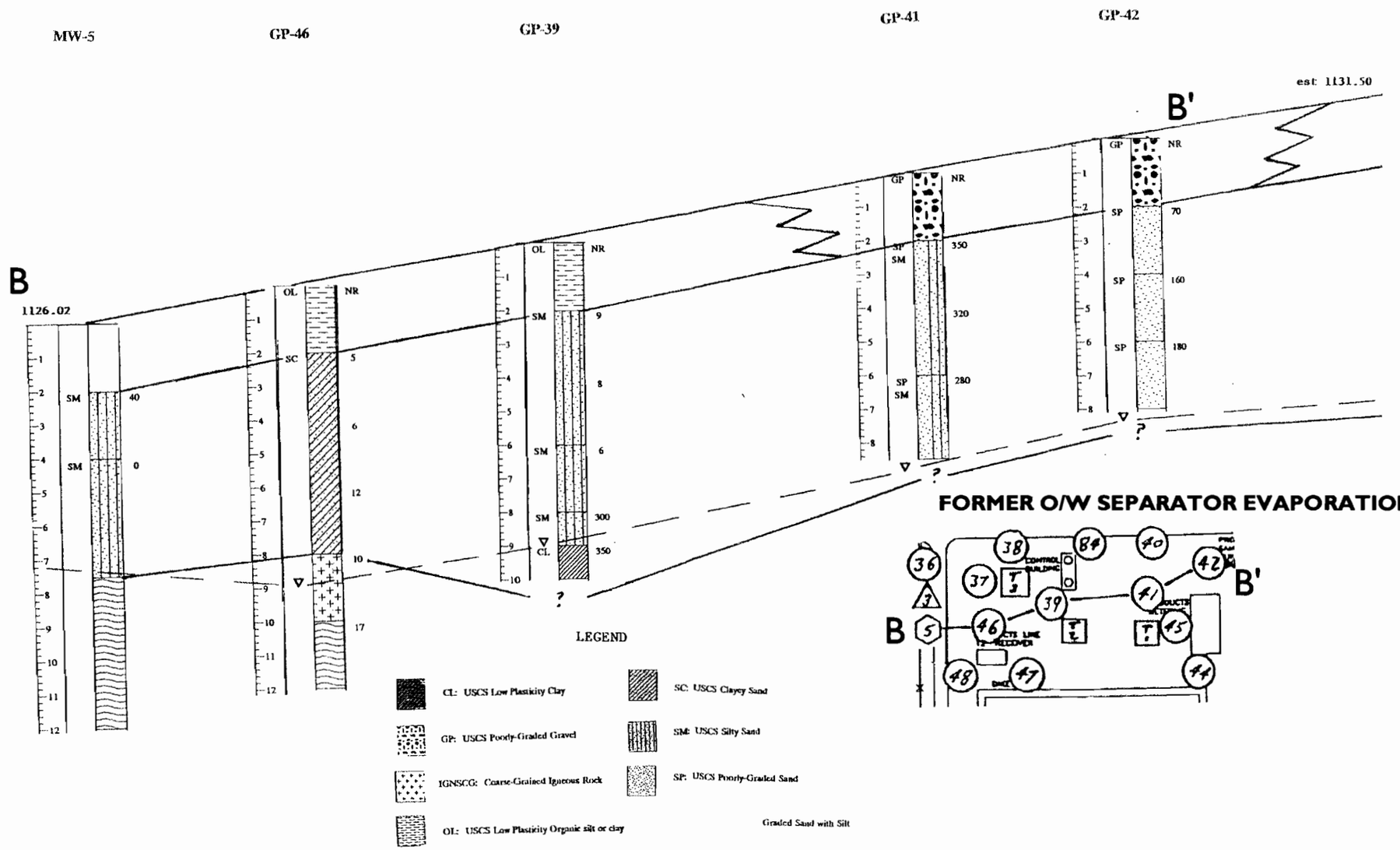
x = Measurement not recorded toc = top of casing ft bls = feet below land surface * = well not yet installed ** = MW-18 abandoned 1/8/03

TETRA TECH, INC.

TABLE 3
GROUNDWATER TABLE ELEVATIONS (FEET)
FLINT HILLS RESOURCES, LP
JUNCTION CITY, WISCONSIN
TETRA TECH #5340048

Location	Reference Elevation (toc)	Well Depth (ft bls)	4/6/2000	10/29/2001	12/27/2001	3/6/2002	12/16/2002	3/18/2003	7/1/2003	12/4/2003	3/2/2004	6/2/2004	8/31/2004	12/8/2004
MW-1	1123.10	18.0	x	x	x	x	1111.95	x	x	1113.10	x		x	1113.34
MW-2	1132.48	14.5	x	x	x	x	1126.96	x	1128.26	1127.40	x	1130.20	x	1128.10
MW-3	1132.69	13.5	x	x	x	x	1124.98	x	x	1125.60	x	x	x	x
MW-4	1127.74	18.0	x	x	x	x	1115.24	x	x	1113.33	x	x	x	1114.00
MW-5	1128.34	13.0	x	x	x	x	1123.38	1121.45	1123.65	1123.72	1123.36	1125.09	1122.97	1124.49
MW-6	1128.82	13.0	x	x	x	x	1123.06	x	x	1123.78	x	x	x	1125.22
MW-7	1128.01	14.0	x	x	x	x	1121.82	x	x	1122.18	x	x	x	1122.72
MW-8	1135.80	13.0	x	x	x	x	1129.30	x	x	1128.68	x	x	x	1130.66
MW-9	1124.56	13.0	x	x	x	x	1118.13	x	x	1118.30	x	x	x	1120.60
MW-10	1117.81	13.0	x	x	x	x	1110.69	x	x	1110.05	x	x	x	1110.77
MW-11	1138.84	13.0	x	x	x	x	x	x	x	x	x	x	x	x
MW-12	1128.44	13.0	x	x	x	x	x	x	x	x	x	x	x	x
MW-13	1136.24	13.0	x	x	x	x	x	x	x	x	x	x	x	x
MW-14	1126.60	13.0	x	x	x	x	1122.08	x	x	1121.30	x	x	x	1121.87
MW-15	1123.20	13.0	1119.06	1118.34	1119.09	1117.80	1117.35	x	1117.10	1118.62	x	1119.68	x	1119.79
MW-16	1120.32	18.0	1115.02	1114.51	1116.00	1114.21	1113.78	x	1113.51	1113.40	x	1116.73	x	1115.56
MW-17	1111.93	12.0	1105.47	1106.16	1107.76	1107.40	1106.71	x	1105.40	1104.30	x	1108.20	x	1107.55
MW-19	1123.41	14.0	*	*	*	*	1118.49	1116.63	1118.18	1119.12	1118.43	1119.81	1117.18	1120.12
MW-20	1121.86	14.0	*	*	*	*	1113.54	1110.96	1114.28	1114.31	1113.23	1118.48	1112.86	1114.83
MW-21	1115.79	14.0	*	*	*	*	1106.14	1107.94	1110.11	1110.74	1109.64	1112.28	1109.21	1111.77
MW-22	1123.52	12.0	*	*	*	*	1119.02	1119.08	1118.52	1118.94	1119.50	1120.54	1117.47	1119.75
PZ-1	1133.85	49.2	x	x	x	x	x	x	x	x	x	x	x	x
PZ-2	1127.69	29.0	x	x	x	x	x	x	x	x	x	x	x	1123.21
PZ-3	1128.58	28.0	x	x	x	x	1123.82	x	x	1123.93	x	x	x	1124.08
PZ-4	1132.57	29.0	x	x	x	x	x	x	x	x	x	x	x	x
PZ-5	1135.75	29.0	x	x	x	x	x	x	x	x	x	x	x	1131.07
PZ-6	1122.78	32.0	x	x	x	x	1111.77	x	x	1111.40	x	x	x	1112.76
PZ-7	1117.58	28.0	x	x	x	x	x	x	x	1109.93	x	x	x	1110.70
PZ-8	1123.00	28.0	1119.08	1118.14	1119.26	1118.35	1117.60	x	1117.36	1118.21	x	x	x	1119.70
PZ-9	1120.26	40.0	1114.19	1112.98	1107.71	1108.47	1114.63	x	1113.17	1110.60	x	x	x	1112.04
PZ-10	1121.94	30.0	*	*	*	*	1113.94	1111.07	1114.13	1114.04	1113.25	1113.25	1112.91	1114.70

x = Measurement not recorded toc = top of casing ft bls = feet below land surface * = well not yet installed ** = MW-18 abandoned 1/8/03



FORMER O/W SEPARATOR EVAPORATION POND AREA

Tetra Tech

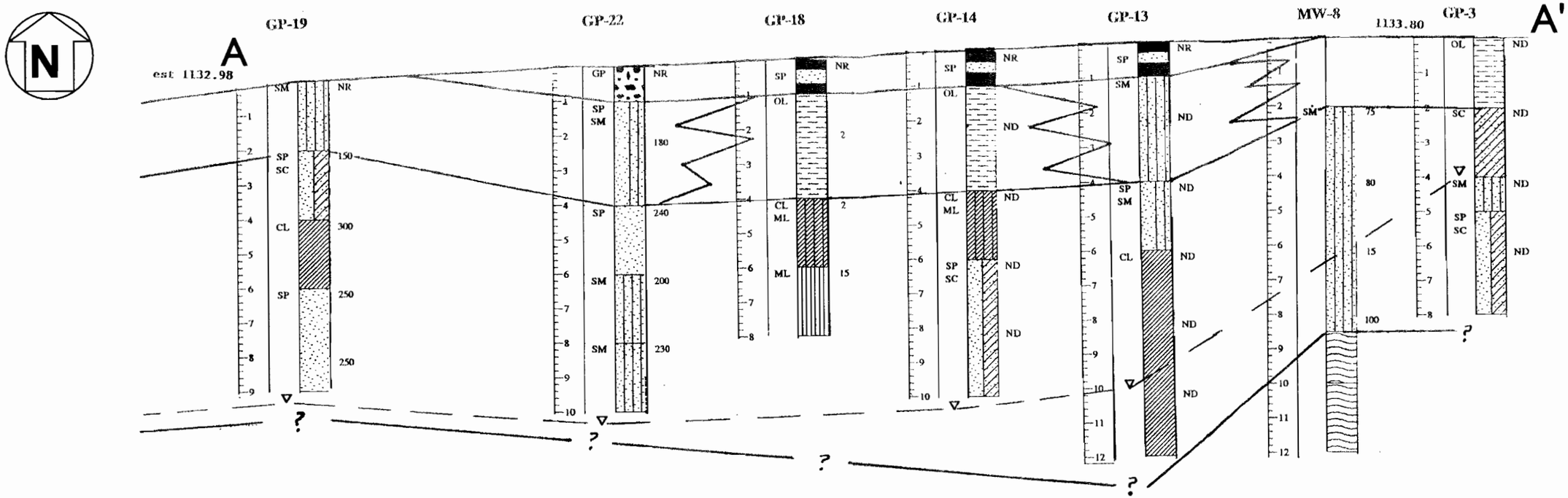
Wausau, Wisconsin

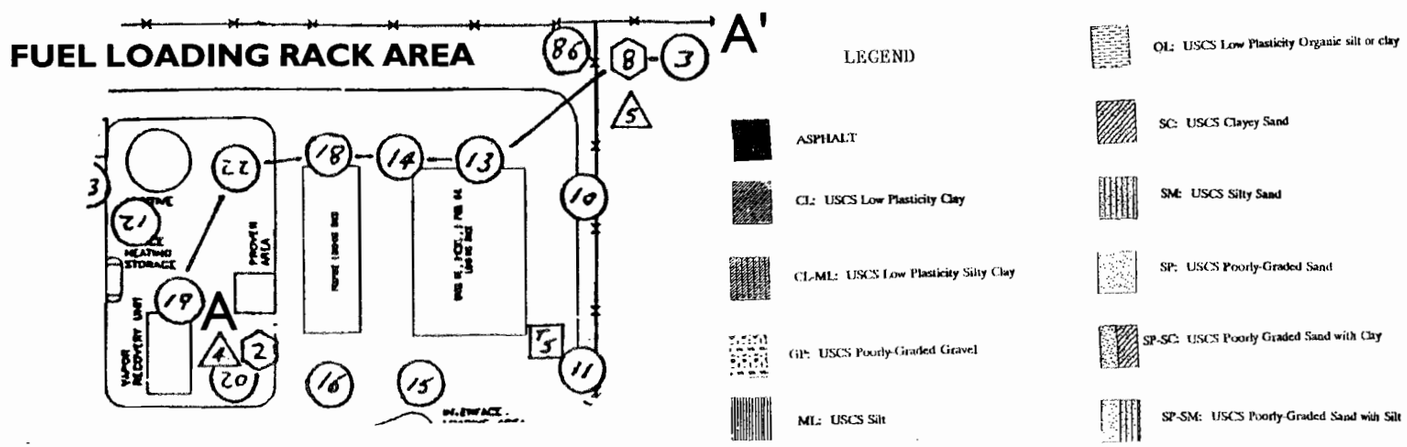
FIGURE 5

GEOLOGIC CROSS SECTION B-B'
FORMER O/W SEPARATOR EVAPORATION POND AREA
FLINT HILLS RESOURCES, LP
JUNCTION CITY TERMINAL
JUNCTION CITY, WI

PROJECT #:	5340048
DATE:	2/14/2002
DRAWN BY:	TWR
REVIEWED BY:	GMA
SCALE:	RELATIVE

S:\Autocad\KOCH\Junction City\AutoCAD 2000\GIS Registration\Geologic Cross Sections





Tetra Tech

Wausau, Wisconsin

FIGURE 4

GEOLOGIC CROSS SECTION A-A'
FUEL LOADING RACK AREA
FLINT HILLS RESOURCES, LP
JUNCTION CITY TERMINAL
JUNCTION CITY, WI

PROJECT #:	5340048
DATE:	2/14/2002
DRAWN BY:	TWR
REVIEWED BY:	GMA
SCALE:	RELATIVE

S:\Autocad\KOCH\Junction City\AutoCAD 2000\GIS Registration\Geologic Cross Sections

"I believe that the attached legal description of the Junction City, Wisconsin fuel terminal property, owned and operated by Flint Hills Resources, is the only property within the petroleum-impacted site's boundary that has residual petroleum-impacted soil in excess of ch. NR 720 generic soil cleanup standards and/or ch. NR 746 direct contact or risk screening standards.

I also believe that the attached legal descriptions of the Junction City, Wisconsin fuel terminal property, the State of Wisconsin Highway 34 Right-of-Way (legal description not available), and the Wisconsin Department of Transportation property located to the west of the terminal property are the only properties that exhibit residual petroleum-impacted groundwater in excess of ch. NR 140 enforcement standards or preventive action limits at the current time."

Signed: Timothy S Marion **Dated:** 2/25/08

Timothy Shawn Marion
Junction City Terminal Manager
Flint Hills Resources, LP
2267 State Highway 34
Junction City, WI 54443

TETRA TECH, INC.

555 South 72nd Avenue
Wausau, WI 54401

(715) 845-4100
Fax (715) 842-0381

March 21, 2007

Wisconsin Department of Transportation
Attn: Ms. Sharlene Te Beest
Hazardous Materials Specialist
Bureau of Environment

SUBJECT: Notification of Contamination within Right-Of-Way - **REVISED**
Flint Hills Resources, LP – Junction City Fuel Terminal
Junction City, Wisconsin
WDNR - BRRTS # 02-50-000353
Tetra Tech Project #5340048

Ms. Te Beest:

On behalf of Flint Hills Resources, LP (FHR) and in accordance with contaminated site closure requirements of s. NR 726.05(2)(a)4, Tetra Tech, Inc. (formerly Maxim Technologies), is providing the following information regarding the presence of groundwater contamination within the right-of-way of State Highway 34 that appears to have originated at FHR's Junction City, WI fuel terminal. **Tetra Tech is providing this revised notification to include the most current site layout diagram, referenced as Figure 1.**

County:	Portage County
Highway:	State Highway 34
Site Name:	Flint Hills Resources Junction City Terminal
Site Address:	2267 State Highway 34 Junction City, WI 54443
BRRTS #:	02-50-000353
PECFA #:	54443004006
FID #:	None
Responsible Party's Name / Address:	Flint Hills Resources, LP PO Box 64596 St. Paul, MN 55164-0596
Consultant:	Tetra Tech, Inc. 555 South 72nd Avenue Wausau, WI 54401 Ph. 715/845-4100 Fax 715/842-0381
Consultant Contact:	Greg Aldrian galdrian@maximusa.com

Groundwater Contamination: YES

Based on results of remedial investigation activities completed to date in conjunction with the above referenced project, residual groundwater contamination is present in the Rights-of-Way of State Highway 34 (both the east and west sides, see attached Figure 1), at FHR's Junction City, WI fuel terminal located at 2267 State Highway 34, Junction City, WI. Results indicate groundwater concentrations of benzene and 1,2-dichloroethane (1,2-DCA) may be present in excess of NR 140 enforcement standards. The groundwater table depth varies seasonally and can range between 1-foot and 8-feet below land surface.

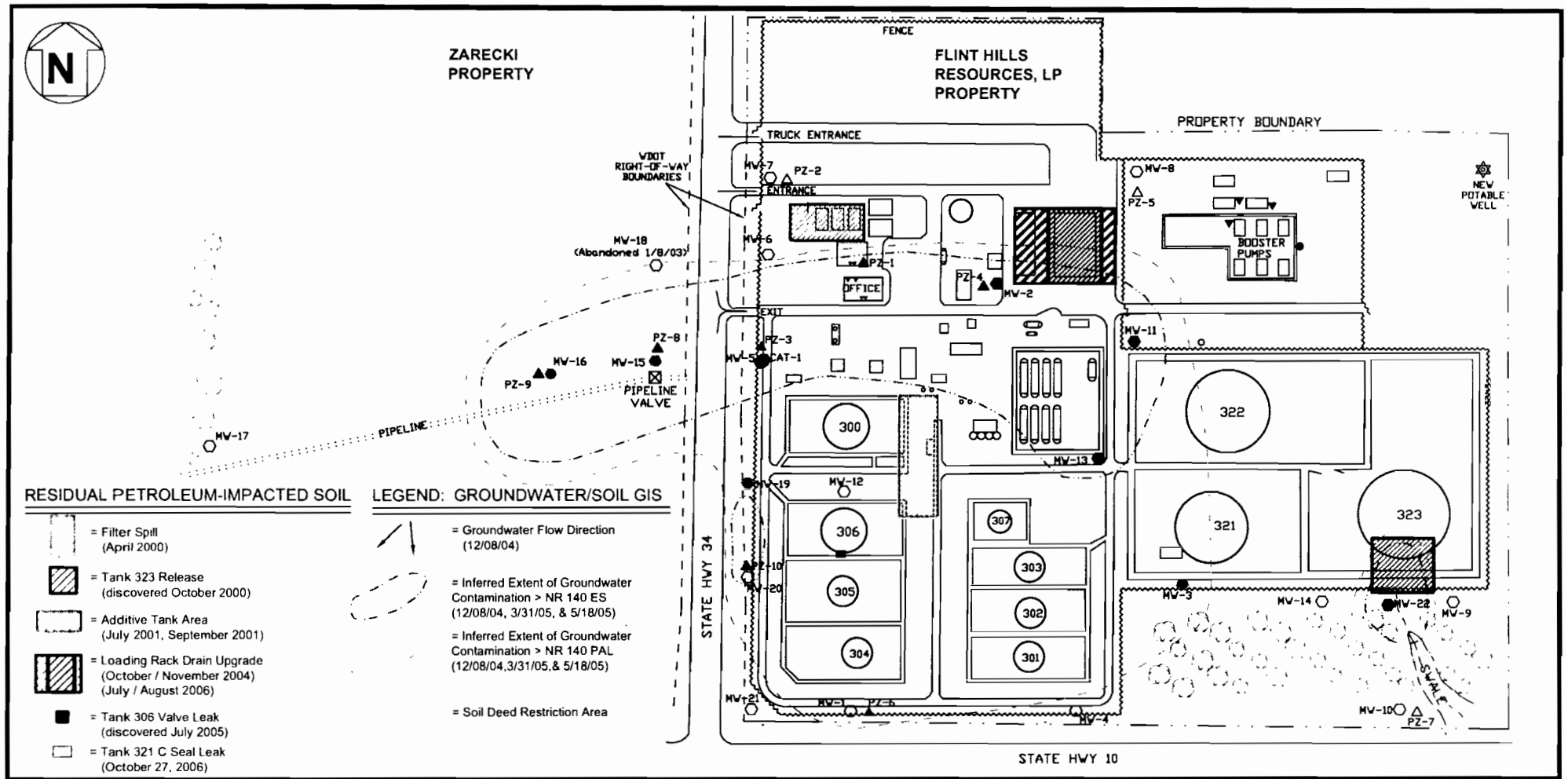
On behalf of FHR, Tetra Tech will be submitting all data collected to date for WDNR consideration of conditional case closure with GIS registration. Also, in accordance with s. NR 726.05(2)(a)4, this information will be provided to the Portage County clerk and to the Town of Carson clerk.

If you need more information or have any questions regarding this submittal, you may contact me at Tetra Tech, Inc., 555 South 72nd Avenue, Wausau, WI, 54401 Telephone # (715) 845-4100.

Sincerely,
TETRA TECH, INC.

Gregory M. Aldrian, PG
Office Manager

GMA/mam
S:\ENV\KOCH_FHR\JUNCTION CITY\5340048_9857830\2007\Notifications\WDOT_re-notification.doc



RESIDUAL PETROLEUM-IMPACTED SOIL

- = Filter Spill (April 2000)
- = Tank 323 Release (discovered October 2000)
- = Additive Tank Area (July 2001, September 2001)
- = Loading Rack Drain Upgrade (October / November 2004) (July / August 2006)
- = Tank 306 Valve Leak (discovered July 2005)
- = Tank 321 C Seal Leak (October 27, 2006)

LEGEND: GROUNDWATER/SOIL GIS

- = Groundwater Flow Direction (12/08/04)
- = Inferred Extent of Groundwater Contamination > NR 140 ES (12/08/04, 3/31/05, & 5/18/05)
- = Inferred Extent of Groundwater Contamination > NR 140 PAL (12/08/04,3/31/05,& 5/18/05)
- = Soil Deed Restriction Area

Wausau, Wisconsin

FIGURE 1

SITE MAP for GIS REGISTRATION / SOIL DEED RESTRICTION
FLINT HILLS RESOURCES, LP
JUNCTION CITY TERMINAL
JUNCTION CITY, WI

PROJECT #: 5340048
DATE: 02/28/07
DRAWN BY: ALT/TT/MAM
REVIEWED BY: GMA
SCALE: Relative
FILE: S:\autocad\koch\junction\acad2000\GIS Registration\GIS Registration 2007 rev.dwg

TETRA TECH, INC.

555 South 72nd Avenue
Wausau, WI 54401

(715) 845-4100
Fax (715) 842-0381

March 22, 2007

Portage County, Wisconsin
Attn: Mr. Roger Wryca
Portage County Clerk
1516 Church Street
Stevens Point, WI 54481

SUBJECT: Notification of Contamination within Right-Of-Way - **REVISED**
Flint Hills Resources, LP – Junction City Fuel Terminal
Junction City, Wisconsin
WDNR - BRRTS # 02-50-000353
Tetra Tech Project #5340048

Mr. Wryca:

On behalf of Flint Hills Resources, LP (FHR), and in accordance with contaminated site closure requirements of s. NR 726.05(2)(a)4, Tetra Tech, Inc. (formerly Maxim Technologies), is providing the following information regarding the presence of groundwater contamination within the right-of-way of State Highway 34 that appears to have originated at FHR's Junction City, WI fuel terminal. **Tetra Tech is providing this revised notification to include the most current site layout diagram, referenced as Figure 1.**

County:	Portage County
Highway:	State Highway 34
Site Name:	Flint Hills Resources Junction City Terminal
Site Address:	2267 State Highway 34 Junction City, WI 54443
BRRTS #:	02-50-000353
PECFA #:	54443004006
FID #:	None
Responsible Party's Name / Address:	Flint Hills Resources, LP PO Box 64596 St. Paul, MN 55164-0596
Consultant:	Tetra Tech, Inc. 555 South 72nd Avenue Wausau, WI 54401 Ph. 715/845-4100 Fax 715/842-0381
Consultant Contact:	Greg Aldrian greg.aldrian@tetratech.com

Groundwater Contamination: YES

Based on results of remedial investigation activities completed to date in conjunction with the above referenced project, residual groundwater contamination is present in the Rights-of-Way of State Highway 34 (both the east and west sides, see attached Figure 1), at FHR's Junction City, WI fuel terminal located at 2267 State Highway 34, Junction City, WI. Results indicate groundwater concentrations of benzene and 1,2-dichloroethane (1,2-DCA) may be present in excess of NR 140 enforcement standards. The groundwater table depth varies seasonally and can range between 1-foot and 8-feet below land surface.

On behalf of FHR, Tetra Tech will be submitting all data collected to date for WDNR consideration of conditional case closure with GIS registration. Also, in accordance with s. NR 726.05(2)(a)4, this information will be provided to the Wisconsin Department of Transportation and to the Portage County clerk.

If you need more information or have any questions regarding this submittal, you may contact me at Tetra Tech, Inc., 555 South 72nd Avenue, Wausau, WI, 54401 Telephone # (715) 845-4100.

Sincerely,
TETRA TECH, INC.

Marsha Meurette

for Gregory M. Aldrian, PG
Office Manager

GMA/mam
S:\ENV\KOCH_FHR\JUNCTION CITY\5340048_9857830\2007\Notifications\Town of Carson_Re-notification.doc

TETRA TECH, INC

555 South 72nd Avenue
Wausau, WI 54401

(715) 845-4100
Fax (715) 842-0381

March 22, 2007

Town of Carson, Wisconsin
Attn: Ms. Annette Stashek
Town Clerk
5286 Lone Elm Road
Junction City, WI 54443

SUBJECT: Notification of Contamination within Right-Of-Way - **REVISED**
Flint Hills Resources, LP – Junction City Fuel Terminal
Junction City, Wisconsin
WDNR - BRRTS # 02-50-000353
Tetra Tech Project #5340048

Ms. Stashek:

On behalf of Flint Hills Resources, LP (FHR), and in accordance with contaminated site closure requirements of s. NR 726.05(2)(a)4, Tetra Tech, Inc. (formerly Maxim Technologies) is providing the following information regarding the presence of groundwater contamination within the right-of-way of State Highway 34 that appears to have originated at FHR's Junction City, WI fuel terminal. **Tetra Tech is providing this revised notification to include the most current site layout diagram, referenced as Figure 1.**

County:	Portage County
Highway:	State Highway 34
Site Name:	Flint Hills Resources Junction City Terminal
Site Address:	2267 State Highway 34 Junction City, WI 54443
BRRTS #:	02-50-000353
PECFA #:	54443004006
FID #:	None
Responsible Party's Name / Address:	Flint Hills Resources, LP PO Box 64596 St. Paul, MN 55164-0596
Consultant:	Tetra Tech, Inc. 555 South 72nd Avenue Wausau, WI 54401 Ph. 715/845-4100 Fax 715/842-0381
Consultant Contact:	Greg Aldrian greg.aldrian@tetratech.com

Groundwater Contamination: YES

Based on results of remedial investigation activities completed to date in conjunction with the above referenced project, residual groundwater contamination is present in the Rights-of-Way of State Highway 34 (both the east and west sides, see attached Figure 1), at FHR's Junction City, WI fuel terminal located at 2267 State Highway 34, Junction City, WI. Results indicate groundwater concentrations of benzene and 1,2-dichloroethane (1,2-DCA) may be present in excess of NR 140 enforcement standards. The groundwater table depth varies seasonally and can range between 1-foot and 8-feet below land surface.

On behalf of FHR, Tetra Tech will be submitting all data collected to date for WDNR consideration of conditional case closure with GIS registration. Also, in accordance with s. NR 726.05(2)(a)4, this information will be provided to the Wisconsin Department of Transportation and to the Town of Carson clerk.

If you need more information or have any questions regarding this submittal, you may contact me at Tetra Tech, Inc., 555 South 72nd Avenue, Wausau, WI, 54401 Telephone # (715) 845-4100.

Sincerely,
TETRA TECH, INC.

Marsha Meurette

for Gregory M. Aldrian, PG
Office Manager

GMA/mam
S:\ENV\KOCH_FHR\JUNCTION CITY\5340048_9857830\2007\Notifications\Portage County_Re-notification.doc