

**GIS REGISTRY INFORMATION**

**SITE NAME:** Koch Refining Co. Christie Pump Station (aka Flint Hills Resources)  
**BRRTS #:** 02-10-180141 **FID # (if appropriate):** \_\_\_\_\_  
**COMMERCE # (if appropriate):** \_\_\_\_\_  
**CLOSURE DATE:** 01/24/2008  
**STREET ADDRESS:** Tree Road - 1 miles south of Christie on Hwy 73 and 0.8 mile west of Hwy 73  
**CITY:** Christie (Town of Weston)

**SOURCE PROPERTY Locational COORDINATES** (meters in WTM91 projection): X= 472563 Y= 462439

**CONTAMINATED MEDIA:** Groundwater  Soil  Both   
**OFF-SOURCE GW CONTAMINATION >ES:**  Yes  No

**IF YES, STREET ADDRESS 1:** \_\_\_\_\_  
**Locational COORDINATES** (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

**OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):**  Yes  No  
**IF YES, STREET ADDRESS 1:** \_\_\_\_\_

**Locational COORDINATES** (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_  
**CONTAMINATION IN RIGHT OF WAY:**  Yes  No

**DOCUMENTS NEEDED:**

- Closure Letter, and any conditional closure letter or denial letter issued X
- Copy of letter explaining ownership 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 X
- 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** X
- 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)** NA
- Letter informing ROW owner of residual contamination (if applicable)**(public, highway or railroad ROW) NA



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

West Central Region Headquarters  
1300 W. Clairemont Avenue  
PO Box 4001  
Eau Claire, Wisconsin 54702-4001  
Telephone 715-839-3700  
FAX 715-839-6076  
TTY Access via relay - 711

January 24, 2008

Flint Hills Resources, LP  
c/o Marc Coggeshall  
Reiss Remediation  
4111 E. 37th Street, North  
Wichita, KS 67220

Subject: Final Closure with Land Use Conditions, Christie Pump Station  
Clark County, WDNR #02-10-180141

Dear Mr. Coggeshall:

On October 17, 2007, the West Central Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On November 29, 2007, you were notified that the Closure Committee had granted conditional closure to this case.

On December 20, 2007 the Department received correspondence indicating that you have complied with the requirements of closure. Monitoring well abandonment forms were received.

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 in this letter 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.
- If a structural impediment that obstructs a complete site investigation or cleanup is removed or modified, additional environmental work must be completed.
- Before the land use can be changed from industrial to non-industrial, additional environmental work must be completed.
- The existing chain link fencing that prevents access to the site to all but authorized maintenance personnel must be maintained.
- Groundwater contamination is present above Chapter NR 140 enforcement standards

Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval 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 <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

### Closure Conditions

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. It is the Department's intent to conduct inspections in the future to ensure that the conditions included in this letter including compliance with referenced maintenance plans are met.

### Residual Soil Contamination

Residual soil contamination remains in an area the perimeter of which circumscribes B-3, B-4, B-5, and B-6 as shown on Figure 6 which is included in the GIS Registry materials for this site. If soil in the specific location described above 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 excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

### Structural Impediments

Structural impediments existing at the time of cleanup, structures related to operation of a fuel pipeline and pump station, made complete investigation and remediation of the soil contamination on this property impracticable. Pursuant to s. 292.12(2)(b), Wis. Stats., if the structural impediments on this property that are described above are removed or modified, the property owner shall conduct an investigation of the degree and extent of petroleum contamination.

### Industrial Residual Soil Standards

Soil samples that are representative of currently remaining residual soil contamination on this property were collected on 8/24/06, contained petroleum compounds in concentrations that exceed NR720 non-industrial residual soil standards. Therefore, pursuant to s. 292.12(2)(c), Wis. Stats., the property described above may not be used or developed for a residential, commercial, agricultural or other non-industrial use, unless (at the time that the non-industrial use is proposed) an investigation is conducted,

to determine the degree and extent of petroleum contamination that remains on the property, and remedial action is taken as necessary to meet all applicable non-industrial soil cleanup standards.

### Fence

The chain link fencing that currently exists on the site shall be maintained in order to minimize the potential for direct contact with residual soil contamination that might otherwise pose a threat to human health.

### Residual Groundwater Contamination

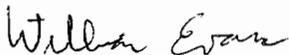
Groundwater impacted by petroleum contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on the contaminated property. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

### Vapor Migration

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

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact me at 715-839-3710.

Sincerely,



William Evans  
West Central Region Remediation & Redevelopment Team Supervisor

Copy: Greg Aldrian, Tetra Tech, 555 S. 72<sup>nd</sup> Ave., Wausau, WI 54401  
Randy D. Lenz, Vice-President, Terminal Operations, Flint Hills Resources, P.O. Box 64596  
St. Paul, MN 55164



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

West Central Region Headquarters  
1300 W. Clairemont Avenue  
PO Box 4001  
Eau Claire, Wisconsin 54702-4001  
Telephone 715-839-3700  
FAX 715-839-6076  
TTY Access via relay - 711

November 29, 2007

*copy*

Koch Pipeline Co. LLC (operator for Flint Hills Resources)  
ATTN: Nicolle Nyzio  
P.O. Box 64596  
St. Paul, MN 55164-0596

Subject: CONDITIONAL CLOSURE and Requirements to Attain Final Closure, Koch Pipeline Co., Christie Pump Station, Clark Co., DNR #02-10-180141

Dear Ms. Nyzio:

On October 17, 2007, the Remediation Program West Central Region case closeout committee reviewed your request for closure of the case described above. The committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the committee has determined that the petroleum contamination on the site from the pump station appears to have been investigated and remediated to the extent practicable under site conditions. On October 22, 2007, you were advised that pending signing and recording of the draft deed restriction that was submitted with your closeout request; your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code.

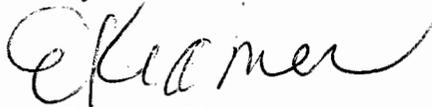
The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-5B found at [www.dnr.state.wi.us/org/water/dwg/gw/](http://www.dnr.state.wi.us/org/water/dwg/gw/) or provided by the Department of Natural Resources.

When the above conditions have been satisfied, please submit the well abandonment forms to me 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 GIS Registry. To review the site on the GIS Registry web page, visit <http://maps.dnr.state.wi.us/brrts>.

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

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-839-3824, by e-mail at [eileen.kramer@wisconsin.gov](mailto:eileen.kramer@wisconsin.gov), or in writing at the address on the above letterhead.

Sincerely,

A handwritten signature in cursive script that reads "E. Kramer".

Eileen Kramer, P.H.  
Hydrogeologist  
Bureau for Remediation & Redevelopment

cc: Greg Aldrian/Marsha Meurette, Tetra Tech, 555 S. 72<sup>nd</sup> St., Wausau, WI 54401  
Marc Coggeshall, 4111 E. 37<sup>th</sup> St.N., Wichita, KS 67220



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

West Central Region Headquarters  
1300 W. Clairemont Avenue  
PO Box 4001  
Eau Claire, Wisconsin 54702-4001  
Telephone 715-839-3700  
FAX 715-839-6076  
TTY Access via relay - 711

October 22, 2007

Koch Pipeline Co. LLC  
(operator for Flint Hills Resources)  
PO Box 64596  
St. Paul, MN 55164-0596

ATTN: Nicolle Nyzio

Subject: Koch Pipeline Co. - Christie Pump Station; CLOSURE DENIAL PENDING  
RECORDING OF DEED RESTRICTION; 02-10-180141

Dear Ms. Nyzio:

On October 17, 2007, the Remediation Program West Central Region case closeout committee reviewed your request for closure of the case described above. The committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of your closure request, the committee determined that your case will meet the requirements for closure when you have signed and recorded the deed restriction that was submitted with your closeout request. The purpose of this letter is to inform you of the remaining requirements for obtaining closure, and to request your completion of the closure requirements within 60 days of receiving this letter.

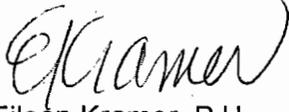
The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-5B found at [www.dnr.state.wi.us/org/water/dwg/gw/](http://www.dnr.state.wi.us/org/water/dwg/gw/) or provided by the Department of Natural Resources. NOTE: MONITORING WELLS SHOULD BE ABANDONED ONLY IF ALL OTHER REQUIREMENTS OF CLOSURE ARE MET.

When all the above requirements have been satisfied, please submit a letter, together with any required documentation, to let me know that applicable requirements have been met. 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 GIS Registry. To review the sites on the GIS Registry web page, visit <http://maps.dnr.state.wi.us/brrts>. The department's final closure letter for this site will also require that the site usage remain industrial, the locked fencing be maintained, and additional investigation if the existing structural impediments are removed.

Note: case closure will be approved only if all the above requirements have been satisfied, including submitting the required documentation to the Department. **Please satisfy these requirements within 60 days of the date of this letter. If these requirements have not been met your site will remain "open" and additional remedial actions may be necessary by you to eliminate the need for these requirements.**

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-839-3824, [eileen.kramer@wisconsin.gov](mailto:eileen.kramer@wisconsin.gov), or the mailing address above.

Sincerely,

A handwritten signature in black ink that reads "EKramer". The signature is written in a cursive, flowing style.

Eileen Kramer, P.H.  
Hydrogeologist  
Bureau for Remediation & Redevelopment

cc: Greg Aldrian/Marsha Meurette, Tetra Tech, 555 S 72<sup>nd</sup> St., Wausau, WI 54401  
Marc Coggeshall, 4111 E 37<sup>th</sup> St. N, Wichita, KS 67220



TETRA TECH

June 29, 2007

Wisconsin Department of Natural Resources (WDNR)  
Attn: Ms. Eileen Kramer  
1300 W. Clairemont Avenue  
Eau Claire, WI 54702

SUBJECT: WDNR Case Summary and Close-Out Request  
Flint Hills Resources, LP – Christie Pump Station  
Christie, Wisconsin  
WDNR - BRRTS # 02-10-180141  
Tetra Tech Project #5340051

**RECEIVED**  
**JUL - 9 2007**  
**DNR-WCH**

Dear Ms. Kramer:

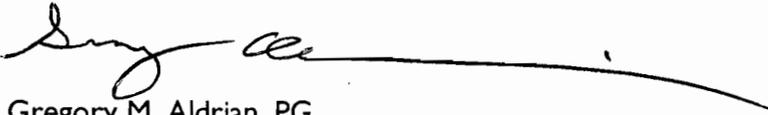
On behalf of Koch Pipeline Company, LP (KPL) and Flint Hills Resources, LP (FHR), and in accordance with contaminated site closure requirements, Tetra Tech, Inc. (Tetra Tech, formerly Maxim Technologies), is providing the enclosed case summary and close out request and GIS registration information for the above referenced site to the WDNR for review and closure consideration. This information has not been previously provided to the WDNR since the request for final closure consideration was suspended until pump station re-construction was completed which involved soil excavation and confirmatory soil sampling that would affect the determination of the final soil deed restriction area. Main pump station re-construction was completed in December 2006 and a final round of groundwater samples was collected in January 2007.

Also, please note that KPL currently operates the pipeline for FHR and that FHR is the current property owner of this project site. Therefore FHR is listed as the property owner on the draft property deed restriction included in the GIS registration information package, although the most current property deed for the Christie pump station (1978) lists Koch Refining Company as the property owner, and the most recent property tax bill (2006) lists Koch Pipelines, Inc. Koch Refining Company merged into Koch Refining Company, L.P. in 1995, which changed its name to Koch Petroleum Group, L.P. in 1999, which changed its name to Flint Hills Resources, LP in 2002. Koch Pipelines, Inc. dissolved in 1999, with its assets being distributed to Koch Petroleum Group, L.P. (n/k/a Flint Hills Resources, LP).

Therefore, on behalf of KPL and FHR, Tetra Tech respectfully submits this case summary and close out request package, including GIS registration information, for WDNR consideration of conditional case closure with GIS Registration and property deed restriction.

Please contact me if you need more information or have any questions regarding this submittal.

Sincerely,  
**TETRA TECH, INC.**



Gregory M. Aldrian, PG  
Project Manager / Office Manager

GMA:man  
S:\EN\KCOCH\_FHR\CHRISTIE\2007\Final Site Closure\Christie closure pkg cover lr.doc

Enclosure

cc: Koch Pipeline Company, LP  
Attn: Nicolle Nyzio  
12555 Clark Road  
Rosemount, MN 55068

Reiss Remediation, LLC  
Attn: Marc Coggeshall  
4111 East 37<sup>th</sup> Street North  
Wichita, KS 67220



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:

Engineering barriers made complete remediation of the soil contamination on this property impracticable. 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 addition, a drinking water supply well may not be constructed on the property within the area defined in Figure 1, unless additional groundwater sampling and analysis verifies that no dissolved phase petroleum constituents are present in excess of corresponding NR 140 Preventive Action Limits or Enforcement Standards.

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 15 day of November, 2007.

Flint Hills Resources, LP

By: [Signature] AEO  
Printed Name: Randy D. Lenz  
Title: V.P. Terminal Operations

Subscribed and sworn to before me  
this 15 day of November, 2007

[Signature]  
Notary Public, State of Kansas  
My commission 217109



NUMBER 373298 of 358 p. 663	Received For Record This <u>14</u>	INDEXED TO:	RETURNED TO:
	Day of <u>June</u> 1978 <u>Attest M</u>	<u>St. N-7N-25-2W</u>	<u>Koch Refining Co</u>
	By <u>Robert Hansen</u>		<u>Wichita, Kansas</u>
Register of Deeds, Clark Co., Wis.	By <u>Robert Hansen</u> Deputy		

358 p. 663  
GENERAL WARRANTY DEED

ARNOLD BUCHHOLZ and EILEEN BUCHHOLZ, hereafter called Grantors, of Clark County, Wisconsin, hereby convey and warrant to Koch Refining Company, Grantee, a corporation with offices at 4111 East 37th Street North (P.O. Box 2256) Wichita, Kansas 67220, for the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the following tract of land in Clark County, Wisconsin, to wit:

A parcel of land located in the SW-1/4 of the NW-1/4 of Section 23, T 25 N, R 2 W, Town of Weston, Clark County, Wisconsin, more fully described as follows:  
Beginning at the West 1/4 corner of said Section 23; thence North along the West line of the NW 1/4 of Section 23, 443.00 feet; thence S 89° 45' 10" E, 196.00 feet; thence South 443.00 feet to a point on the South line of said SW 1/4 of the NW 1/4; thence N 89° 45' 10" W along said line 196.00 feet to the point of beginning. Said parcel contains 1.99+ acres to the Quarter Section line and the South 33 feet.

Also subject to easements and restrictions of record.

IN WITNESS WHEREOF, said Grantors have hereunto set their hands this 14 day of June, 1978.

Arnold Buchholz  
ARNOLD BUCHHOLZ

Eileen Buchholz  
EILEEN BUCHHOLZ

TRANSFER  
14  
P. 663

STATE OF Wisconsin  
COUNTY OF Clark

The foregoing instrument was acknowledged before me this 14 day of June, 1978, by Arnold Buchholz and Eileen Buchholz



Julie Saul  
Notary Public

373298  
REGISTER'S OFFICE, S. H.  
COUNTY OF CLARK, WIS.  
Recorded for Record This 14 Day of  
June 1978 at 11:13 a.m.  
and recorded in Vol. 358  
of Records on page 663

Drafted by  
Philip D. Wright, Esq.  
Box 2256  
Wichita, KS 67201

Koch Refining Co  
P.O. Box 2256  
Wichita, Kansas 67201

CLARK COUNTY

are check payable to:

TOWN OF WESTON  
 HOWARD SCHULTZ, TREASURER  
 N6717 THOMAS AVE.  
 GREENWOOD WI 54437

Real Estate

STATE OF WISCONSIN  
**PROPERTY TAX BILL FOR 2006**  
 TOWN OF WESTON  
 CLARK COUNTY

KOCH PIPELINES INC

Parcel #: 060.0504.000

Correspondence should refer to tax number.  
 See reverse side for important information

Bill #: 15197 Receipt #: 460

Assessed Value Land	Ass'd. Value Improvements	Total Assessed Value	Avg. Ass'd. Rate	Est. Fair Mkt. Land	Est. Fair Mkt. Improvements	Total Est. Fair Mkt.	<input type="checkbox"/> A star in this box means unpaid prior year taxes.
6,200	4,000	10,200	.9819	6,300	4,100	10,400	

Taxing Jurisdiction	2005 Est. State Aids Allocated Tax Dist.	2006 Est. State Aids Allocated Tax Dist.	2005 Net Tax	2006 Net Tax	%Tax Change	Net Property Tax
STATE			1.89	1.80	4.7-	
COUNTY	66,531	64,378	76.43	73.71	3.5-	
TOWN OF WESTON	127,592	129,109	30.17	30.12	0.1-	
NEILLSVILLE SD 389	705,927	661,355	61.57	60.34	1.9-	
WCD DIST-EAU CLAIR	19,166	18,505	16.25	16.04	1.2-	
<b>Total</b>	<b>919,216</b>	<b>873,347</b>	<b>186.31</b>	<b>182.01</b>	<b>2.3-</b>	

Lottery & Gaming Credit  
 Net Property Tax

School taxes reduced by school levy tax credit 13.12

Net Assessed Value Rate (Does NOT reflect lottery credit)  
 .01784254

**FOR FULL PAYMENT**  
 PAY BY JANUARY 31, 2007  
 \$ 182.01  
 Warning: If not paid by due date, installment option is lost and total tax is delinquent subject to interest and if applicable, penalty. (See reverse)

**IMPORTANT:** Be sure this description covers your property. This description is for property tax bill only and may not be a full legal description.  
 1.99

S 445' OF W 196' OF SW-NW  
 SEC 23 TWP 25 N R 2 W

ID # 17873  
 KOCH PIPELINES, INC  
 WISCONSIN  
 ZFLINT HILLS RESOURCES LP  
 PO BOX 2917  
 WICHITA KS 67201-2917

Or Pay 1st Installment TO LOCAL TREAS \$ 91.01 By JANUARY 31, 2007	And Pay 2nd Installment TO COUNTY TREAS \$ 91.00 By JULY 31, 2007
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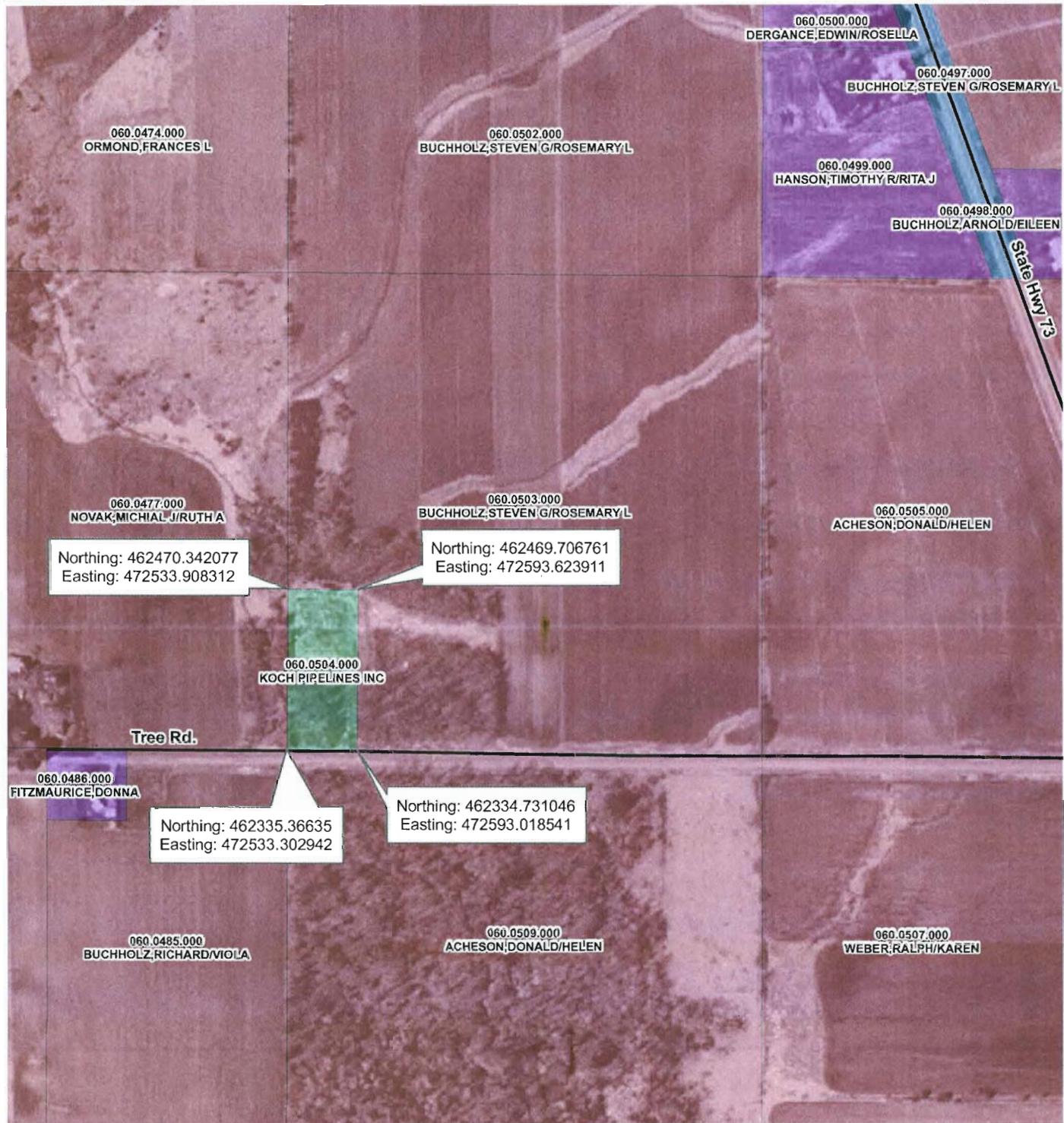
Special Change Paid	Special Tax Paid
Special Assessment Paid	Total Amount Paid
Property Tax Paid	Balance Due

182.01

Paid by Rec'd by Date: 2-26-07

2ND HALF-CLARK CO TREAS 517 COURT ST NEILLSVILLE 54456

PROPERTY TAX BILL PRINTED ON RECYCLED PAPER



PROJECT: 5340051  
 DATE: 05/05/2005  
 CREATED BY: TT  
 REVIEWED BY: MM  
 DATA SOURCE: CLARK COUNTY  
 TAX RECORDS  
 PHOTO SOURCE: CLARK COUNTY  
 YEAR: 1997

**FIGURE 2**  
**TAX PARCEL MAP WITH LAND USE AND**  
**GEOGRAPHIC POSTIONS (WTM 83/91)**  
**FORMER CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CLARK COUNTY, WI**

- Legend**
- Roads
  - Land Use
    - Unknown
    - General Residential
    - General Commercial
    - General Agricultural





PROJECT: 5340051  
 DATE: 05/05/2005  
 CREATED BY: TT  
 REVIEWED BY: MM  
 SOURCE: USGS  
 QUADRANGLE: LOYAL WEST  
 YEAR: 1979

**FIGURE 1**  
**SITE LOCATION MAP**  
**FORMER CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CLARK COUNTY, WISCONSIN**

**Legend**

 Site Location



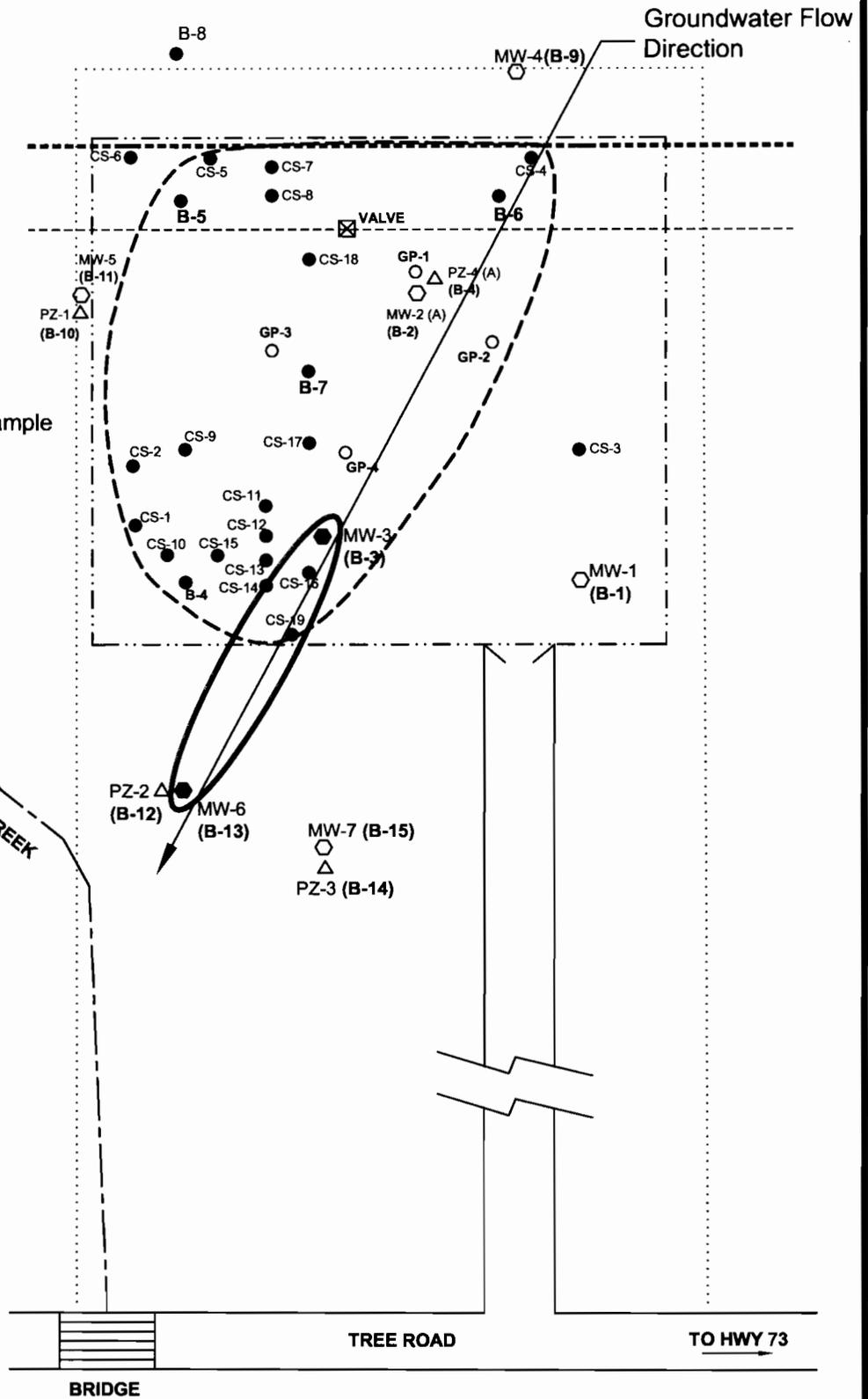
0 1,000 2,000 Feet

# LEGEND

- - - - - = Fence
- - - - - = 6-Inch Propane Line
- = 12-Inch Product Line
- ..... = Property Line
- △ = Piezometer
- = Monitoring Well
- (A) = Abandoned Well
- = Soil Boring
- = Soil Geoprobe
- = Confirmatory Soil (CS) Sample

○ = Area with one or more NR 720 and/or NR 746 residual soil clean-up standard exceedances (Data through 11/06)

○ = Area with one or more NR 140 groundwater enforcement standard exceedances (1/17/07 sampling event)



**FIGURE 6**  
 POST-REMEDIATION INFERRED EXTENTS OF  
 PETROLEUM-IMPACTED SOIL & GROUNDWATER  
 FORMER CHRISTIE PUMP STATION  
 KOCH PIPELINE COMPANY, LP  
 CHRISTIE, WISCONSIN

PROJECT #: 5340051  
 DATE: 04/11/07  
 DRAWN BY: ALT/MAM  
 REVIEWED BY: GMA  
 SCALE: 1" = 50'

FILE: S:\autocad\koch\christie\closure figs\Fig 6\_Post-Rem Inferred Extents.dwg

**Tt**  
**TETRA TECH, INC.**  
 Wausau, Wisconsin

**TABLE 2**  
**CHEMICAL ANALYSIS OF GROUNDWATER**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

SAMPLE LOCATION	MW-1									NR 140 PAL	NR 140 ES	
	DATE	7/29/2004	10/26/2004	12/14/2005								
<b>PARAMETER</b>												
Diesel Range Organics	--	--	--								NS	NS
Gasoline Range Organics	--	--	--								NS	NS
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS</b>												
Benzene	<0.14	0.16*	0.26*								0.5	5
Toluene	<0.36	<0.36	<0.36								200	1000
Ethylbenzene	<0.40	<0.40	<0.40								140	700
Xylenes	<0.74	<0.74	<1.1								1000	10,000
Methyl-tert-butyl-ether	<0.36	<0.36	<0.36								12	60
Trimethylbenzenes, total	<0.40	0.42*	0.58*								96	480
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>												
Naphthalene	2.7*	1.9*	2.3								8	40
Anthracene	0.019*	<0.019	<0.012								600	3000
Benzo(a)Pyrene	<0.018	<0.019	<0.018								0.02	0.2
Benzo(b)fluoranthene	<0.018	<0.020	<0.016								0.02	0.2
Chrysene	<0.016	<0.017	<0.019								0.02	0.2
Fluoranthene	<0.016	<0.017	<0.015								80	400
Fluorene	0.13	0.09	0.11								80	400
Pyrene	<0.016	<0.017	<0.015								50	250
<b>Total PAH List</b>	37.037	75.061	28.552								NS	NS

All concentrations in ppb (ug/l)

NS = No applicable standard

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 less than the laboratory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

-- = parameter not sampled

**190** = concentration > than NR 140 PAL

**360** = concentration > NR 140 ES

**TABLE 2 (continued)**  
**CHEMICAL ANALYSIS OF GROUNDWATER**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

SAMPLE LOCATION	MW-2									NR 140 PAL	NR 140 ES	
	DATE	3/12/1998	8/19/1998	11/25/1998	2/9/1999	5/27/1999	8/6/1999	11/24/1999	2/15/2000			12/14/2000
<b>PARAMETER</b>												
Diesel Range Organics	1900	**	**	**	**	230,000	**	**	**	X	NS	NS
Gasoline Range Organics	7500	**	**	**	**	810,000	**	**	**	X	NS	NS
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS</b>												
Benzene	1700	**	**	**	**	4,800	**	**	**	X	0.5	5
Toluene	650	**	**	**	**	3,400	**	**	**	X	200	1000
Ethylbenzene	470	**	**	**	**	1,800	**	**	**	X	140	700
Xylenes	1240	**	**	**	**	8,800	**	**	**	X	1000	10,000
Methyl-tert-butyl-ether	<8.5	**	**	**	**	<23	**	**	**	X	12	60
Trimethylbenzenes, total	630	**	**	**	**	16,800	**	**	**	X	96	480
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>												
Naphthalene	72	**	**	**	**	970	**	**	**	X	8	40
Anthracene	1.8	**	**	**	**	39	**	**	**	X	600	3000
Benzo(a)Pyrene	<0.019	**	**	**	**	<0.95	**	**	**	X	0.02	0.2
Benzo(b)fluoranthene	<0.037	**	**	**	**	<1.9	**	**	**	X	0.02	0.2
Chrysene	0.97	**	**	**	**	5.1	**	**	**	X	0.02	0.2
Fluoranthene	12	**	**	**	**	210	**	**	**	X	80	400
Fluorene	8.9	**	**	**	**	210	**	**	**	X	80	400
Pyrene	8.4	**	**	**	**	78	**	**	**	X	50	250
Total PAH List	259.87	**	**	**	**	5,197.1	**	**	**	X	NS	NS

All concentrations in ppb (ug/l)

NS = No applicable standard

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 less than the laboratory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

\*\* = Not sampled, free phase product present

**X = Monitoring well abandoned on 10/20/00**

**190** = concentration > than NR 140 PAL

**360** = concentration > NR 140 ES

**TABLE 2 (continued)**  
**CHEMICAL ANALYSIS OF GROUNDWATER**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

SAMPLE LOCATION	MW-3										NR 140 PAL	NR 140 ES	
	DATE	4/15/2004	7/29/2004	10/26/2004	12/14/2005	1/17/2007							
<b>PARAMETER</b>													
Diesel Range Organics	--	--	--	--	--							NS	NS
Gasoline Range Organics	--	--	--	--	--							NS	NS
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS</b>													
Benzene	<b>1700</b>	<b>1800</b>	<b>1400</b>	<b>1600</b>	<b>1100</b>							0.5	5
Toluene	18	11*	20	42	71							200	1000
Ethylbenzene	170	150	190	170	360							140	700
Xylenes	52	26.9*	43.2	210	372							1000	10,000
Methyl-tert-butyl-ether	<3.6	<3.6	<3.6	<3.6	4.5*							12	60
Trimethylbenzenes, total	43	31	36	136	304							96	480
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>													
Naphthalene	<b>240</b>	<b>11*</b>	<b>9.4</b>	<b>14</b>	<b>39</b>							8	40
Anthracene	<0.38	<0.88	<0.36	0.10	0.24							600	3000
Benzo(a)Pyrene	<0.26	<0.91	<0.37	<0.018	<0.018							0.02	0.2
Benzo(b)fluoranthene	<0.25	<0.89	<0.36	<0.016	<0.016							0.02	0.2
Chrysene	<0.26	<0.82	<0.33	<0.019	<0.019							0.02	0.2
Fluoranthene	<0.25	<0.82	<0.33	<0.015	<0.015							80	400
Fluorene	1.1	<1.1	0.56*	1.2*	2.5*							80	400
Pyrene	<0.32	<0.81	<0.33	0.018*	0.071							50	250
<b>Total PAH List</b>	249.91	14.7	14.31	26.008	82.541							NS	NS

All concentrations in ppb (ug/l)

NS = No applicable standard

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 less than the laboratory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

-- = parameter not sampled

**190** = concentration > than NR 140 PAL

**360** = concentration > NR 140 ES

**TABLE 2 (continued)**  
**CHEMICAL ANALYSIS OF GROUNDWATER**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

SAMPLE LOCATION	MW-4										NR 140 PAL	NR 140 ES	
	DATE	10/26/2004	12/14/2005	1/17/2007									
<b>PARAMETER</b>													
Diesel Range Organics	--	--	--									NS	NS
Gasoline Range Organics	--	--	--									NS	NS
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS</b>													
Benzene	<0.14	<0.14	<0.14									0.5	5
Toluene	<0.36	<0.36	<0.36									200	1000
Ethylbenzene	<0.40	<0.40	<0.40									140	700
Xylenes	<0.74	<0.74	<0.74									1000	10,000
Methyl-tert-butyl-ether	<0.36	<0.36	<0.36									12	60
Trimethylbenzenes, total	<0.40	<0.40	<0.40									96	480
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>													
Naphthalene	0.033*	0.022*	0.065									8	40
Anthracene	<0.018	<0.012	<0.012									600	3000
Benzo(a)Pyrene	<0.018	<0.018	<0.018									0.02	0.2
Benzo(b)fluoranthene	<0.018	<0.016	<0.019									0.02	0.2
Chrysene	<0.017	<0.019	<0.019									0.02	0.2
Fluoranthene	<0.017	<0.015	<0.015									80	400
Fluorene	<0.022	<0.0091	<0.0091									80	400
Pyrene	<0.017	<0.015	<0.015									50	250
<b>Total PAH List</b>	0.033*	0.022*	0.117									NS	NS

All concentrations in ppb (ug/l)

NS = No applicable standard

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 less than the laboratory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

-- = parameter not sampled

**190** = concentration > than NR 140 PAL

**360** = concentration > NR 140 ES

**TABLE 2 (continued)**  
**CHEMICAL ANALYSIS OF GROUNDWATER**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

SAMPLE LOCATION	MW-5								NR 140 PAL	NR 140 ES	
	DATE	7/29/2004	10/26/2004	12/14/2005	1/17/2007						
<b>PARAMETER</b>											
Diesel Range Organics	--	--	--	--						NS	NS
Gasoline Range Organics	--	--	--	--						NS	NS
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS</b>											
Benzene	0.79	0.42*	0.42*	<0.14						0.5	5
Toluene	<0.36	<0.36	<0.36	0.59*						200	1000
Ethylbenzene	<0.40	<0.40	<0.40	<0.40						140	700
Xylenes	<0.74	<0.74	<0.74	<0.74						1000	10,000
Methyl-tert-butyl-ether	<0.36	<0.36	<0.36	<0.36						12	60
Trimethylbenzenes, total	<0.40	<0.40	<0.40	<0.40						96	480
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>											
Naphthalene	<0.022	0.025*	0.021*	0.013*						8	40
Anthracene	<0.018	<0.018	<0.012	<0.012						600	3000
Benzo(a)Pyrene	<0.018	<0.018	<0.018	<0.018						0.02	0.2
Benzo(b)fluoranthene	<0.018	<0.018	<0.016	<0.016						0.02	0.2
Chrysene	<0.016	<0.017	<0.019	<0.019						0.02	0.2
Fluoranthene	0.029*	0.019*	0.018*	0.044*						80	400
Fluorene	0.026*	<0.022	0.013*	<0.0091						80	400
Pyrene	<0.016	<0.016	0.015*	0.032*						50	250
<b>Total PAH List</b>	0.055*	0.044*	0.129	0.104						NS	NS

All concentrations in ppb (ug/l)

NS = No applicable standard

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 less than the laboratory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

-- = sample not collected per abbreviated sampling schedule approved by the WDNR 9/99

**190** = concentration > than NR 140 PAL

**360** = concentration > NR 140 ES

**TABLE 2 (continued)**  
**CHEMICAL ANALYSIS OF GROUNDWATER**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

SAMPLE LOCATION	MW-6										NR 140 PAL	NR 140 ES	
	DATE	7/29/2004	10/26/2004	12/14/2005	1/17/2007								
<b>PARAMETER</b>													
Diesel Range Organics	--	--	--	--								NS	NS
Gasoline Range Organics	--	--	--	--								NS	NS
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS</b>													
Benzene	750	1000	77	8.3								0.5	5
Toluene	100	29	19	0.39*								200	1000
Ethylbenzene	54	61	7.5	0.63*								140	700
Xylenes	87	51.6	7.9	<0.74								1000	10,000
Methyl-tert-butyl-ether	<1.8	<3.6	<0.36	<0.36								12	60
Trimethylbenzenes, total	35.2	26.1	3.24	<0.40								96	480
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>													
Naphthalene	8.7	5.8	0.29	0.020*								8	40
Anthracene	<0.018	<0.018	<0.012	<0.012								600	3000
Benzo(a)Pyrene	<0.018	<0.018	<0.020	<0.019								0.02	0.2
Benzo(b)fluoranthene	<0.018	<0.018	<0.017	<0.020								0.02	0.2
Chrysene	<0.017	<0.017	<0.020	<0.019								0.02	0.2
Fluoranthene	<0.017	<0.017	<0.017	<0.016								80	400
Fluorene	0.086	0.075	0.070	0.013*								80	400
Pyrene	<0.017	<0.017	<0.016	<0.015								50	250
<b>Total PAH List</b>	11.645	6.802	0.556	0.065								NS	NS

All concentrations in ppb (ug/l)

NS = No applicable standard

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 less than the laboratory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

-- = parameter not sampled

**190** = concentration > than NR 140 PAL

**360** = concentration > NR 140 ES

**TABLE 2 (continued)**  
**CHEMICAL ANALYSIS OF GROUNDWATER**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

SAMPLE LOCATION	MW-7										NR 140 PAL	NR 140 ES	
	DATE	7/29/2004	10/25/2004	12/14/2005	1/17/2007								
<b>PARAMETER</b>													
Diesel Range Organics	--	--	--	--								NS	NS
Gasoline Range Organics	--	--	--	--								NS	NS
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS</b>													
Benzene	<0.14	<0.14	<0.14	<0.14								0.5	5
Toluene	<0.36	<0.36	<0.36	<0.36								200	1000
Ethylbenzene	<0.40	<0.40	<0.40	<0.40								140	700
Xylenes	<0.74	<0.74	<0.74	<0.74								1000	10,000
Methyl-tert-butyl-ether	<0.36	<0.36	<0.36	<0.36								12	60
Trimethylbenzenes, total	<0.40	<0.40	<0.40	<0.40								96	480
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>													
Naphthalene	<0.023	0.025*	0.032*	<0.012								8	40
Anthracene	<0.018	<0.018	<0.012	<0.012								600	3000
Benzo(a)Pyrene	<0.018	<0.018	<0.019	<0.018								0.02	0.2
Benzo(b)fluoranthene	<0.018	<0.018	<0.016	<0.016								0.02	0.2
Chrysene	<0.017	<0.016	<0.020	<0.019								0.02	0.2
Fluoranthene	<0.017	<0.016	<0.016	<0.015								80	400
Fluorene	<0.022	<0.022	<0.0095	<0.0091								80	400
Pyrene	<0.017	<0.016	<0.015	<0.015								50	250
Total PAH List	<0.023	0.025*	0.047	<0.019								NS	NS

All concentrations in ppb (ug/l)

NS = No applicable standard

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 less than the laboratory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

-- = parameter not sampled

**190** = concentration > than NR 140 PAL

**360** = concentration > NR 140 ES

**TABLE 2 (continued)**  
**CHEMICAL ANALYSIS OF GROUNDWATER**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

SAMPLE LOCATION	MW-8									NR 140 PAL	NR 140 ES	
	DATE	7/29/2004	10/26/2004	12/14/2005	1/17/2007							
<b>PARAMETER</b>												
Diesel Range Organics	--	--	--	--							NS	NS
Gasoline Range Organics	--	--	--	--							NS	NS
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS</b>												
Benzene	<0.14	<0.14	<0.14	<0.14							0.5	5
Toluene	<0.36	<0.36	<0.36	<0.36							200	1000
Ethylbenzene	<0.40	<0.40	<0.40	<0.40							140	700
Xylenes	<0.74	<0.74	<0.74	<0.74							1000	10,000
Methyl-tert-butyl-ether	<0.36	<0.36	<0.36	<0.36							12	60
Trimethylbenzenes, total	<0.40	<0.40	<0.40	<0.40							96	480
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>												
Naphthalene	<0.023	0.025*	0.014*	0.014*							8	40
Anthracene	<0.018	<0.018	<0.012	<0.012							600	3000
Benzo(a)Pyrene	<0.018	<0.018	<0.019	<0.018							0.02	0.2
Benzo(b)fluoranthene	<0.018	<0.018	<0.016	<0.016							0.02	0.2
Chrysene	<0.017	<0.017	<0.020	<0.019							0.02	0.2
Fluoranthene	<0.017	<0.017	<0.016	<0.015							80	400
Fluorene	<0.022	<0.022	<0.0095	<0.0091							80	400
Pyrene	<0.017	<0.017	<0.015	<0.015							50	250
Total PAH List	<0.023	0.025*	0.014	0.014							NS	NS

All concentrations in ppb (ug/l)

NS = No applicable standard

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 less than the laboratory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

-- = parameter not sampled

**TABLE 2 (continued)**  
**CHEMICAL ANALYSIS OF GROUNDWATER**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

SAMPLE LOCATION	PZ-1										NR 140 PAL	NR 140 ES
	DATE	10/26/2004	12/14/2005	1/17/2007								
<b>PARAMETER</b>												
Diesel Range Organics	--	--	--								NS	NS
Gasoline Range Organics	--	--	--								NS	NS
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS</b>												
Benzene	<0.14	<0.14	<0.14								0.5	5
Toluene	<0.36	<0.36	<0.36								200	1000
Ethylbenzene	<0.40	<0.40	<0.40								140	700
Xylenes	<0.74	<0.74	<0.74								1000	10,000
Methyl-tert-butyl-ether	<0.36	<0.36	<0.36								12	60
Trimethylbenzenes, total	<0.40	<0.40	<0.40								96	480
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>												
Naphthalene	0.023*	<0.012	0.017*								8	40
Anthracene	<0.018	<0.012	<0.012								600	3000
Benzo(a)Pyrene	<0.018	<0.018	<0.018								0.02	0.2
Benzo(b)fluoranthene	<0.018	<0.016	<0.016								0.02	0.2
Chrysene	<0.017	<0.019	<0.019								0.02	0.2
Fluoranthene	<0.017	<0.015	<0.015								80	400
Fluorene	<0.022	<0.0091	<0.0091								80	400
Pyrene	<0.016	<0.015	<0.015								50	250
Total PAH List	0.023*	0.022	0.054								NS	NS

All concentrations in ppb (ug/l)

NS = No applicable standard

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 less than the laboratory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

-- = parameter not sampled

**190** = concentration > than NR 140 PAL

**360** = concentration > NR 140 ES

**TABLE 2 (continued)**  
**CHEMICAL ANALYSIS OF GROUNDWATER**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

SAMPLE LOCATION	PZ-2									NR 140 PAL	NR 140 ES	
	DATE	10/26/2004	12/14/2005	1/17/2007								
<b>PARAMETER</b>												
Diesel Range Organics	--	--	--								NS	NS
Gasoline Range Organics	--	--	--								NS	NS
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS</b>												
Benzene	<0.14	<0.14	<0.14								0.5	5
Toluene	<0.36	<0.36	<0.36								200	1000
Ethylbenzene	<0.40	<0.40	<0.40								140	700
Xylenes	<0.74	<0.74	<0.74								1000	10,000
Methyl-tert-butyl-ether	<0.36	<0.36	<0.36								12	60
Trimethylbenzenes, total	<0.40	<0.40	<0.40								96	480
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>												
Naphthalene	0.034*	0.023*	0.024*								8	40
Anthracene	<0.018	<0.013	<0.012								600	3000
Benzo(a)Pyrene	<0.018	<0.020	<0.018								0.02	0.2
Benzo(b)fluoranthene	<0.018	<0.017	<0.016								0.02	0.2
Chrysene	<0.017	<0.021	<0.019								0.02	0.2
Fluoranthene	<0.017	<0.017	<0.015								80	400
Fluorene	<0.022	<0.0099	<0.0091								80	400
Pyrene	<0.016	<0.016	<0.015								50	250
Total PAH List	0.034*	0.051	0.051								NS	NS

All concentrations in ppb (ug/l)

NS = No applicable standard

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 less than the laboratory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

-- = parameter not sampled

**190** = concentration > than NR 140 PAL

**360** = concentration > NR 140 ES

**TABLE 2 (continued)**  
**CHEMICAL ANALYSIS OF GROUNDWATER**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

SAMPLE LOCATION	PZ-3									NR 140 PAL	NR 140 ES	
	DATE	10/26/2004	12/14/2005	1/17/2007								
<b>PARAMETER</b>												
Diesel Range Organics	--	--	--								NS	NS
Gasoline Range Organics	--	--	--								NS	NS
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS</b>												
Benzene	<0.14	<0.14	<0.14								0.5	5
Toluene	<0.36	<0.36	<0.36								200	1000
Ethylbenzene	<0.40	<0.40	<0.40								140	700
Xylenes	<0.74	<0.74	<0.74								1000	10,000
Methyl-tert-butyl-ether	<0.36	<0.36	<0.36								12	60
Trimethylbenzenes, total	<0.40	<0.40	<0.40								96	480
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>												
Naphthalene	0.040*	0.032*	0.023*								8	40
Anthracene	<0.018	<0.013	<0.012								600	3000
Benzo(a)Pyrene	<0.018	<0.020	<0.018								0.02	0.2
Benzo(b)fluoranthene	<0.018	<0.017	<0.016								0.02	0.2
Chrysene	<0.017	<0.021	<0.019								0.02	0.2
Fluoranthene	<0.017	<0.017	<0.015								80	400
Fluorene	<0.022	<0.0098	0.010*								80	400
Pyrene	<0.016	<0.016	<0.015								50	250
Total PAH List	0.040*	0.089	0.128								NS	NS

All concentrations in ppb (ug/l)

NS = No applicable standard

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 less than the laboratory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

-- = parameter not sampled

**190**

= concentration > than NR 140 PAL

**360**

= concentration > NR 140 ES

**TABLE 2 (continued)**  
**CHEMICAL ANALYSIS OF GROUNDWATER**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

SAMPLE LOCATION	PZ-4								NR 140 PAL	NR 140 ES
	DATE	8/19/1998	11/25/1998	2/9/1999	5/13/1999	8/6/1999	11/24/1999	2/15/2000		
<b>PARAMETER</b>										
Diesel Range Organics	80	140	860	<27	140	---	---	X	NS	NS
Gasoline Range Organics	100	<18	89	<18	<8.6	---	---	X	NS	NS
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS</b>										
Benzene	2.4	<0.10	<0.10	<0.10	<0.18	---	---	X	0.5	5
Toluene	4.5	<0.17	<0.17	<0.17	<0.18	---	---	X	200	1000
Ethylbenzene	2.6	<0.12	<0.12	<0.12	<0.18	---	---	X	140	700
Xylenes	10	<0.16	<0.16	<0.16	<0.51	---	---	X	1000	10,000
Methyl-tert-butyl-ether	<0.17	<0.17	<0.17	<0.17	<0.23	---	---	X	12	60
Trimethylbenzenes, total	4.7	<0.15	2.98	<0.15	<0.18	---	---	X	96	480
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>										
Naphthalene	<0.39	<0.39	<0.39	<0.40	<0.3	---	---	X	8	40
Anthracene	<0.014	<0.014	0.16	<0.014	<0.047	---	---	X	600	3000
Benzo(a)Pyrene	<0.019	<0.019	<0.019	<0.019	<0.035	---	---	X	0.02	0.2
Benzo(b)fluoranthene	<0.037	<0.037	0.12	<0.038	<0.12	---	---	X	0.02	0.2
Chrysene	<0.027	<0.027	0.074*	<0.028	<0.024	---	---	X	0.02	0.2
Fluoranthene	0.13*	<0.044	0.53	<0.045	0.099*	---	---	X	80	400
Fluorene	0.15	<0.028	0.38	<0.029	<0.046	---	---	X	80	400
Pyrene	0.22	0.85	0.89	<0.038	0.13	---	---	X	50	250
Total PAH List	5.27	<0.46	10.214	0.055*	0.28	---	---	X	NS	NS

All concentrations in ppb (ug/l)

NS = No applicable standard

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 less than the laboratory limit of quantitation, but reported per WDNR guidelines dated 3/1/96

--- = sample not collected per abbreviated sampling schedule approved by the WDNR 9/99

X = Piezometer abandoned on 10/20/00

**190** = concentration > than NR 140 PAL

**360** = concentration > NR 140 ES

**TABLE 1**  
**CHEMICAL ANALYSIS OF SOIL PROBES**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

BORING	NR 720 SOIL CLEANUP STANDARDS	GP-1	GP-2	GP-3	GP-4
DEPTH (feet bls)		4.0-6.0	4.0-6.0	4.0-6.0	4.0-6.0
DATE SAMPLED		12/8/1997			
PARAMETER (mg/kg)					
DRO	100*	470	3.3	6,300	4.3
GRO	100*	380	8.4	510	7.1
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)</b>					
Benzene	0.0055	2.5	0.13	1.4	0.43
Toluene	1.5	4	0.12	11	0.035
Ethylbenzene	2.9	5.6	0.098	5.1	0.26
Total Xylenes	4.1	30	0.54	35	1.3
1,3,5 Trimethylbenzene	---	7.3	0.053	6.2	0.12
1,2,4 Trimethylbenzene	---	19	0.21	19	0.48
MTBE	---	<0.008	<0.008	<0.16	<0.008

bls = below land surface

mg/kg = milligrams per kilogram (parts-per-million)

\* standard corresponds to permeable soils  
(hydraulic conductivity > 10 E-6 cm/s)

--- = No soil standard currently applicable

**5.1** = concentration > NR 720 RCL

**TABLE 1 (continued)**  
**CHEMICAL ANALYSIS OF SOIL**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

BORING	NR 720 GENERIC SOIL CLEANUP STANDARDS	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-12	B-14	B-17
		(MW-1)	(MW-2)	(MW-3)							(MW-4)	(PZ-1)	(PZ-2)	(PZ-3)
DEPTH (feet bls)		6.0-8.0	6.0-8.0	6.0-8.0	4.0-6.0	4.0-6.0	4.0-6.0	4.0-6.0	6.0-8.0	4.0-6.0	4.0-6.0	4.0-6.0	4.0-6.0	4.0-6.0
DATE SAMPLED		3/10/1998							8/12/1998			8/13/1998	11/11/1998	
<b>PARAMETER (mg/kg)</b>														
DRO	100*	<1.1	390	230	1,100	450	360	87	5.8	5	5.2	6.8	4.3	<1.1
GRO	100*	<1.0	230	210	360	600	660	43	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)</b>														
Benzene	0.0055	<0.005	4	1.6	5.1	<0.005	7.8	0.94	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	1.5	<0.005	5	0.92	1.5	1.9	3.4	0.1	0.014	0.024	0.02	0.012	<0.005	<0.005
Ethylbenzene	2.9	<0.006	3.6	3.7	6.2	7.8	13	0.57	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Total Xylenes	4.1	<0.008	15	2.6	15	11	24	0.73	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
1,3,5 Trimethylbenzene	---	<0.005	2.5	1.5	4.9	6	10	0.41	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4 Trimethylbenzene	---	<0.006	8	2.4	14	16	26	1	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
MTBE	---	<0.008	<0.024	<0.008	<0.024	<0.008	<0.08	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
<b>POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)</b>														
Naphthalene	---	<0.020	1.2	0.340	2.8	2.4	7.9	1.1	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
TOTAL 8310 LIST	---	<0.035	8.066	0.8327	24.01	15.265	40.684	8.3	<0.035	0.01	<0.035	<0.035	0.0036	<0.035

bls = below land surface

All values are in milligrams per kilogram (mg/kg) which = parts-per-million (ppm)

\* standard corresponds to permeable soils  
(hydraulic conductivity > 10 E-6 cm/s)

--- = No applicable soil standard

**660** = concentration > NR 720 and site specific standards



**TABLE 1 (continued)**  
**CHEMICAL ANALYSIS OF SOIL LEACHATE (SPLP)**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

BORING	NR 140 PAL*	NR 140 ES*	B-2 (MW-2)	B-3 (MW-3)	B-4	B-5	B-6	B-7
DEPTH (feet bls)			6.0-8.0	6.0-8.0	4.0-6.0	4.0-6.0	4.0-6.0	4.0-6.0
DATE SAMPLED	3/10/1998							
PARAMETER (ug/L)								
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)</b>								
Benzene	0.5	5	37	<2.5	<2.5	5.64	194	<2.5
Toluene	68.6	343	137	<5.0	5.3	<5.0	155	<5.0
Ethylbenzene	140	700	135	7.65	101	145	357	69.1
Total Xylenes	124	620	600	5.91	235.2	165.71	1,157	179.7
MTBE	12	60	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3,5 Trimethylbenzene	---	---	82.4	6.59	89.5	91.7	166	62.8
1,2,4 Trimethylbenzene	---	---	307	15.7	308	253	614	227
<b>POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)</b>								
Acenaphthene	---	---	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Acenaphthylene	---	---	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
Anthracene	---	---	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(a)Anthracene	---	---	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Benzo(a)Pyrene	0.02	0.2	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Benzo(b)Fluoranthene	---	0.2**	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(k)Fluoranthene	---	0.2**	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(ghi)Perylene	---	---	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	---	0.2**	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Dibenzo(ah)Anthracene	---	---	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Fluoranthene	---	---	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Fluorene	---	---	3.94	<0.04	5.68	7.97	4.83	5.37
Indeno(1,2,3-cd)Pyrene	---	0.4**	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1-Methyl Naphthalene	---	---	40.9	1.71	97.5	116	66.8	51.3
2-Methyl Naphthalene	---	---	64.8	2.26	154	184	119	77.2
Naphthalene	8	40	40.7	2.2	120	142	114	37.5
Phenanthrene	---	---	5.03	0.724	6.5	10	<0.08	7.89
Pyrene	---	---	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

bls = below land surface

ug/L = micrograms per liter (parts-per-billion)

**660**

= concentration > NR 140 Enforcement Standard

**230**

= concentration > NR 140 Preventative Action Limit

--- = No WDNR ES or PAL currently applicable

\* NR 140 parameter limits have since been revised. The limits listed were applicable at the time of sample collection.

\*\* USEPA Maximum Contaminant Level. No WDNR ES or PAL currently applicable



**TABLE 1 (continued)**  
**SOIL CHEMISTRY - EXCAVATION SUPPORT**  
**CHRITIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

BORING	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	Rolloff Box #1	CS-1	CS-2	CS-3	CS-4
DEPTH (feet bls)				NA	3	3	3	4
MATRIX TYPE	SOIL (mg/kg)							
DATE SAMPLED	8/10/2006		8/24/2006		9/28/2006			
<b>PARAMETER (mg/kg)</b>								
DRO	<i>100</i> <sup>1</sup>	<b>280</b>	---	<b>760</b>	<b>230</b>	<b>840</b>	5.5	43
	250 <sup>2</sup>		---					
GRO	<i>100</i> <sup>1</sup>	<b>260</b>	---	<b>770</b>	<b>480</b>	<b>1300</b>	48	<b>170</b>
	250 <sup>2</sup>		---					
Lead (Total)	<i>500</i>	---	---	12	--	--	--	--
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)</b>								
Benzene	<i>0.0055</i>	<b>1.5</b>	<b>8.5</b>	<.29	<i>0.26</i>	<b>2.3</b>	<0.025	<0.12
Toluene	<i>1.5</i>	---	<b>38</b>	3.4	<i>3.5</i>	22	<0.025	<0.12
Ethylbenzene	<i>2.9</i>	---	<b>4.6</b>	<b>23</b>	<b>9.7</b>	<b>25</b>	0.4	1.4
Total Xylenes	<i>4.1</i>	---	<b>42</b>	<b>112</b>	33	<b>117</b>	0.58	5.3
1,3,5 Trimethylbenzene	---	---	<b>11</b>	<b>27</b>	10	<b>25</b>	1	3.6
1,2,4 Trimethylbenzene	---	---	<b>83</b>	<b>88</b>	31	80	1.6	9.5
MTBE	---	---	---	<0.29	<120	<250	<0.025	<.12
<b>POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)</b>								
Naphthalene	---	<b>1.6</b>	<b>2.7</b>	2.4	2.7	<b>5.2</b>	0.068	1.9
<b>TOXIC CHARACTERISTIC LEACHING PROCEDURE (TCLP) (40 CFR ch. 261.24)</b>								
Benzene	<b>0.5 mg/L</b>			<0.0050 mg/L	--	--	--	--
Lead	<b>5.0 mg/L</b>			<1.0 mg/L	--	--	--	--

bls = below land surface

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

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

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

-- = Parameter not analyzed

--- = 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

*Italics* = concentrations in exceedance of NR 720 standards ONLY.



**TABLE 1 (continued)**  
**SOIL CHEMISTRY - EXCAVATION SUPPORT**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

BORING	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	CS-5	CS-6	CS-7	CS-8	CS-9
DEPTH (feet bls)				6	6	5	5	4
MATRIX TYPE				SOIL (mg/kg)				
DATE SAMPLED				10/5/2006	10/9/2006	10/18/2006		
<b>PARAMETER (mg/kg)</b>								
DRO	<i>100<sup>1</sup></i> <i>250<sup>2</sup></i>	<b>280</b>	---	<b>230</b>	<4.3	<b>740</b>	<b>1100</b>	<b>1600</b>
GRO	<i>100<sup>1</sup></i> <i>250<sup>2</sup></i>	<b>260</b>	---	<b>140</b>	<3.0	<b>430</b>	<b>1100</b>	<b>520</b>
<b>PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)</b>								
Benzene	<i>0.0055</i>	<b>1.5</b>	<b>8.5</b>	<0.1	<0.025	<i>0.97</i>	<b>5.7</b>	<0.25
Toluene	<i>1.5</i>	---	<b>38</b>	<0.1	<0.025	<i>4</i>	<b>30</b>	<i>0.8</i>
Ethylbenzene	<i>2.9</i>	---	<b>4.6</b>	<i>1.7</i>	<0.025	<b>8.7</b>	<b>23</b>	<b>7.5</b>
Total Xylenes	<i>4.1</i>	---	<b>42</b>	<i>2.27</i>	<0.075	<i>34</i>	<b>99</b>	<i>23.2</i>
1,3,5 Trimethylbenzene	---	---	<b>11</b>	<i>2.8</i>	<0.025	<i>8.9</i>	<b>19</b>	<b>12</b>
1,2,4 Trimethylbenzene	---	---	<b>83</b>	<i>4.5</i>	<0.025	<i>28</i>	<b>60</b>	<b>32</b>
MTBE	---	---	---	<0.1	<0.025	<0.25	<0.5	<0.25
<b>POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)</b>								
Naphthalene	---	<b>1.6</b>	<b>2.7</b>	<i>0.2</i>	<i>0.024</i>	<i>0.69</i>	<b>4.7</b>	<i>1.6</i>

bls = below land surface

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

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

<sup>2</sup> 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

*Italics* = concentrations in exceedance of NR 720 standards ONLY.



**TABLE 1 (continued)**  
**SOIL CHEMISTRY - EXCAVATION SUPPORT**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

BORING	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	CS-10	CS-11	CS-12	CS-13	CS-14
DEPTH (feet bls)				4	5	5	5	5
MATRIX	SOIL (mg/kg)							
DATE SAMPLED				10/18/2006	10/23/2006			
PARAMETER (mg/kg)								
DRO	100 <sup>1</sup>	<b>280</b>	---	<b>650</b>	<b>220</b>	<5.2	<4.6	13
	250 <sup>2</sup>		---					
GRO	100 <sup>1</sup>	<b>260</b>	---	<b>110</b>	<b>230</b>	10	9.5	37
	250 <sup>2</sup>		---					
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)								
Benzene	<i>0.0055</i>	<b>1.5</b>	<b>8.5</b>	<b>0.08</b>	<0.12	<b>2.2</b>	0.34	0.36
Toluene	1.5	---	<b>38</b>	0.13	<0.12	0.088	<0.25	<0.025
Ethylbenzene	2.9	---	<b>4.6</b>	1.6	0.43	1.1	0.36	0.52
Total Xylenes	4.1	---	<b>42</b>	3.7	3.3	2.1	<0.335	0.53
1,3,5 Trimethylbenzene	---	---	<b>11</b>	2	8.6	0.072	0.17	0.54
1,2,4 Trimethylbenzene	---	---	<b>83</b>	4.9	17	0.2	0.072	0.43
MTBE	---	---	---	<0.05	<0.12	<0.025	<0.025	<0.025
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)								
Naphthalene	---	<b>1.6</b>	<b>2.7</b>	0.59	0.36	0.37	0.063	0.1

bls = below land surface

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

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

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

--- = No soil standard currently applicable

\* = Value is less than the laboratory 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

*Italics* = concentrations in exceedance of NR 720 standards ONLY.



**TABLE 1 (continued)**  
**SOIL CHEMISTRY - EXCAVATION SUPPORT**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

BORING	NR 720 GENERIC SOIL CLEANUP STANDARDS (mg/kg)	SITE SPECIFIC SOIL CLEANUP STANDARDS (mg/kg)	NR 746 RISK SCREENING STANDARDS (mg/kg)	CS-15	CS-16	CS-17	CS-18	CS-19
DEPTH (feet bls)				2	5	5	5	4
MATRIX	SOIL (mg/kg)							
DATE SAMPLED	10/31/2006						11/6/2006	
PARAMETER (mg/kg)								
DRO	<i>100</i> <sup>1</sup>	<b>280</b>	---	<4.6	<b>230</b>	<b>2300</b>	<b>330</b>	<b>190</b>
	<i>250</i> <sup>2</sup>		---					
GRO	<i>100</i> <sup>1</sup>	<b>260</b>	---	<3.0	<b>340</b>	<b>2100</b>	<b>390</b>	<b>130</b>
	<i>250</i> <sup>2</sup>		---					
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC)								
Benzene	<i>0.0055</i>	<b>1.5</b>	<b>8.5</b>	<0.025	<b>2.3</b>	<1.0	<i>0.59</i>	<0.062
Toluene	<i>1.5</i>	---	<b>38</b>	<0.025	<b>3.5</b>	<b>40</b>	<i>1.2</i>	<0.062
Ethylbenzene	<i>2.9</i>	---	<b>4.6</b>	<0.025	<b>8.3</b>	<b>29</b>	<b>7.5</b>	<i>1.0</i>
Total Xylenes	<i>4.1</i>	---	<b>42</b>	<0.075	<b>38</b>	<b>240</b>	<b>14.5</b>	<i>1.12</i>
1,3,5 Trimethylbenzene	---	---	<b>11</b>	<0.025	<i>5.7</i>	<b>41</b>	<i>6.9</i>	<i>2.5</i>
1,2,4 Trimethylbenzene	---	---	<b>83</b>	<0.025	<i>18</i>	<b>130</b>	<i>17</i>	<i>1.7</i>
MTBE	---	---	---	<0.025	<i>0.17</i>	<i>1.0</i>	<i>0.19</i>	<0.062
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)								
Naphthalene	---	<b>1.6</b>	<b>2.7</b>	<i>0.010</i>	<i>1.0</i>	<b>6.8</b>	<i>1.2</i>	<i>0.47</i>

bls = below land surface

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

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

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

--- = No soil standard currently applicable

\* = Value is less than the laboratory 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

*Italics* = concentrations in exceedance of NR 720 standards ONLY.

**TABLE 3  
GROUNDWATER TABLE ELEVATIONS  
CHRISTIE PUMP STATION  
KOCH PIPELINE COMPANY, LP  
CHRISTIE, WISCONSIN  
TETRA TECH #5340051**

LOCATION	GROUNDWATER ELEVATION												REFERENCE ELEVATION (top of casing)	REFERENCE ELEVATION (top of screen)	WELL DEPTH (feet bls)
	6/4/02	8/17/02	2/3/03	4/24/03	7/17/03	10/9/03	2/5/04	4/15/04	7/29/04	10/26/04	12/14/05	1/17/07			
MW-1	1098.36	-	1096.60	1098.06	1096.21	1095.27	1095.23	1096.42	1095.30	1095.06	1095.42	-	1102.72	1097.20	13.0
MW-2	X	X	X	X	X	X	X	X	X	X	X	X	1102.59	X	13.0
MW-3	1098.07	1096.75	1096.26	1097.68	1095.84	1094.97	1094.87	1095.95	1094.92	1094.70	1095.01	1095.79	1102.09	1096.80	12.0
MW-4	1098.95	-	1097.08	1098.64	1096.69	1095.73	1095.64	1096.88	1095.83	1095.45	1095.82	1095.95	1102.93	1097.50	13.0
MW-5	1098.34	1096.99	1096.46	1098.04	1096.14	1095.17	1095.07	1096.58	1095.21	1095.03	1095.54	1095.68	1101.02	1095.80	14.0
MW-6	1097.72	1096.41	1096.11	1097.37	1095.68	1094.96	1094.80	1095.89	1094.89	1094.66	1095.05	1095.19	1101.46	1095.90	13.0
MW-7	1097.94	1096.60	1096.30	1097.63	1095.90	1095.02	1095.01	1096.13	1095.06	1094.65	1095.25	1095.41	1101.40	1095.90	13.0
MW-8	1097.05	1095.80	1095.40	1096.49	1094.89	1094.14	1094.18	1095.08	1094.12	1093.96	1094.30	1094.70	1099.84	1094.00	13.0
PZ-1	1098.34	-	-	1097.97	-	1095.27	1095.20	1096.29	1095.35	1094.84	1095.39	1095.84	1101.50	1074.30	30.0
PZ-2	1096.96	-	-	1096.58	-	1094.17	1094.18	1094.99	1094.21	1093.83	1094.14	1094.77	1101.45	1075.80	28.0
PZ-3	1097.61	-	-	1097.34	-	1094.77	1094.90	1095.74	1094.76	1094.25	1094.91	1094.98	1101.40	1075.50	30.0
PZ-4	X	X	X	X	X	X	X	X	X	X	X	X	1102.61	X	30.0

Elevations are expressed in feet above Mean Sea Level

bls = below land surface

Monitoring well locations are depicted in Figures 2 and 3

- = data not collected

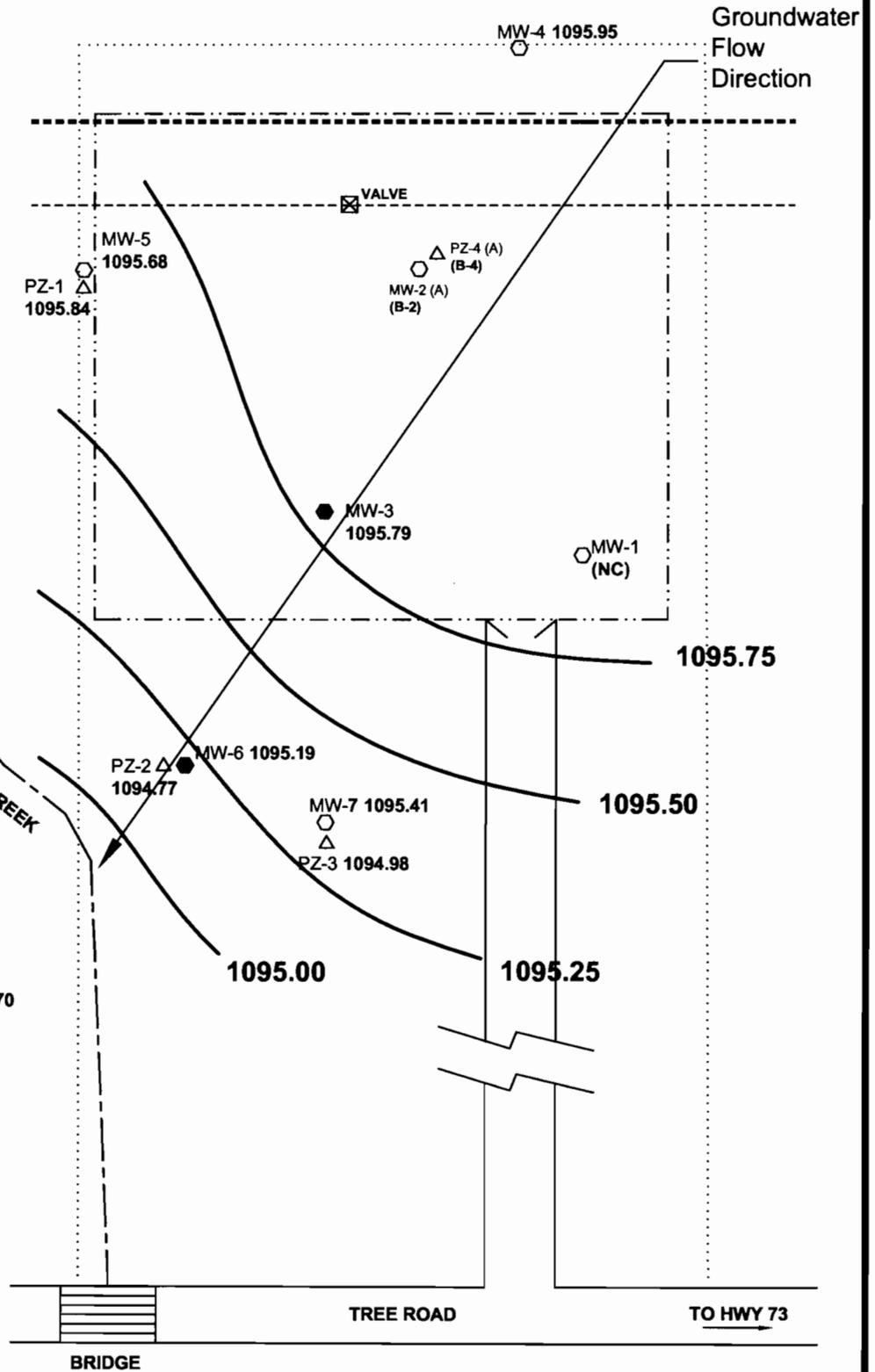
X = monitoring well and/or piezometer abandoned

# LEGEND

- - - - - = Fence
- - - - - = 6-Inch Propane Line
- = 12-Inch Product Line
- ..... = Property Line
- △ = Piezometer
- = Monitoring Well
- (A) = Abandoned Well
- (NC) = Not Contoured (well frozen)

- = One or more groundwater parameters > NR 140 ES (1/17/07)

- = One or more groundwater parameters < NR 140 ES but > NR 140 PAL (1/17/07 - none other than MW-3 & MW-6)



**TETRA TECH, INC.**  
Wausau, Wisconsin

**FIGURE 5**  
GROUNDWATER TABLE ELEVATION  
CONTOUR MAP (1/17/07)  
FORMER CHRISTIE PUMP STATION  
KOCH PIPELINE COMPANY, LP  
CHRISTIE, WISCONSIN

PROJECT #: 5340051  
DATE: 04/11/07  
DRAWN BY: ALT/MAM  
REVIEWED BY: GMA  
SCALE: 1" = 50'

FILE: S:\autocad\koch\christie\closure figs\Fig 5\_GW Contour.dwg

**TABLE 4**  
**MW-2 PRODUCT THICKNESS MEASUREMENTS**  
**CHRISTIE PUMP STATION**  
**KOCH PIPELINE COMPANY, LP**  
**CHRISTIE, WISCONSIN**  
**TETRA TECH #5340051**

**MW-2 PRODUCT THICKNESS (Feet)**

8/12/1998	8/19/1998	11/25/1998	12/21/1998	1/11/1999	1/29/1999	2/9/1999	2/25/1999	3/11/1999	3/24/1999	4/9/1999	4/26/1999	5/13/1999	5/27/1999	6/8/1999	6/23/1999	7/9/1999	7/22/1999	8/6/1999	8/20/1999	8/31/1999
0.63	0.54	0.37	0.34	0.14	0.28	0.21	0.40	0.39	0.37	1.16	0.34	1.31	0.82	0.19	0.02	0.05	0.08	0.23	0.15	0.23

8/31/1999	9/15/1999	10/1/1999	10/20/1999	11/24/1999	12/14/1999	12/30/1999	1/18/2000	2/4/2000	2/15/2000	3/3/2000	3/30/2000	4/3/2000	4/20/2000	5/9/2000	5/25/2000	6/21/2000	7/26/2000	9/6/2000	10/11/2000	10/20/2000
0.23	0.38	0.30	0.15	0.06	0.08	0.24	0.02	0.20	0.03	0.00	0.02	0.00	0.04	0.18	0.11	0.18	0.35	0.00	0.29	0.05*

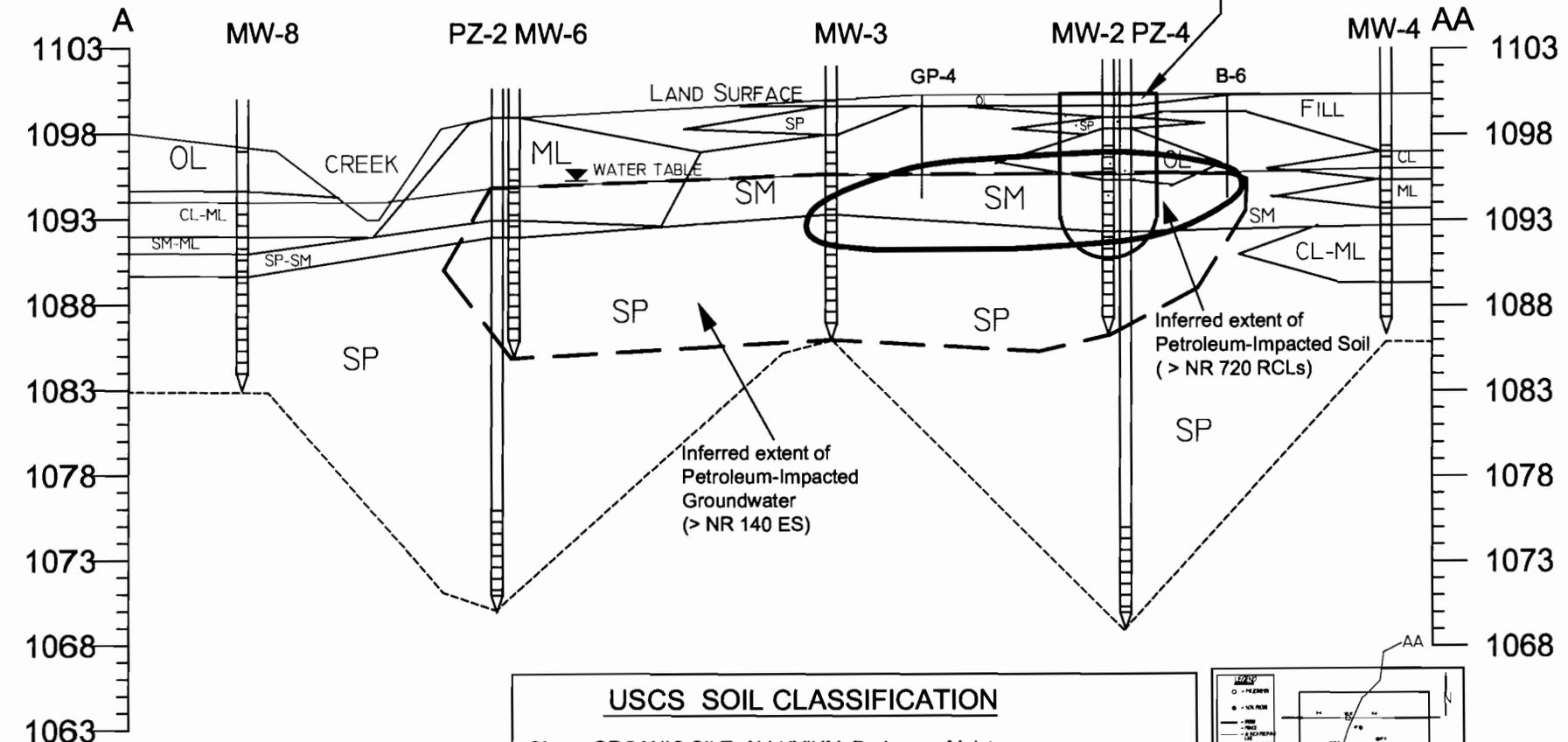
Product discovered 8/12/98

NOTE: Pumped approximately 160 gallons of water/product mix from MW-2 on 4/28/99

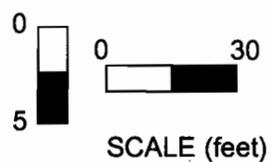
\* = MW-2 abandoned during soil excavation activities conducted on 10/20/2000

# GEOLOGIC CROSS SECTION A - AA

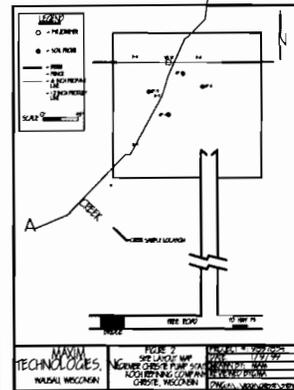
Soil Removal Area -10/20/00 (MW-2/PZ-4 abandoned)



ELEVATION



USCS SOIL CLASSIFICATION	
OL:	ORGANIC SILT, ALLUVIUM, Dark gray, Moist
SM:	SILTY SAND, ALLUVIUM, Gray and Light Brown, Moist
SP:	SAND, WEATHERED BEDROCK, Medium to Fine Grained, with silt, yellowish-brown, Water-bearing
SM-SP:	SAND, ALLUVIUM, with Silt, Medium to Fine Grained, Layered Dark Brown and Gray, Moist
CL:	LEAN CLAY, ALLUVIUM, Gray, moist
ML:	SILT, ALLUVIUM, Mottled gray and grayish brown, wet



TETRA TECH, INC.  
Wausau, Wisconsin

**FIGURE 4**  
GEOLOGIC CROSS-SECTION DIAGRAM  
FORMER CHRISTIE PUMP STATION  
KOCH PIPELINE COMPANY, LP  
CHRISTIE, WISCONSIN

PROJECT # : 5340051
DATE: 04/05/01
DRAWN BY: MAM
REVIEWED BY: GMA
SCALE: SEE ABOVE Fig 4_x-section.dwg

**“I believe that the attached legal description of the Christie, WI pump station property, owned by Flint Hills Resources, LP and operated by Koch Pipeline Company, LP, 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 groundwater in excess of ch. NR 140 enforcement standards at the current time.”**

Signed: 

Dated: June 8, 2007

**Nicolle Nyzio**

**Environmental Specialist**

**Koch Pipeline Company, LP – Northern Division**

**(Operator for Flint Hills Resources, LP)**

**P.O. Box 64596**

**St. Paul, MN 55164-0596**