

GROUNDWATER MONITORING REPORT

KONOP PROPERTY SITE 110 BUSINESS HIGHWAY 141 N COLEMAN, WISCONSIN

> Tetra Tech #114-330854 WDNR BRRTS #03-38-548949 WDCOM #54112-9792-10 January 20, 2011

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1837 County Highway OO Chippewa Falls, WI 54729-6519

> Office 715.832.0282 Fax 715.832.0541

January 20, 2011

Kristin DuFresne WDNR 2984 Shawano Avenue Green Bay, WI 54313-6727

 Re: Groundwater Monitoring Report for the Konop Property Site, 110 Business Highway 141 N, Coleman, Marinette County, Wisconsin.
 WDNR BRRTS #03-38-548949. WDCOM #54112-9792-10. Tetra Tech Project #114-330854.

Dear Ms. DuFresne:

This report documents three rounds of groundwater sampling at the Konop Property site, 110 Business Highway 141 N, Coleman, Wisconsin. See Figure 1.

Results of our groundwater monitoring show that petroleum constituents remain present on and off site at concentrations exceeding NR 140 enforcement standards (ESs). Contaminant trends in PZ-2, PZ-4, and MW-F are stable and decreasing. Mann-Kendall tests confirm the trends.

Besides the groundwater pathway, there are no other pathways or receptors, such as water supply pathways, surface waters, sensitive environments, utility trenches, or plant uptake and food chain, through which petroleum can move. There are two environmental factors as outlined in NR 746 including groundwater contamination within the limestone bedrock and the petroleum release is greater than 10 years old.

Based on these results, Tetra Tech recommends the Wisconsin Department of Natural Resources (WDNR) review the site for closure. If WDNR agrees Tetra Tech will submit a closure application.

Purpose and Scope

This report documents the results of groundwater sampling events completed in May 2010, October 2010, and December 2010.

Well Installation and Groundwater Testing Methods

Tetra Tech installed and developed one groundwater monitoring well (MW-12) and one piezometer (PZ-7) at the Konop Property site. The monitoring well was installed at a depth of 18 feet below ground surface (bgs) and screened from approximately 8 to 18 feet bgs. Piezometer depths are 32 feet bgs and screened from approximately 27 to 32 feet bgs The wells were installed and developed according to Chapter NR 141 of the Wisconsin Administrative Code and are shown in Figure 2.



Tetra Tech collected two quarterly rounds of groundwater samples from 12 wells/piezometers and one round from four wells by purging each monitoring well and collecting a sample using a disposable bailer. Bailer contents were emptied into the appropriately preserved containers, and all samples were packed in a cooler and shipped with the chain of custody record. Groundwater samples collected were analyzed for petroleum volatile organic compounds (PVOCs), naphthalene, 1,2-dichloroethane (DCA), and lead. Samples collected from MW-12 and PZ-7 were initially analyzed for volatile organic compounds (VOCs). The samples were shipped to Siemens, Rothschild, Wisconsin.

Appendix A contains groundwater sampling procedures. Appendix B contains monitoring well/piezometer construction forms (Form 4400-113A) and well development forms (Form 4400-113B) for wells MW-12 & PZ-7.

Recent Groundwater Results

The Wisconsin Department of Natural Resources (WDNR) established groundwater preventive action limits (PALs) and ESs for selected compounds that are listed in Wisconsin Administrative Code NR 140. If a contaminant concentration exceeds the PAL, the WDNR may require monitoring or additional investigation. If the concentration exceeds the ES, the WDNR may require monitoring or remediation.

Benzene (1,550 parts per billion [ppb]), ethylbenzene (2,310 ppb), naphthalene (502 ppb), toluene (8,840 ppb), and total trimethylbenzenes (TMBs) (3,100 ppb) were detected above their respective ESs in monitoring well MW-F. Benzene (520 ppb), 1,2-DCA (8.92 ppb), and total TMBs (530 ppb) were detected above their respective ESs in monitoring well PZ-4.

A benzene concentration above its ES of 5 ppb was detected in well PZ-2 (377 ppb).

Several PVOCs were detected above their respective PALs in well MW-F, PZ-4, and PZ-2.

No PVOCs were detected above laboratory detection limits in wells MW-3, PZ-3, MW-10, PZ-5, MW-8, MW-11, PZ-6, MW-12, and PZ-7.

Groundwater analytical results are summarized in Table 1 and depicted in Figures 3 through 8. Complete laboratory results are included in Appendix C.

Natural Attenuation Monitoring

Mann-Kendall Tests

We calculated the stability of the groundwater plume at MW-F, PZ-2, and PZ-4 using the Mann-Kendall statistical test (WDNR Form 4400-215) to determine trends in the groundwater quality in these wells. The groundwater plume is decreasing or stable in wells MW-F, PZ-2, and PZ-4. Appendix D includes a copy of the Mann-Kendall Statistical test for wells MW-F, PZ-2, and PZ-4.

Risk Assessment

Tetra Tech completed a risk analysis based on the criteria outlined in Wisconsin Administrative Code Chapter 746. We evaluated the criteria to determine the appropriate remedial approach for the site. Based on our evaluation the following risks exist at the site:

- 746.06(2) (a)3 Groundwater contamination is within the limestone bedrock.
- 746.06(2) (f) The petroleum release is greater than 10 years old.

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC, AND OURSELVES, ALL TETRA TECH REPORTS ARE SUBMITTED AS THE CONFIDENTIAL INFORMATION OF CLIENTS, AND AUTHORIZATION FOR PUBLICATION OF STATEMENT, CONCLUSIONS OR EXTRACTIONS FROM OR REGARDING OUR REPORTS IS RESERVED PENDING OUR PRIOR WRITTEN APPROVAL.



Appendix E includes a complete NR 746 analysis.

Conclusions and Recommendations

Results of our groundwater monitoring show that petroleum constituents remain present on and off site at concentrations exceeding NR 140 ESs. Contaminant trends in PZ-2, PZ-4, and MW-F are stable and decreasing. Mann-Kendall tests confirm the trends.

Besides the groundwater pathway, there are no other pathways or receptors, such as water supply pathways, surface waters, sensitive environments, utility trenches, or plant uptake and food chain, through which petroleum can move. There are two environmental factors as outlined in NR 746 including groundwater contamination within the limestone bedrock and the petroleum release is greater than 10 years old.

Based on these results, Tetra Tech recommends the WDNR review the site for closure. If WDNR agrees Tetra Tech will submit a closure application.

If you have any questions, I can be reached at 715-832-0282.

Michael K. Neal, Professional Hydrologist WI ONAL HYDRO

Dale Konop, 7105 Konitzer Road, Oconto Falls, WI 54154 CC:

Beth A. Erdman, WDCOM, 375 City Center, Suite I, Oshkosh, WI 54901-1805



| | | A KON | TABI | LE 1 (page 1 o RESULTS - GR Y SITE, COLE | f 12) OUNDWATER MAN, WISCON | ISIN | | | |
|-------------------------|--------|----------|--------|--|-----------------------------------|--------|---------|-------------|---------------|
| | | | | MW-3 | | | | NR 140 Ren | nedial Action |
| Date | May-06 | Oct-06 | Aug-07 | Nov-07 | Apr-08 | May-10 | Oct-10 | Lin | nits |
| Relative Elevation (ft) | 706.79 | 705.90 | 704.05 | 704.82 | 705.44 | 705.87 | 706.83 | | |
| <u>ANALYTE</u> | | | | | | | | ES | PAL |
| Lead (ppb) | | | | | | < 0.6 | | 15 | 1.5 |
| VOCs/PVOCs (ppb) | | | | | | | | | |
| Benzene | 1,600 | 700 | 165 | 116 | < 0.3 | 0.64 | <0.2 | 5 | 0.5 |
| 1,2-DCA | < 6 | 9 | 3 | 7 | < 0.5 | < 0.2 | <0.3 | 5 | 0.5 |
| Ethylbenzene | < 6 | 9 | 3 | 7 | < 0.5 | < 0.2 | <0.2 | 700 | 140 |
| MTBE | 76 | 82 | 28 | < 3 | 1.32 | < 0.5 | <0.5 | 60 | 12 |
| Naphthalene | | | | | | < 1 | <1 | 100 | 10 |
| Toluene | 380 | 44 | 4 | < 3 | < 0.3 | < 0.4 | <0.4 | 1,000 | 200 |
| 1,2,4- & 1,3,5-TMB | < 10 | 2 | 3 | < 4 | < 0.4 | < 0.2 | <0.2 | 480 | 96 |
| Total Xylenes | < 18 | 110 | 11 | < 6 | < 0.6 | < 0.4 | <0.4 | 10,000 | 1,000 |
| ND = Not Detected | | | | | | | Well De | pth (feet): | 12 |

--- = not analyzed or no standard

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

DCA = dichloroethane

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet): TOC Elevation (feet):

715.22 Date Installed: 28-Apr-06

Screen Length (feet): 10

| | | KON | TAB ANALYTICAL I OP PROPERT | LE 1 (page 2 o RESULTS - GR Y SITE, COLE | f 12) OUNDWATER MAN, WISCOM | ISIN | | | |
|-------------------------|--------|--------|-----------------------------------|--|-----------------------------------|--------|---------|------------------------|-------|
| | | | | PZ-3 | | | | NR 140 Remedial Action | |
| Date | Jun-06 | Oct-06 | Aug-07 | Nov-07 | Apr-08 | May-10 | Oct-10 | Lin | nits |
| Relative Elevation (ft) | 701.25 | 702.43 | 699.44 | 699.35 | 704.18 | 701.48 | 703.77 | 1 | |
| ANALYTE | - | | | | | | | ES | PAL |
| Lead (ppb) | | | | | | < 0.6 | | 15 | 1.5 |
| VOCs/PVOCs (ppb) | | | | | | | | | |
| Benzene | < 0.4 | < 0.1 | < 0.3 | < 0.3 | < 0.3 | 1.71 | <0.2 | 5 | 0.5 |
| 1,2-DCA | | | | | | < 0.3 | <0.3 | 5 | 0.5 |
| Ethylbenzene | < 0.5 | < 0.4 | < 0.5 | < 0.5 | < 0.5 | < 0.2 | <0.2 | 700 | 140 |
| MTBE | 3.5 | 3.7 | 4 | 3 | < 0.3 | < 0.5 | <0.5 | 60 | 12 |
| Naphthalene | | | | | | < 1 | <1 | 100 | 10 |
| Toluene | < 0.7 | < 0.4 | < 1 | < 1 | < 0.3 | < 0.4 | <0.4 | 1,000 | 200 |
| 1,2,4- & 1,3,5-TMB | < 1 | <0.4 | < 0.4 | < 0.4 | < 0.4 | < 0.2 | <0.2 | 480 | 96 |
| Total Xylenes | < 2 | < 1 | < 0.6 | < 0.6 | < 0.6 | < 0.4 | <0.4 | 10,000 | 1,000 |
| ND = Not Detected | | | | | | | Well De | oth (feet): | 35 |

--- = not analyzed or no standard

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

DCA = dichloroethane

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

TOC Elevation (feet): 714.18 Date Installed: 6-Jun-06

Screen Length (feet): 10

| | A KON | TABL | E 1 (page 3 o RESULTS - GR Y SITE, COLE | f 12) COUNDWATER MAN, WISCON | ISIN | | |
|----------------------------|----------|--------|---|------------------------------------|-----------|---------------|---------------|
| | | | MW-10 | | | NR 140 Rer | medial Action |
| Date | Aug-07 | Nov-07 | Apr-08 | May-10 | Oct-10 | Lir | nits |
| Relative Elevation (ft) | Dry | 703.54 | 708.04 | 706.24 | 707.49 | 1 | |
| ANALYTE | | | | | | ES | PAL |
| Lead (ppb) | | | | < 0.6 | | 5 | 0.5 |
| VOCs/PVOCs (ppb) | | | | | • | | |
| Benzene | | < 0.2 | < 0.3 | < 0.2 | < 0.2 | 5 | 0.5 |
| 1,2-DCA | | | | < 0.2 | <0.3 | 5 | 0.5 |
| Ethylbenzene | | < 0.1 | < 0.5 | < 0.2 | < 0.2 | 700 | 140 |
| MTBE | | < 0.2 | < 0.3 | < 0.5 | < 0.5 | 60 | 12 |
| Naphthalene | | < 1 | | < 1 | < 1 | 100 | 10 |
| Toluene | | < 0.4 | < 0.3 | < 0.4 | < 0.4 | 1,000 | 200 |
| 1,2,4- & 1,3,5-TMB | | < 0.4 | < 0.4 | < 0.2 | < 0.2 | 480 | 96 |
| Total Xylenes | | < 0.6 | < 0.6 | < 0.4 | < 0.4 | 10,000 | 1,000 |
| ND = Not Detected | | | | | Well De | pth (feet): | 13 |
| = not analyzed or no sta | andard | | | | TOC Eleva | ation (feet): | 713.34 |
| MTBE = methyl-tert-butylet | her | | | | Date Ir | nstalled: | 30-Aug-07 |

Screen Length (feet):

10

TMB = trimethylbenzene

DCA = dichloroethane

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

| | A KON | TABI | E 1 (page 4 o ESULTS - GR Y SITE, COLE | f 12) COUNDWATER MAN, WISCOM | ISIN | | | |
|--------------------------|----------|--------|--|------------------------------------|----------|------------------------|--------|--|
| | | | PZ-5 | | | NR 140 Remedial Action | | |
| Date | Aug-07 | Nov-07 | Apr-08 | May-10 | Oct-10 | Lir | nits | |
| Relative Elevation (ft) | 713.30 | 701.42 | 705.67 | 703.10 | 705.25 | | | |
| ANALYTE | | | | | | ES | PAL | |
| Lead (ppb) | | | | < 0.6 | | 15 | 1.5 | |
| VOCs/PVOCs (ppb) | | • | | | | | | |
| Benzene | 1.7 | < 0.3 | < 0.3 | < 0.2 | < 0.2 | 5 | 0.5 | |
| Bromomethane | 2 | | | | | 10 | 1 | |
| 1,2-DCA | | | | 0.3 | <0.3 | 5 | 0.5 | |
| Ethylbenzene | < 1 | < 0.5 | < 0.5 | < 0.2 | < 0.2 | 700 | 140 | |
| MTBE | < 0.2 | < 0.3 | < 0.3 | < 0.5 | < 0.5 | 60 | 12 | |
| Naphthalene | | | | < 1 | < 1 | 100 | 10 | |
| Toluene | < 1 | < 0.3 | < 0.3 | < 0.4 | < 0.4 | 1,000 | 200 | |
| 1,2,4- & 1,3,5-TMB | < 0.5 | < 0.4 | < 0.4 | < 0.2 | < 0.2 | 480 | 96 | |
| Total Xylenes | < 0.4 | < 0.6 | < 0.6 | < 0.4 | < 0.4 | 10,000 | 1,000 | |
| ND = Not Detected | | | | | Well De | pth (feet): | 30 | |
| = not analyzed or no sta | andard | | | | TOC Elev | ation (feet): | 713.30 | |

Date Installed:

Screen Length (feet):

30-Aug-07

5

MTBE = methyl-tert-butylether

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10. **Bold** numbers indicate concentrations above the PAL outlined in NR 140.10.

TMB = trimethylbenzene

DCA = dichloroethane

| | | | | ANALYTI KONOP PRO | TABLE 1 (pa CAL RESUL PERTY SITE | age 5 of 12) FS - GROUNE , COLEMAN, ⁷ | WATER WISCONSIN | | 1110 | | | | |
|-------------------------|---|--------|-------|----------------------|--|--|--------------------|--------|--------|---------|-------------|------------------------|--|
| | MW-F | | | | | | | | | | NR 140 Rer | NR 140 Remedial Action | |
| Date | Jun-02 Sep-02 Nov-03 Oct-06 Aug-07 Nov-07 Apr-08 May-10 Oct-10 Dec-10 | | | | | | | | | | Lin | nits | |
| Relative Elevation (ft) | | | | 706.02 | 702.00 | 703.36 | 708.16 | 705.76 | 707.64 | 705.20 | | | |
| ANALYTE | | | | | | | | | | | ES | PAL | |
| Lead (ppb) | | | | | | | | 4.15 | 3.82 | | 15 | 1.5 | |
| VOCs/PVOCs (ppb) | | | | | | | | | | | | | |
| Benzene | 7,400 | 3,400 | 2,400 | 770 | 803 | 1,370 | 2,910 | 2,030 | 1,690 | 1,550 | 5 | 0.5 | |
| 1,2-DCA | | | | | | | | 45.8 | <30 | < 60 | 5 | 0.5 | |
| Ethylbenzene | 2,600 | 2,700 | 230 | 2,300 | 292 | 1,670 | 2,960 | 2,540 | 2,060 | 2,310 | 700 | 140 | |
| MTBE | < 100 | < 43 | 36 | < 18 | 48 | < 15 | < 150 | < 50 | <50 | < 100 | 60 | 12 | |
| Naphthalene | | | | | | | | 378 | 419 | 502 | 100 | 10 | |
| Toluene | 18,000 | 13,000 | 9,200 | 5,100 | 2,660 | 6,230 | 12,800 | 9,220 | 9,150 | 8,840 | 1,000 | 200 | |
| 1,2,4- & 1,3,5-TMB | 2,150 | 2,140 | 1,670 | 2,630 | 823 | 1,750 | 2,305 | 1,662 | 1,700 | 3,100 | 480 | 96 | |
| Total Xylenes | 11,200 | 9,600 | 8,300 | 7,300 | 3,420 | 10,690 | 10,060 | 8,880 | 8,400 | 9,960 | 10,000 | 1,000 | |
| ND = Not Detected | | | | | and the second | | | | | Well De | pth (feet): | 13 | |

ND = Not Detected

--- = not analyzed or no standard

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

DCA = dichloroethane

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet):

Date Installed:

TOC Elevation (feet):

715.06 3-Jun-02

5

Screen Length (feet):

| | | A KON | TABLE 1 (p NALYTICAL RESUL OP PROPERTY SITE | age 6 of 12) TS - GROUNDWATE , COLEMAN, WISCO | R NSIN | | | | | | |
|-------------------------|--------|----------|---|---|-----------|------------|---------|-------|--|--|--|
| | PZ-4 | | | | | | | | | | |
| Date | Aug-07 | Nov-07 | Apr-08 | May-10 | Oct-10 | Dec-10 | Lir | nits | | | |
| Relative Elevation (ft) | 715.12 | 700.21 | 696.50 | 697.62 | 705.30 | 703.00 | 1 | | | | |
| ANALYTE | | | | • | | | ES | PAL | | | |
| Lead (ppb) | | | | < 0.6 | | | 15 | 1.5 | | | |
| VOCs/PVOCs (ppb) | | | | | | | | | | | |
| Benzene | 132 | 563 | 869 | 1,010 | 941 | 520 | 5 | 0.5 | | | |
| 1,2-DCA | 3 | | | 25.4 | <15 | 8.92 | 5 | 0.5 | | | |
| Ethylbenzene | 213 | 848 | 1,120 | 1,270 | 1,090 | 67.3 | 700 | 140 | | | |
| Isopropylbenzene | 6 | | | | | | | | | | |
| MTBE | 6 | < 15 | < 30 | < 25 | <25 | < 10 | 60 | 12 | | | |
| Naphthalene | 80 | | | 226 | 234 | 56.5 | 100 | 10 | | | |
| Toluene | 97 | 891 | 1,820 | 2,380 | 3,140 | 703 | 1,000 | 200 | | | |
| 1,2,4- & 1,3,5-TMB | 253 | 749 | 944 | 1,473 | 860 | 530 | 480 | 96 | | | |
| Total Xylenes | 503 | 2,215 | 2,739 | 3,960 | 3,600 | 1,054 | 10,000 | 1,000 | | | |
| ND = Not Detected | | | | | | Well Depth | (feet): | 35 | | | |

--- = not analyzed or no standard

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

DCA = dichloroethane

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet): TOC Elevation (feet):

715.12 Date Installed: 30-Aug-07

5

Screen Length (feet):

| | | | A KON | TABL | E 1 (page 7 o RESULTS - GR Y SITE, COLE | f 12) OUNDWATER MAN, WISCON | ISIN | | | | |
|-------------------------|--------|--------|----------|--------|---|-----------------------------------|--------|--------|----------|-------------|---------------|
| | | | | | MW-8 | | | | | NR 140 Ren | nedial Action |
| Date | Apr-99 | Mar-00 | Sep-00 | Oct-06 | Aug-07 | Nov-07 | Apr-08 | May-10 | Oct-10 | Lin | nits |
| Relative Elevation (ft) | | Dry | Dry | 705.23 | Dry | Dry | 710.95 | Dry | 707.98 | 1 | |
| ANALYTE | | - | | | | | | | | ES | PAL |
| VOCs/PVOCs (ppb) | | | | | | | | | | | |
| Benzene | < 0.2 | | | < 0.2 | | | < 0.3 | | <0.2 | 5 | 0.5 |
| Ethylbenzene | < 0.3 | | | < 0.3 | | | < 0.5 | | <0.2 | 700 | 140 |
| MTBE | < 0.3 | | | < 0.3 | | | < 0.3 | | <0.5 | 60 | 12 |
| Toluene | < 0.4 | | | < 0.4 | | | < 0.3 | | <0.4 | 1,000 | 200 |
| 1,2,4- & 1,3,5-TMB | < 0.7 | | | < 0.7 | | | < 0.4 | | <0.4 | 480 | 96 |
| Total Xylenes | 2 | | | < 2 | | | < 0.6 | | <0.4 | 10,000 | 1,000 |
| ND = Not Detected | | | | | | | | | Well Dep | oth (feet): | 9 |

TOC Elevation (feet):

Date Installed:

Screen Length (feet):

713.86

1-Dec-98

5

--- = not analyzed or no standard

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

| | | | | | к | ANALY | TABL TICAL R | E 1 (page ESULTS Y SITE, C | e 8 of 12) - GROUN OLEMAN | NDWATE I, WISCO | R | | | | | | |
|-------------------------|--------|--------|--------|--------|--------|--------|-----------------|----------------------------------|---------------------------------|--------------------|--------|--------|--------|--------|--------|---------------|---------------|
| | | | | | | | | PZ-2 | | | | | | | | NR 140 Re | medial Action |
| Date | Dec-99 | Mar-00 | Sep-00 | Jul-01 | Jun-02 | Sep-02 | Jan-03 | May-03 | Nov-03 | Oct-06 | Aug-07 | Nov-07 | Apr-08 | May-10 | Oct-10 | L | imits |
| Relative Elevation (ft) | | | | | | | | | | 705.70 | 701.39 | 702.76 | 706.71 | 704.22 | 706.95 | | |
| ANALYTE | | | | | | | | | | | | | | | | ES | PAL |
| Lead (ppb) | | | | | | | | | | | | | | < 0.6 | | 15 | 1.5 |
| VOCs/PVOCs (ppb) | | | | | | | | | | | | | | | | | |
| Benzene | 34 | 300 | 2,200 | 350 | 210 | 450 | 450 | 46 | 460 | 100 | 9 | 133 | 39.6 | 235 | 377 | 5 | 0.5 |
| 1,2-DCA | | | | | | | | | | | | | | 6.01 | <0.3 | 5 | 0.5 |
| Ethylbenzene | < 0.3 | 11 | 330 | 62 | 39 | 120 | 240 | 1 | 250 | 170 | 24 | 449 | 26.6 | 240 | 142 | 700 | 140 |
| MTBE | 0.7 | < 3 | < 5 | < 6 | < 5 | 3 | < 1 | 6 | 16 | 1.5 | 2 | < 6 | < 0.3 | < 5 | <5 | 60 | 12 |
| Naphthalene | | | | | | | | | | | | | | 25.4 | 36.6 | 100 | 10 |
| Toluene | 4 | 28 | 1,400 | 440 | 37 | 37 | 11 | 4 | 54 | 82 | 14 | 569 | 42.5 | 45.5 | 51.3 | 1,000 | 200 |
| 1,2,4- & 1,3,5-TMB | 2 | 6 | 277 | 93 | 60 | 28 | 5 | < 0.7 | 120 | 213 | 13 | 515 | 163.57 | 132 | 71 | 480 | 96 |
| Total Xylenes | 19 | 42 | 1,200 | 390 | 62 | 35 | 9 | 3 | 53 | 319 | 58 | 1,211 | 214.6 | 149.5 | 100 | 10,000 | 1,000 |
| ND = Not Detected | | | | | | | | | | | | | | | Well D | Depth (feet): | 25 |

--- = not analyzed or no standard

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

DCA = dichloroethane

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet):

Date Installed:

TOC Elevation (feet):

713.92 1-Nov-99

Screen Length (feet): 5

| | A KON | TABI | LE 1 (page 9 o RESULTS - GR Y SITE, COLE | f 12) ROUNDWATER MAN, WISCON | ISIN | | |
|----------------------------|----------|--------|--|------------------------------------|-----------|---------------|---------------|
| | | | MW-11 | | | NR 140 Rer | medial Action |
| Date | Aug-07 | Nov-07 | Apr-08 | May-10 | Oct-10 | Lir | nits |
| Relative Elevation (ft) | Dry | 703.58 | 710.28 | 705.13 | 706.58 | 1 | |
| ANALYTE | | | | | | ES | PAL |
| Lead (ppb) | | | | < 0.6 | | 100 | 10 |
| VOCs/PVOCs (ppb) | | | | | | | |
| Benzene | | < 0.2 | < 0.3 | < 0.2 | <0.2 | 5 | 0.5 |
| 1,2-DCA | | | | < 0.2 | <0.3 | 100 | 10 |
| Ethylbenzene | | < 0.1 | < 0.5 | < 0.2 | <0.2 | 700 | 140 |
| MTBE | | < 0.2 | < 0.3 | < 0.5 | <0.5 | 60 | 12 |
| Naphthalene | | < 1 | | < 1 | <1 | 100 | 10 |
| Toluene | | < 0.4 | < 0.3 | < 0.4 | <0.4 | 1,000 | 200 |
| 1,2,4- & 1,3,5-TMB | | < 0.4 | < 0.4 | < 0.2 | <0.2 | 480 | 96 |
| Total Xylenes | | < 0.6 | < 0.6 | < 0.4 | <0.4 | 10,000 | 1,000 |
| ND = Not Detected | | | | | Well De | oth (feet): | 13 |
| = not analyzed or no sta | andard | | | | TOC Eleva | ation (feet): | 714.93 |
| MTBE = methyl-tert-butylet | her | | | | Date Ir | nstalled: | 30-Aug-07 |

Screen Length (feet):

10

TMB = trimethylbenzene

DCA = dichloroethane

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

| | KON | TABL | E 1 (page 10 c RESULTS - GR Y SITE, COLE | of 12) COUNDWATER MAN, WISCON | ISIN | | | |
|-----------------------------|--------|--|--|-------------------------------------|----------|---------------|---------------|--|
| | | | PZ-6 | | | NR 140 Rei | medial Action | |
| Date | Aug-07 | Nov-07 | Apr-08 | May-10 | Oct-10 | Limits | | |
| Relative Elevation (ft) | | 702.85 | 707.97 | 706.03 | 706.95 | 1 | | |
| ANALYTE | | | | | | ES | PAL | |
| Lead (ppb) | | | | 2 | | 15 | 1.5 | |
| VOCs/PVOCs (ppb) | | | | | | | | |
| Benzene | 247 | 42 | 3.84 | < 0.2 | <0.2 | 5 | 0.5 | |
| 1,2-DCA | 6 | | | < 0.2 | <0.3 | 5 | 0.5 | |
| 1,1-Dichloropropylene | 7 | | | | | | | |
| Ethylbenzene | 142 | 236 | 0.734 | < 0.2 | <0.2 | 700 | 140 | |
| lsopropylbenzene | 21 | | | | | | | |
| MTBE | < 2 | < 6 | < 0.3 | < 0.5 | <0.5 | 60 | 12 | |
| Naphthalene | 45 | | | < 1 | <1 | 100 | 10 | |
| Toluene | 98 | 59 | 1.06 | < 0.4 | <0.4 | 1,000 | 200 | |
| 1,2,4- & 1,3,5-TMB | 725 | 782 | 5.48 | 0.45 | <0.2 | 480 | 96 | |
| Total Xylenes | 481 | 1,012 | 5.69 | < 0.4 | <0.4 | 10,000 | 1,000 | |
| ND = Not Detected | | and a second | | | Well De | pth (feet): | 30 | |
| = not analyzed or no star | ndard | | | | TOC Elev | ation (feet): | 715.03 | |
| MTBE = methyl-tert-butyleth | ner | | | | Date Ir | nstalled: | 30-Aug-07 | |

Screen Length (feet):

5

TMB = trimethylbenzene

DCA = dichloroethane

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

| | TA ANALYTICA KONOP PROPE | BLE 1 (page 11 of 1 L RESULTS - GROU RTY SITE, COLEMA | 2) INDWATER N, WISCONSIN | | |
|-----------------------------|--------------------------------|---|--------------------------------|-----------|-----------|
| | | NR 140 Remedial Action | | | |
| Date | May-10 | Oct-10 | Dec-10 | Lir | nits |
| Relative Elevation (ft) | 703.83 | 707.91 | 705.15 | 1 | |
| ANALYTE | | | | ES | PAL |
| Lead (ppb) | 1.33 | 1 | | 15 | 1.5 |
| VOCs/PVOCs (ppb) | | | | | |
| Benzene | < 2 | <0.2 | < 0.2 | 5 | 0.5 |
| 1,2-DCA | < 3 | <0.3 | < 0.3 | 100 | 10 |
| Ethylbenzene | 58.1 | <0.2 | < 0.2 | 700 | 140 |
| MTBE | < 5 | <0.5 | < 0.5 | 60 | 12 |
| Naphthalene | 28.6 | <1 | < 1 | 100 | 10 |
| Toluene | 12.9 | <0.4 | < 0.4 | 1,000 | 200 |
| 1,2,4- & 1,3,5-TMB | 505 | 4 | < 0.2 | 480 | 96 |
| Total Xylenes | 188.8 | 1.39 | < 0.4 | 10,000 | 1,000 |
| ND = Not Detected | | | Well Depth | (feet): | 18 |
| = not analyzed or no stan | dard | | TOC Elevatio | n (feet): | 716.13 |
| MTBE = methyl-tert-butyleth | er | | Date Insta | alled: | 18-May-10 |
| TMB = trimethylbenzene | | | Screen Lengt | h (feet): | 10 |

DCA = dichloroethane

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

| | TA ANALYTICA KONOP PROPE | BLE 1 (page 12 of 12 IL RESULTS - GROU RTY SITE, COLEMA | 2) NDWATER N, WISCONSIN | | |
|-----------------------------|--------------------------------|---|-------------------------------|-------------|-----------|
| | | NR 140 Rer | nedial Action | | |
| Date | May-10 | Oct-10 Dec-10 | | Lir | nits |
| Relative Elevation (ft) | 703.07 | 705.57 | 703.27 | | |
| <u>ANALYTE</u> | | | | ES | PAL |
| Lead (ppb) | < 0.6 | | | 15 | 1.5 |
| VOCs/PVOCs (ppb) | | | | | |
| Benzene | 0.56 | <0.2 | < 0.2 | 5 | 0.5 |
| 1,2-DCA | < 0.3 | <0.3 | < 0.3 | 100 | 10 |
| Ethylbenzene | 2.22 | <0.2 | < 0.2 | 700 | 140 |
| MTBE | < 0.5 | <0.5 | < 0.5 | 60 | 12 |
| Naphthalene | 1.53 | <1 | < 1 | 100 | 10 |
| Toluene | 1.16 | <0.4 | < 0.4 | 1,000 | 200 |
| 1,2,4- & 1,3,5-TMB | 20 | <0.2 | < 0.2 | 480 | 96 |
| Total Xylenes | 13.3 | <0.4 | < 0.4 | 10,000 | 1,000 |
| ND = Not Detected | | | Well Dept | h (feet): | 32 |
| = not analyzed or no star | ndard | | TOC Elevat | ion (feet): | 716.07 |
| MTBE = methyl-tert-butyleth | ner | | Date Ins | talled: | 18-May-10 |
| TMB = trimethylbenzene | | | Screen Len | gth (feet): | 5 |

DCA = dichloroethane

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.



LEGEND

| · ······ | WATERMAIN |
|---------------|-------------------------------|
| | SANITARY SEWER |
| | APPROXIMATE PROPERTY BOUNDARY |
| x | FENCE LINE |
| | NATURAL GAS LINE |
| po | OVERHEAD POWER LINE |
| | UNDERGROUND POWER LINE |
| | RIGHT-OF-WAY LINE |
| ₩ MW-5 | MONITORING WELL |
| 🖶 PZ-5 | PIEZOMETER |
| | |

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING BY NRP ENVIRONMENTAL CONSULTANTS, TITLED "GROUNDWATER FLOW: MONITORING WELLS MAY 23, 2006," DATED MAY 2006.



| Description | Project No.: | 114-330854 |
|-------------|--------------|------------|
| | Date: | 08-06-10 |
| ATURES | Designed By: | MN |
| | FIGU | RE 2 |
| ROPERTY | | |
| WISCONSIN | | |



LEGEND

| | WATERMAIN |
|--------|--|
| s | SANITARY SEWER |
| | APPROXIMATE PROPERTY BOUNDARY |
| x | FENCE LINE |
| | NATURAL GAS LINE |
| | OVERHEAD POWER LINE |
| | UNDERGROUND POWER LINE |
| | RIGHT-OF-WAY LINE |
| } MW−1 | MONITORING WELL |
| PZ-1 | PIEZOMETER |
| | GROUNDWATER CONTOUR |
| 713.30 | GROUNDWATER ELEVATION |
| | GROUNDWATER FLOW |
| 1.7 | BENZENE, in parts per billion |
| DCA | DICHLOROETHANE |
| ND | NOT DETECTED |
| NS | NO SAMPLE |
| | EXTENT OF GROUNDWATER CONTAMINATION |

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING BY NRP ENVIRONMENTAL CONSULTANTS, TITLED "GROUNDWATER FLOW: MONITORING WELLS MAY 23, 2006," DATED MAY 2006.



| Description | Proje |
|-------------|-------|
| VATER DATA | Date |
| 2010 | Desi |
| ING WELLS | |
| PROPERTY | |
| WISCONSIN | |

roject No.: 114-330854 ate: 08-06-10

MN

Date:

signed By:

FIGURE 3



LEGEND

| | WATERMAIN |
|------|-------------------------------|
| \$ | SANITARY SEWER |
| | APPROXIMATE PROPERTY BOUNDARY |
| × | FENCE LINE |
| G | NATURAL GAS LINE |
| Po | OVERHEAD POWER LINE |
| | UNDERGROUND POWER LINE |
| | RIGHT-OF-WAY LINE |
| W-1 | MONITORING WELL |
| Z—1 | PIEZOMETER |
| 3.30 | GROUNDWATER ELEVATION |
| | GROUNDWATER FLOW |
| 1.7 | BENZENE, in parts per billion |
| DCA | DICHLOROETHANE |
| ND | NOT DETECTED |
| NS | NO SAMPLE |
| _ | EXTENT OF GROUNDWATER |

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING BY NRP ENVIRONMENTAL CONSULTANTS, TITLED "GROUNDWATER FLOW: MONITORING WELLS MAY 23, 2006," DATED MAY 2006.



| escription | Project No .: | 114-330854 |
|--------------|---------------|------------|
| ATER DATA | Date: | 08-06-10 |
| 2010 | Designed By: | MN |
| IETER | FIGURE | 4 |
| ROPERTY | | |
| WISCONSIN | 2 | |



| LLGLIND |
|---------|
|---------|

| | WATERMAIN |
|-------|--|
| ş | SANITARY SEWER |
| | APPROXIMATE PROPERTY BOUNDARY |
| x | FENCE LINE |
| (j | NATURAL GAS LINE |
| | OVERHEAD POWER LINE |
| | UNDERGROUND POWER LINE |
| | RIGHT-OF-WAY LINE |
| MW-1 | MONITORING WELL |
| PZ-1 | PIEZOMETER |
| 13.30 | GROUNDWATER ELEVATION |
| 1.7 | BENZENE, in parts per billion |
| DCA | DICHLOROETHANE |
| ND | NOT DETECTED |
| NS | NO SAMPLE |
| | EXTENT OF GROUNDWATER CONTAMINATION |

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING BY NRP ENVIRONMENTAL CONSULTANTS, TITLED "GROUNDWATER FLOW: MONITORING WELLS MAY 23, 2006," DATED MAY 2006.



114-330854 Project No.: Date: 01-11-11 Designed By: LE FIGURE 5



| <u>LEGEN</u> | D |
|--------------|-------------------------------|
| | WATERMAIN |
| | SANITARY SEWER |
| | APPROXIMATE PROPERTY BOUNDARY |
| _× | FENCE LINE |
| | NATURAL GAS LINE |
| | OVERHEAD POWER LINE |
| Pu | UNDERGROUND POWER LINE |
| | RIGHT-OF-WAY LINE |
| | MONITORING WELL |
| | PIEZOMETER |
| | GROUNDWATER CONTOUR |
| | GROUNDWATER ELEVATION |
| | GROUNDWATER FLOW |
| | BENZENE, in parts per billion |
| | DICHLOROETHANE |
| | NOT DETECTED |
| | NO SAMPLE |
| 16 | EXTENT OF GROUNDWATER |

1. BASE MAP DEVELOPED FROM A DRAWING BY NRP ENVIRONMENTAL CONSULTANTS, TITLED "GROUNDWATER FLOW: MONITORING WELLS MAY 23, 2006," DATED MAY 2006.

| scription | Project No.: | 114-330854 |
|-----------|--------------|------------|
| TER DATA | Date: | 01-11-11 |
| R 2010 | Designed By: | LE |
| ETER | FIGURE | 6 |
| OPERTY | | |
| ISCONSIN | | |
| 8 | | |



LEGEND

| and the second | WATERMAIN |
|--|--|
| | SANITARY SEWER |
| | APPROXIMATE PROPERTY BOUNDARY |
| × | FENCE LINE |
| | NATURAL GAS LINE |
| | OVERHEAD POWER LINE |
| | UNDERGROUND POWER LINE |
| | RIGHT-OF-WAY LINE |
| MW-1 | MONITORING WELL |
| PZ-1 | PIEZOMETER |
| | GROUNDWATER CONTOUR |
| 713.30 | GROUNDWATER ELEVATION |
| | GROUNDWATER FLOW |
| 1.7 | BENZENE, in parts per billion |
| DCA | DICHLOROETHANE |
| ND | NOT DETECTED |
| NS | NO SAMPLE |
| | EXTENT OF GROUNDWATER CONTAMINATION |

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING BY NRP ENVIRONMENTAL CONSULTANTS, TITLED "GROUNDWATER FLOW: MONITORING WELLS MAY 23, 2006," DATED MAY 2006.



1 INCH = APPROX. 40 FEET

Drawing Description GROUNDWATER DATA DECEMBE:R 2010 MONITORING WELLS KONOP PROPERTY COLEMAN, WISCONSIN Project No.: 114-330854 Date: 01-11-11 Designed By: LE FIGURE 7 Copyright: Tetra Tech



T

LEGEND

| | WATERMAIN |
|-----|--|
| - 5 | SANITARY SEWER |
| | APPROXIMATE PROPERTY BOUNDARY |
| × | FENCE LINE |
| | NATURAL GAS LINE |
| | OVERHEAD POWER LINE |
| | UNDERGROUND POWER LINE |
| | RIGHT-OF-WAY LINE |
| V—1 | MONITORING WELL |
| -1 | PIEZOMETER |
| | GROUNDWATER CONTOUR |
| .30 | GROUNDWATER ELEVATION |
| | GROUNDWATER FLOW |
| .7 | BENZENE, in parts per billion |
| DCA | DICHLOROETHANE |
| 1D | NOT DETECTED |
| IS | NO SAMPLE |
| | EXTENT OF GROUNDWATER CONTAMINATION |

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING BY NRP ENVIRONMENTAL CONSULTANTS, TITLED "GROUNDWATER FLOW: MONITORING WELLS MAY 23, 2006," DATED MAY 2006.



| Description | Project No .: | 114-330854 | |
|---------------------------------|---------------|------------|--|
| /ATER DATA BER 2010 METER | Date: | 01-11-11 | |
| | Designed By: | LE | |
| | FIGURE 8 | | |
| ROPERTY | | | |
| WISCONSIN | | | |
| | | TI | |



Appendix A

Standard Sampling Procedures and Documentation

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC, AND OURSELVES, ALL TETRA TECH REPORTS ARE SUBMITTED AS THE CONFIDENTIAL INFORMATION OF CLIENTS, AND AUTHORIZATION FOR PUBLICATION OF STATEMENT, CONCLUSIONS OR EXTRACTIONS FROM OR REGARDING OUR REPORTS IS RESERVED PENDING OUR PRIOR WRITTEN APPROVAL.



Office 715.832.0282 Fax 715.832.0541

STANDARD SAMPLING AND FIELD SCREENING PROCEDURES

Soil Sampling Procedures

Soil samples were also collected with a truck-mounted rotary drill equipped with hollow stem augers and a 2-inch-diameter, 24-inch-long split spoon sampler. The split spoon was advanced at 2-foot intervals by conventional methods, including the attachment of the sampler to an AW rod and standard 140-pound hammer. The soil was split into two samples for field screening and laboratory analysis.

All drilling tools and equipment were steam cleaned prior to sampling. Sampling tools were washed with an Alconox[™] and water solution between sampling points to prevent cross contamination.

Field Screening Procedures

We field screened samples with a PID using the headspace procedure. We also recorded instrument readings and sample descriptions and remarks on a soil profile log at the appropriate depth intervals. Results from this screening survey were used to select samples for laboratory analysis. We checked PID calibration daily with isobutylene gas at recommended time intervals according to WDNR guidelines. We conducted the headspace procedure as follows:

- Headspace samples were collected in clean glass jars and filled half-full with the sample material.
- The mouth of the headspace jar was then covered with heavy-gauge aluminum foil and sealed with the lid of the jar.
- The sample was then agitated to break soil clods and release headspace vapors.
- When ambient air temperatures were below 70°F, we placed the headspace samples in a warm environment out of direct sunlight and allowed them to equilibrate to about 70°F. When ambient air temperatures were above 70°F, we placed the samples in a cooler environment out of direct sunlight and allowed them to equilibrate to about 70°F.
- Following equilibration, the sample headspace was analyzed by inserting the PID probe through a single, small hole in the foil seal to a position halfway between the seal and sample surface and then recording the highest instrument readings.
- New headspace jars were used for each site. After use, the headspace jars were cleaned with an Alconox[™] and water solution and allowed to dry. If no VOC carryover was identified with a PID, the jars were reused; if VOC carryover was identified, the sample jars were discarded.



Laboratory Analysis

Split soil samples were put into the appropriate containers as follows:

| ANALYTE | CONTAINER TYPE | FIELD PRESERVATIVE |
|------------|----------------|--------------------|
| GRO | 2-oz. TLC jar | Methanol |
| DRO | 2-oz. TLC jar | None |
| PVOC/VOC | 2-oz. TLC jar | Methanol |
| PAH | 2-oz. TLC jar | None |
| TOTAL LEAD | 4-oz. TLC jar | None |

TLC = Teflon-lined cap

Samples were then sealed and cooled to 4°C for transport to the laboratory. All samples were labeled with the following information:

- Site name
- Sample number
- Sample location
- Date and time of collection
- Analysis requested
- Name of sampler
- Other applicable information

Groundwater Monitoring Well Installation and Development Procedures

Monitoring wells were constructed and developed in accordance with Wisconsin Administrative Code - Chapter NR 141 requirements.

Groundwater Sampling Procedures

We collected groundwater samples from the permanent monitoring wells through 2-inch-diameter 0.010-inch slotted polyvinyl chloride (PVC) well casing. Temporary well samples were collected through 1-inch-diameter PVC well casing. We purged each groundwater monitoring well of three well volumes or sufficient water to achieve a sediment-free sample. A clean disposable polyethylene bailer was then inserted down the PVC piping and the contents of the bailer were transferred to the appropriate containers as follows:



| ANALYTE | CONTAINER TYPE | FIELD PRESERVATIVE |
|--------------|-----------------------|--------------------|
| GRO | 40-ml vial | Hydrochloric acid |
| DRO | 1-liter amber bottle | Hydrochloric acid |
| PVOC/VOC | 40-ml vial | Hydrochloric acid |
| PAH | 1-liter amber bottle | None |
| SULFATES | 500-ml plastic bottle | None |
| NITRATES | 500-ml plastic bottle | Sulfuric Acid |
| SOLUBLE IRON | 250-ml plastic bottle | Nitric acid |
| LEAD | 250-ml plastic bottle | Nitric acid |

Care was taken to ensure that no air space was included. The water sample containers were then sealed and cooled to 4°C for transport to the laboratory. All collected samples were labeled with the following information:

- Site name
- Sample number
- Sample location
- Date and time of collection
- Analysis requested
- Name of sampler
- Other applicable information

Chain of Custody Procedures

Tetra Tech completed a chain of custody record in triplicate for the samples transported to the laboratory. When transferring sample custody, the individuals relinquishing and receiving the samples signed, dated, and noted the time on the chain of custody record. A designated sample custodian accepted custody of the shipped samples and verified that the sample identification numbers matched those on the chain of custody record. The laboratory then retained a copy of the chain of custody record until analyses were completed. The record was then transferred to Tetra Tech and is maintained in the project file with the analytical results.

Procedures for Abandoning a Borehole

After all necessary soil samples were collected, the borehole was completely backfilled with bentonite and abandoned according to procedures outlined in Chapter NR 141.25 of the Wisconsin Administrative Code. A WDNR borehole abandonment form (Form 3300-5W) was completed for each soil boring not completed as a monitoring well.



Free Product Removal Procedures

We conducted free product removal procedure as follows:

- Remove well cover and scrape away excess dirt.
- Carefully remove test well plug, bailer, & sock from well casing. Remember that bailer and absorbent socks are tied to the plug.
- Set bailer aside and squeeze product from sock into bucket. After squeezing out sock set aside to dry.
- Measure depth to water/product with a product/groundwater interface probe. Record depth to product, groundwater, and thickness of product in feet.
- Secure bailer to rope or string and insert into well casing. Lower the bailer until contact with water table is made. Allow bailer to drop into the water for no more than one foot. Remove bailer and estimate product thickness. Empty contents of bailer into bucket and record product thickness.
- Continue to lower bailer into well and drop to the water table. Allow bailer to fill with no more than one foot of water/product. Remove bailer and empty contents into bucket. Continue fill bucket. Transfer filled buckets to drum.
- Repeat this process until thickness of free product is less than one inch. Record
 amount of water/product removed.
- If a groundwater sample will be collected use a new disposable bailer to obtain a water sample. Insert the bailers bottom empting device and use to fill the appropriate sample bottle.
- Reattach string/rope to well plug, replace bailer and sock into well and cap with well plug. Replace well cover. Replace socks as needed.
- Secure cover on 55-gasllon drum.



Appendix B

WDNR Well Construction (Form 4400-113A) and Well Development (Form 4400-113B) forms

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC, AND OURSELVES, ALL TETRA TECH REPORTS ARE SUBMITTED AS THE CONFIDENTIAL INFORMATION OF CLIENTS, AND AUTHORIZATION FOR PUBLICATION OF STATEMENT, CONCLUSIONS OR EXTRACTIONS FROM OR REGARDING OUR REPORTS IS RESERVED PENDING OUR PRIOR WRITTEN APPROVAL

State of Wisconsin Department of Natural Resources

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

| | Route To: Watershed/Wastewater Waste Management Remediation/Revelopment Other Other | | | | | | | | | | | | | | | | |
|------------------|---|-----------|--------------|----------------------|--------------------------------------|--|--------------|---|------------|---------------|---------------|---------------------|--------------|-----------------|-------------------|-----|----------------|
| | | | | | | | | | | | | | | Page | 1 | _of | 1 |
| Facili | ty/Proje | ect Na | meKo | nop | Prop | ior ty | Licer | nse/Per | mit/Mc | nitorir | ig Num | nber | Boring | g Num | ber | W- | -12 |
| Borin First 1 | g Drille | d By: | Name | e of crev Last Na | w chief (first, ame: | last) and Firm | Date 05 | Date Drilling Started Date Drilling Completed | | | | | | Drilling Method | | | |
| Firm: WI Un | nique V | Vell N | <u> </u> | CH DNR V | Vell ID No. | Well Name | m m Final | d d Static | Water | y y Level | m m Surfac | d d e Elev | y ý ation | y y | Borehole Diameter | | |
| Local | Grid C | rigin | | timated: | D) or Bo | ring Location 🛛 | | | Feet N | ISL " | Local | Grid L | _Feet | MSL n | <u>6</u> inches | | |
| 5w | 1/4 of | SW | 1/4 of | Section | <u>N,</u> <u>14_</u> , т <u>З</u> | ON, ROOE | Lo | ng | • • | " | | F | | N S _ | □ E Feet□ W | | |
| Facili | ty ID | _ | | | MAr M | ette | County (| Code 8 | Civil | Town/ | City/ o | r Villa | ge (| ol | em. | 47 | |
| Sam | nple | | face) | | | | | | | | | | Soil | Prope | rties | | |
| umber d Type | ength Att. 8 covered (in | ow Counts | spth in Feet | | Soil/Ro And Geo Each | ck Description logic Origin For Major Unit | | scs | aphic g | /ell agram | D/FID | mpressive rength | oisture | quid mit | asticity dex | 200 | QD/ mments |
| Σ́Ε | Re L | Bl | ăë. | | ASPLAT | + | | n | ٤ŝ | ≥ä | Id | SG | žຶ | EE | Pl ⁱ | P | ¥3 |
| | | | -5 | | Srown SAN C | dy Clay ared | | CL | | | | | | | | | ßlind Drill |
| | | | -15 | E | lime : Bed | stone rock 18 ⁻ | | R | | | | | | | | | |
| I here | by cert | tify th | at the | inform | ation on this | form is true and c | correct to | the be | st of m | y kno | wledg | e. | | | | | |
| Signat | Nu | 1 | A | m | | | Firm | 70 | ita | 2 | T | ch | | | | | |

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

| Index difference of wearWell Name $M-d_2$ Index difference of wearWell Name $M-d_2$ Cold Gife Constrained WearNote Cold Gife Constrained WearWearModel Constrained WearWearModel Constrained WearWearModel Constrained WearModel Constrained WearWearModel Constrained WearWearModel Constrained WearWearModel Constrained WearWearModel Constrained WearA ref MSLConstrained WearNot Model Constrained WearModel Constrained WearModel Constrained WearModel Constrained WearNot Model Constrained WearNot Model Constrained WearA ref MSLConstrained WearNot Model Constrained WearNot Model Constrained WearA ref MSLConstrained WearNot Model Constrained WearNot Model Constrained WearA ref MSLConstrained WearNot Model Constrained WearNot Model Constrained WearA ref MSLConstrained WearNot Model Constrained WearNot Model Constrained WearA ref MSLConstrained WearNot Model Constrained WearA ref MS | State of Wisconsin Department of Natural Resources <u>Route to:</u> V | Watershed/Wastewater | Waste Management | MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98 |
|---|--|---|--|--|
| Falley Leense, Permit de Monfording No. Local Grid Origin (1) <td>Facility/Project Name</td> <td>Local Grid Location of Well</td> <td>N. <u>E</u>E.</td> <td>Well Name (h) = []</td> | Facility/Project Name | Local Grid Location of Well | N. <u>E</u> E. | Well Name (h) = [] |
| Facility ID Lt | Facility License, Permit or Monitoring No. | Local Grid Origin 🗆 (estima | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | Wis. Unique Well No. DNR Well ID No. |
| Sector Location of Watte/SourceWell CodeISector Low SourceN RefWell resulted BY. Name (first, last) and FirmSourceA probdConstant of Watter/SourceConstant of Watter/SourceConstant of Watter/SourceWell resulted BY. Name (first, last) and FirmSourceA probdDowngradientnNot KnownI. Cag and lock?Yes [N NoneA. Protective pipe, top elevationR. MSLI. Cag and lock?Yes [N NoneA. Protective pipe, top elevationR. MSLB. Wall casing, top elevationR. MSL <t< td=""><td>Facility ID</td><td>Lat "I St. Plane ft. N</td><td>Long o , ft. E. S/C/N</td><td>Date Well Installed 5/ 18/20/0</td></t<> | Facility ID | Lat "I St. Plane ft. N | Long o , ft. E. S/C/N | Date Well Installed 5/ 18/20/0 |
| Well CasteImage: Caste and the second s | Type of Well | Section Location of Waste/Sou | | Well Installed By: Name (first, last) and Firm |
| Distance from Waste' Left. Stors. $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | Well Code/ | Location of Well Relative to W | aste/Source Gov. Lot Number | NICK A. |
| A. Protective pipe, top elevation 1. Cm and lock? Yes \square No B. Wall casing, top elevation | Distance from Waste/ Enf. Stds. Sourceft. Apply | u \square Upgradient s \square d P Downgradient n \square | Sidegradient Not Known | Tetra Tech. |
| B. Well easing, top elevation $-1 - 1$. MSL C. Land surface elevation $-1 - 1$. ft. MSL D. Surface seal, bottom $-1 - 1$. ft. MSL 12. USCS dissification of solutions are screened. B. Material: 0 (the -1 (the | A. Protective pipe, top elevation | ft. MSL | 1. Cap and lock? | 🔮 Yes 🗆 No |
| C. Land surface elevation $ \hat{Q}_{-} fh. MSL$ D. Surface seal, bottom $ \hat{fh}. MSL \text{ or } \hat{Q}_{-} \hat{S}_{-} fh$ 12. USCS classification of soil near screen: GP = G M = CC = G M = SW = SW = SP = Bedrock $= 0 \text{ fb} MSL \text{ or } \hat{Q}_{-} fh. MSL \text{ or } \hat{Q}_{-} fh$ 13. Sieve analysis performed? \square Yes \square No H Dilling method used: Rotary \blacksquare 5 0 H. Dilling fuid used: Rotary \blacksquare 5 0 H. Dilling fuid used: Rotary \blacksquare 5 0 H. Dilling fuid used: Rotary \blacksquare 5 0 H. Dilling additives used? \square Yes \blacksquare No Describe $_$ F. Fine sand, top $\ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Screen joint, top $_ fh. MSL \text{ or } - \hat{L}_{-} fh.$ H. Develote, diameter $\hat{L} \cdot \hat{L} = \hat{L}_{-} fh.$ H. Due leasing $\hat{L} \cdot \hat{L}_{-} fh$ | B. Well casing, top elevation | ft. MSL | a. Inside diamete | pipe: 6in. |
| D. Surface seal, bottomf. MSL orS.f. c. Material: Steel @ 0.4 12. USCS destification of soil new screem: GPGMGCGMGCGMGMGMGMGMGM | C. Land surface elevation | ft. MSL | b. Length: | 0.5_ft. |
| 12. USCS classification of soil near screen: GP GP GC GC GC GC GC GC GC GC GC GC <td>D. Surface seal, bottom ft. MS</td> <td>SLor O. S ft.</td> <td>c. Material:</td> <td>Steel 🖶 04</td> | D. Surface seal, bottom ft. MS | SLor O. S ft. | c. Material: | Steel 🖶 04 |
| GP GM GC GW SW SP GM SM GC ML MH CL CL CH Bedrock GML ML MH CL CL CH 13. Sieve analysis performed? 14. Drilling method used: Rotary SO ML Other 14. Drilling method used: Rotary SO ML Other 15. Drilling fluid used: Rotary SO ML Other 16. Drilling fluid used: 17. Drilling fluid used: 18. Drilling additives used? 19. Second water (attach analysis, if required): 17. Source of water (attach analysis, if required): 18. Enentonite seal, top | 12. USCS classification of soil near screen | n: | d. Additional pr | otection? |
| Bedrox I Image: Image | | | If yes, descrit | be: |
| 13. Sieve analysis performed? □ Yes □ Noo 14. Drilling method used: Rotary 0 50 Hollow Stem Auger 4 1 Other □ 15. Drilling fluid used: Water 0 2 Air 0 1 Drilling fluid used: Water 0 2 Air 0 1 Other □ S. Drilling fluid used: Water 0 2 Air 0 1 Drilling Mud 0 3 None 9 9 16. Drilling additives used? Stemonite 30 16. Drilling additives used? □ Yes No Describe | Bedrock | | 3. Surface scal: | Bentonite 🗆 30 |
| 14. Drilling method used: Rotary ● 50 Hollow Stem Auger ● 41 Other □ ■ 15. Drilling fluid used: Water □ 0 2 Milling fluid used: Air □ 0 1 Drilling fluid used: S. Annular space seal: a. Granular//Chipped Bentonite ■ 30 Other □ 33 b. Los/gal mud weight Bentonite slurry □ 31 d. ● Bentonite sand slurry □ 35 c. Los/gal mud weight Bentonite slurry □ 31 d. ● Bentonite sand slurry □ 31 d. ● Bentonite Bentonite slurry □ 31 d. ● Fl 3 Volume added fr 3 Volume added fr3 b. Volume added fr3 g. Well casing Flush threaded PVC schedule 40 € 23 Flush threaded PVC schedule 40 € 24 fluer Street in | 13. Sieve analysis performed? | Yes DANO | × | Other 🗆 🧾 |
| BentomineSolution AlgerSolution AlgerSolution algerOtherIn the seal is a Granular/Chipped BentoniteS. Annular space seal:a Granular/Chipped BentoniteI for solution added for any of the aboveF. Termie pumped02Gravity # 06DescribeI. Source of water (attach analysis, if required):Termie pumped02Gravity # 06Bentonite seal:a. Granular/Chipped Bentonite coment groutSource of water (attach analysis, if required):Termie pumped02Gravity # 06Bentonite seal:a. Granular/Chipped Bentonite coment groutGravity # 06Bentonite seal:a. Granular/Chipped BentoniteI. Solution is a start at the seal:a. Gravity # 06Bentonite seal:a. Gravity # 06Gravity # 06 | 14. Drilling method used: Rot | tary 🖬 50 | 4. Material betwee | n well casing and protective pipe: |
| 15. Drilling fluid used: Water \Box 0.2 Air \Box 0.1 Drilling Mud \Box 0.3 None \blacksquare 9.9 5. Annular space seal: a. Granular/Chipped Bentonite \Box 33 b. \Box Los/gai mud weight Bentonite samed siurry \Box 35 c. \Box Los/gai mud weight Bentonite sumel siurry \Box 35 c. \Box Los/gai mud weight Bentonite sumel siurry \Box 31 b. \Box Los/gai mud weight Bentonite sumel siurry \Box 35 c. \Box Los/gai mud weight Bentonite sumel siurry \Box 31 b. \Box Los/gai mud weight Bentonite sumel \Box 02 c. \Box P ² volume added for any of the above f. How installed: Tremie pumped \Box 02 Gravity \blacksquare 08 b. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 b. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 32 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 1/2 in. Bentonite chips \blacksquare 24 c. \Box 1/4 in. \blacksquare 3/8 in. \Box 24 c | Honow Stem At | ther \Box | | Other |
| 15. Drilling fluid used: water 0 2 Air 0 1 Drilling Mud 0 3 None 9 9 16. Drilling additives used? \Box Yes No Describe \Box Yes No 17. Source of water (attach analysis, if required): Tremie 01 18. Bentonite seal, top | | | 5. Annular space se | eal: a. Granular/Chipped Bentonite 33 |
| 16. Drilling additives used? \Box Yes \clubsuit No 16. Drilling additives used? \Box Yes \clubsuit No Describe \Box Yes \clubsuit No 17. Source of water (attach analysis, if required): \Box Tremie pumped 17. Source of water (attach analysis, if required): \Box Tremie pumped 18. Bentonite seal, top ft MSL or $___________________________________$ | Drilling Mud D 0 3 | Air L 01 | bLbs/gal | mud weight Bentonite-sand slurry 35 |
| 16. Drilling additives used? \Box res \P No 17. Source of water (attach analysis, if required): \Box res \P No 17. Source of water (attach analysis, if required): \Box remie pumped \Box 01 17. Source of water (attach analysis, if required): \Box remie pumped \Box 02 17. Source of water (attach analysis, if required): \Box remie pumped \Box 02 17. Source of water (attach analysis, if required): \Box remie pumped \Box 02 18. Bentonite seal, top \Box ft. MSL or $___________________________________$ | | | cLos/gal | mud weight Bentonite slurry $\Box = 51$ nite Bentonite-cement grout $\Box = 50$ |
| DescribeTremie017. Source of water (attach analysis, if required):if. How installed:Tremie0117. Source of water (attach analysis, if required):if. How installed:Tremie0117. Source of water (attach analysis, if required):if. How installed:Tremie0117. Source of water (attach analysis, if required):if. How installed:if. How installed:Tremie0117. Source of water (attach analysis, if required):if. MSL orif. How installed:if. How | 16. Drilling additives used? | Yes 🧖 No | eFt | ³ volume added for any of the above |
| 17. Source of water (attach analysis, if required): Interpret of the seal: Interpret of the sead: Interesea: Interpret of the sea: | Describe | 8 | f. How installed | $\frac{1}{2}$ |
| E. Bentonite seal, top a. Bentonite granules 33 E. Bentonite seal, top ft. MSL or f. ft. F. Fine sand, top ft. MSL or ft. ft. G. Filter pack, top ft. MSL or ft. ft. H. Screen joint, top ft. MSL or ft. ft. I. Well boutom ft. MSL or ft. ft. J. Filter pack, bottom ft. MSL or ft. ft. J. Filter pack, bottom ft. MSL or ft. ft. M. O.D. well casing ft. ft. ft. ft. M. D. well casing ft. in. ft. ft. ft. M. D. well casing ft. ft. ft. ft. ft. M. D. well casing ft. ft. ft. ft. ft. M. D. well casing ft. ft. ft. ft. ft. M. D. well casing ft. ft. ft. ft. ft. M. D. well casing ft. ft. ft. ft. ft. ft. M. D. well casing ft. | 17. Source of water (attach analysis, if requ | ired): | | Gravity 🗭 08 |
| E. Bentonite seal, topft. MSL orft. MSL or | | | 6. Bentonite seal: | a. Bentonite granules 🔲 33 |
| F. Fine sand, topft. MSL orft. | E. Bentonite seal, topft. MS | L or / ft. | b. □1/4 m. • | Difference in the second seco |
| G. Filter pack, topft. MSL orft. MSL or | F. Fine sand, top | Lorft. | 7. Fine sand materi | ial: Manufacturer, product name & mesh size |
| H. Screen joint, topft. MSL orSft. I. Well boutomft. MSL orSft. J. Filter pack, bottomft. MSL orSft. I. Borehole, bottomft. MSL orSft. B. Filter pack material: Manufacturer, product name & mesh size a. <u>Rec</u> <u>F/14</u> <u>Sead</u> <u># Jo</u> b. Volume addedft ³ 9. Well casing: Flush threaded PVC schedule 40 <u># 23</u> Flush threaded PVC schedule 80 24 9. Well casing: <u>Flush threaded PVC schedule 80</u> 24 10. Screen material: <u>PVC</u> a. Screen type: Factory cut <u># 11</u> Continuous slot01 b. <u>Manufacturer</u> c. Slot size:01/2 in. M. O.D. well casing <u>2</u> . <u>2</u> in. N. ID. well casing <u>2</u> . <u>2</u> in. I. Backfill material (below filter pack): None <u># 14</u> Other01 <u>14</u> <u>5ignature</u> <u>5ignature</u> <u>5ignature</u> <u>5ignature</u> <u>5ignature</u> <u>5ignature</u> <u>6</u> . <u>6</u> . | G. Filter pack, top ft. MS | Lor7ft. | a. / C. / b. Volume adde | dft ³ |
| H. Screen joint, top I. Wall boltom I. Wall casing: Flush threaded PVC schedule 40 \blacksquare 2.3 J. Filter pack, bottom I. MSL or $___________________________________$ | H Game initiation of MS | 8 . | 8. Filter pack mate | rial: Manufacturer, product name & mesh size |
| I. Well borromft. MSL or _ / 0 _ ft. J. Filter pack, bottomft. MSL or _ / 8 _ ft. K. Borehole, bottomft. MSL or _ / 8 _ ft. L. Borehole, diameterft. MSL or _ / 8 _ ft. M. O.D. well casingfi. M. I.D. well casingi _ in. M. I.D. well casingi _ in. I. Backfill material (below filter pack): Nonei 14 Other | H. Screen joint, top II. MS | | a. <u>Rec. F/1</u> b. Volume adde | $\frac{17}{10}$ 17 |
| J. Filter pack, bottom ft. MSL or ft. Plush threaded PVC schedule 80 24 K. Borehole, bottom ft. MSL or ft. | I. Well bottomft. MS | Lor_/O_ft. | 9. Well casing: | Flush threaded PVC schedule 40 💋 23 |
| K. Borehole, bottom ft. MSL orft. IO. Screen material: | J. Filter pack, bottomft. MS | Lor_ <u>18_ft</u> . | | Flush threaded PVC schedule 80 24 |
| L. Borehole, diameter $G_{-} G_{-}$ in. M. O.D. well casing $2 \cdot 2 \cdot 5_{-}$ in. N. I.D. well casing $2 \cdot 2 \cdot 5_{-}$ in. I. Beckfill material (below filter pack): I. Beckfill material (below fil | K. Borehole, bottom ft. MS | Lor_18_ft. | a. Screen type: | Factory cut 🔉 11 |
| M. O.D. well casing 2.2.5 in. N. I.D. well casing 2.2. in. N. I.D. well casing 2.2. in. I hereby certify that the information on this form is true and correct to the best of my knowledge. Signature. Signat | L. Borehole, diameter 6.0 in. | | A | Continuous slot 0 1 Other |
| N. I.D. well casing Image: soluted renger. Image: soluted renger. I hereby certify that the information on this form is true and correct to the best of my knowledge. None I a solute renger. Signature. Firm T / T / T / T / T / T / T / T / T / T | M. O.D. well casing | | b. Manufacturer c. Slot size: | 0. <u>[0</u> in. |
| I hereby certify that the information on this form is true and correct to the best of my knowledge. Signature. | N. I.D. well casing λ_{-} in. | | 11. Backfill materia | I (below filter pack): None 4 14 |
| Signature / m// Firm T/ T/ | I hereby certify that the information on this | form is true and correct to the b | best of my knowledge. | |
| and letter lech. | Signature of M | Firm Teti | a Tech. | |

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin Department of Natural Resources

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

| Route to: Watershed/Wastewater | Waste Management |
|--|--|
| Remediation/Redevelopment | Other |
| Facility/Project Name Konop Property MA | rinette Well Name MW-12 |
| Pacifity License, Permit or Monitoring Number County Code | Wis. Unique Well Number DNR Well ID Number |
| 1. Can this well be purged dry? | Before Development After Development |
| 2. Well development method surged with bailer and bailed 👘 4 1 | (from top of a. 230 ft. 250 ft. well casing) |
| surged with bailer and pumped 61 surged with block and bailed 42 surged with block and pumped 62 | Date $b.\underbrace{O5}_{m m} \underbrace{\frac{18}{d}}_{d} \underbrace{\frac{20}{y}}_{y y y y} \underbrace{O5}_{m m} \underbrace{\frac{18}{d}}_{d} \underbrace{\frac{20}{y}}_{y y y y} \underbrace{\frac{05}{m m}}_{m m} \underbrace{\frac{18}{d}}_{d} \underbrace{\frac{20}{y}}_{y y y y} \underbrace{\frac{18}{y}}_{y y y y}$ |
| surged with block, bailed and pumped 70 compressed air 20 bailed only 10 | Time $c. \underline{5}: \underline{30} \oplus p.m. \underline{6}: \underline{30} \oplus p.m.$ |
| pumped only pumped slowly Other D D D D D D D D D | 12. Sediment in well menes menes bottom 13. Water clarity Clear □ 10 Clear ☑ 20 Turbid ☑ 15 Turbid ☑ 25 |
| 3. Time spent developing well <u><u>60</u> min.</u> | (Describe) (Describe) |
| 4. Depth of well (from top of well casisng) $- \cancel{128}$. ft. | |
| 5. Inside diameter of well $\underline{\mathcal{A}}, \underline{\mathcal{O}}_{}$ in. | |
| 6. Volume of water in filter pack and well casing gal. | Eill in if deilling fluide sume word and woll in at solid worth facility |
| 7. Volume of water removed from well 20.2 gal. | The first line of the second were used and were is at solid waste facility: |
| 8. Volume of water added (if any) gal. | solids |
| 9. Source of water added | 15. COD mg/l mg/l |
| 10. Analysis performed on water added? Yes No (If yes, attach results) | 16. Well developed by: Name (first, last) and Firm First Name: Mike Last Name: N. Firm: Tetra Tech. |

17. Additional comments on development:

| Name and Address of Facility Contact /Owner/Responsible Party First Dale Last Konop Name: Dale Name: Konop | I hereby certify that the above information is true and correct to the best of my knowledge. |
|--|---|
| Facility/Firm: <u>Konop Builders</u> Street: 110 BUSN. Hyw 141N | Signature: Mark Mark Print Name: Michael K. Nerl |
| City/State/Zip: Coleman, WI 54112 | Firm: Tetra Tech. |

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin Department of Natural Resources

| SOIL BORING LOG | INFORMATION |
|-----------------|-------------|
| Form 4400-122 | Rev. 7-98 |

Watershed/Wastewater 🔲 Waste Management 🗌 Route To: Remediation/Revelopment D Other Page Boring Number Facility/Project Name License/Permit/Monitoring Number Konop roparty Boring Drilled By: Name of crew chief (first, last) and Firm Date Drilling Started Date Drilling Completed Drilling Method First Name: N Last Name: 18 2010 8,2010 0 Tetra V V ir Ko d d TRCH DNR Well ID No. Well Name Surface Elevation Final Static Water Level Borehole Diameter WI Unique Well No. Feet MSL Feet MSL inches Local Grid Origin (estimated:) Local Grid Location Boring Location OF 0 Lat State Plane \square N ΠE $\frac{5 \mathcal{W}}{\text{Facility ID}} \frac{1/4 \text{ of Section}}{\text{Count}}$ 1 11 0 T 30 N, R 20 E Long Feet D S Feet□ W County County Code Civil Town/City/ or Village Marinette em47 0 Soil Properties Sample Depth in Feet (Below ground surface) Length Att. & Recovered (in) Soil/Rock Description Blow Counts Length Att. RQD/ Comments And Geologic Origin For Compressiv Strength Number and Type PID/FID Moisture Content Plasticity Index Well Diagram USCS Graphic Log Each Major Unit Liquid P 200 AS114 1+ Brown SAndy .5 CL CLA-1 10 Blind Drill -15 Wenthered lime stone Bedrock R 20 25 30 3 EOB I hereby certify that the information on this form is true and correct to the best of my knowledge. Signature Firm 4 etra lech

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

| State of Wisconsin Department of Natural Resources <u>Route to:</u> | Watershed/Wastewater | Waste Management | MONITORING WELL CONSTRUCTION Form 4400-113A Rev. 7-98 |
|--|--|--|--|
| Facility/Project Name | temediation/Redevelopment | Other | Wall Name A |
| Longr Practic | | N. fr | E. P7-7 |
| Facility License, Permit or Monitoring No. | Local Grid Origin D (estimated | ated: ated: box or Well Location | W. Wis Unique Well No. DNR Well ID No. |
| | fat * * * | | |
| Facility ID | St. Plane ft. N | ,ft. E. S, | IC/N Date Well Installed 51 1812010 |
| Type of Well | Section Location of Waste/Sou | irce | E Well Installed By: Name (first, last) and Firm |
| Well Code / | $\underline{\mathcal{S}W}_{1/4}$ of $\underline{\mathcal{S}W}_{1/4}$ of Sec. | 19, T. <u>JO</u> N, RAO | W NICK A. |
| Distance from Waste/ Enf. Stds. | Location of Well Relative to W | aste/Source Gov. Lot Num Sidegradient | ber T/ T/ |
| Sourceft Apply | d Powngradient n | Not Known | Jetra Tech |
| A. Protective pipe, top elevation | ft. MSL | 1. Cap and loc | k? 📑 Yes 🗆 No |
| B. Well casing, top elevation | ft. MSL | 2. Protective of | over pipe: 6 in |
| | 6 6 1/51 | h Length | 0.5 ft |
| C. Land surface elevation | ILMSL | c. Material: | Steel 🏶 0.4 |
| D. Surface seal, bottom ft. MS | SLor O. S. ft. | | Other 🔲 |
| 12. USCS classification of soil near screen | n: | d. Addition | al protection? |
| GP GM GC GW GS | WD SPD | If yes, de | scribe: |
| SM 🗆 SC 🗆 ML 🗆 MH 🗖 🖉 | л сн 🛛 🔪 | | Bentonite $\Box = 3.0$ |
| Bedrock 🖤 | | 3. Surface scal | Concrete C 01 |
| 13. Sieve analysis performed? | Yes 🕰 No | | Other |
| 14. Drilling method used: Rot | tary 🕼 50 | 4. Material bet | ween well casing and protective pipe: |
| Hollow Stem Au | ager 🐺 41 | | Bentonite 💼 30 |
| 0 | ther | | Other 🗆 |
| | | S. Annular sna | ce seal: a. Granular/Chipped Bentonite 33 |
| 15. Drilling fiuid used: Water □ 0 2 | Air 🗆 01 | h Lbs | leal mud weight Bentonite-sand slurry [] 35 |
| Drilling Mud \Box 0.3 B | None 🔊 99 | c. Lbs | /gal mud weight Bentonite slurry D 31 |
| | | d% B | entonite Bentonite-cement grout 50 |
| 16. Drilling additives used? | Yes 🧖 No | e | _Ft ³ volume added for any of the above |
| D | | f. How inst | alled: Tremie 🗆 01 |
| | | | Tremie pumped 🔲 02 |
| 17. Source of water (attach analysis, if requ | nred): | 889 | Gravity 💋 08 |
| | | 6. Bentonite se | eal: a. Bentonite granules 🔲 33 |
| | | ₿ b. □1/4 in | a. $43/8$ in. $\Box 1/2$ in. Bentonite chips $43/2$ |
| E. Bentonite seal, topft, MS | L or ft. | C | Other |
| F. Fine sand, top ft. MS | Lor 25_{ft} | 7. Fine sand m | sterial: Manufacturer, product name & mesh size |
| | | 1 a Red | Flint Sand |
| G. Filter pack, top ft. MS | Lor_26ft. | b. Volume a | addedft ³ |
| U Company laint too | | 8. Filter pack r | naterial: Manufacturer, product name & mesh size |
| H. Screen joint, top II. MS | | a Kec I | FILAT SAAd FF JO |
| I Wall borrow ft MS | | b. Volume | added ft ² |
| | | 9. Well casing: | Elush threaded BVC schedule 20 23 |
| I Filter nack bottom ft MS | Lor 32 ft 1 | | Plush urreaded PVC schedule 80 1 24 |
| | | 10 Screen mate | arial: N/C |
| K. Borehole, bottom ft. MS | $L \text{ or } _{3} $ | a Screen fr | Factory cut 🕮 11 |
| | | | Continuous slot |
| L. Borehole, diameter 6. 0 in | LE22 | | Other 🗆 🗤 |
| m. | | b. Manufact | |
| M. O.D. well casing 2-25 in | | c. Slot size: | . 0.10_in. |
| m. | | d. Slotted le | ength: _5_ ft. |
| N. I.D. well casing d in. | | 11, Backfill mat | terial (below filter pack): None 🖉 14 |
| | | | Other |
| I hereby certify that the information on this | form is true and correct to the h | best of my knowledge. | |
| Signature M | Firm ~ / | - 1 | |
| Mul & May | let. | * lech. | |

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin Department of Natural Resources

MONITORING WELL DEVELOPMENT Form 4400-113B Rev. 7-98

| Route to: Watershed/Wastewater | Waste Management |
|--|--|
| Remediation/Redevelopment | Other |
| Facility/Project Name County Name VONOV Property MA | rinette Well Name P2-7 |
| Facility License, Permit or Monitoring Number County Code | Wis. Unique Well Number DNR Well ID Number |
| 1. Can this well be purged dry? | 11. Depth to Water |
| 2. Well development method | (from top of a, 13.00 ft. 13.80 ft. |
| surged with bailer and bailed 📑 41 | well casing) |
| surged with bailer and pumped \Box 61 | |
| surged with block and bailed 🛛 42 | Date h051/8120/0 051/812010 |
| surged with block and pumped \Box 62 | mm d d y y y y mm d d y y y y |
| surged with block, bailed and pumped 📋 70 | $\int \partial \Box^{a.m.} \int \partial \Box \Box^{a.m.}$ |
| compressed air $\Box 20$ | Time $c. _ \bigcirc : _ \bigcirc \blacksquare p.m. _ \bigcirc : _ \bigcirc \blacksquare p.m.$ |
| bailed only 📋 10 | |
| pumped only \Box 51 | 12. Sediment in well $\underline{/} \underline{/} \underline{/}$ inches $\underline{/} \underline{/}$ inches |
| pumped slowly \Box 5.0 | |
| Other | 13. Water clarity Clear 📋 10 Clear 👺 20 |
| 3. Time spent developing well <u>60</u> min. | (Describe) (Describe) |
| 4. Depth of well (from top of well casisng) 32 , ft. | |
| 5. Inside diameter of well $\underline{\mathcal{A}}, \underline{\mathcal{O}}_{}$ in. | |
| 6. Volume of water in filter pack and well casing gal. | |
| 7. Volume of water removed from well 20.0 gal. | Fill in if drilling fluids were used and well is at solid waste facility: |
| 8. Volume of water added (if any) | 14. Total suspended mg/l mg/l mg/l solids |
| 9. Source of water added | 15. CODmg/lmg/l |
| | 16. Well developed by: Name (first, last) and Firm |
| 10. Analysis performed on water added? | First Name: Mike Last Name: N. |
| | Firm: Tetra Tech. |

17. Additional comments on development:

| Name and Address of Facility Contact /Owner/Responsible Party First Dale Name: Dale Name: Konop | I hereby certify that the above information is true and correct to the best of my knowledge. |
|---|---|
| Facility/Firm: <u>Konop Builders</u> Street: 110 BUSN. Hyw 141N | Signature: Michael K. Nerl |
| City/State/Zip: Coleman, WI 54112 | Firm: Telm Tech. |

NOTE: See instructions for more information including a list of county codes and well type codes.


Appendix C

Analytical Results and Chain of Custody Documentation

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC, AND OURSELVES, ALL TETRA TECH REPORTS ARE SUBMITTED AS THE CONFIDENTIAL INFORMATION OF CLIENTS, AND AUTHORIZATION FOR PUBLICATION OF STATEMENT, CONCLUSIONS OR EXTRACTIONS FROM OR REGARDING OUR REPORTS IS RESERVED PENDING OUR PRIOR WRITTEN APPROVAL.



June 02, 2010

Tetra Tech., Inc. 1837 County Highway 00 Chippewa Falls, WI 54729

Attn: Michael Neal

REPORT NO.: 1005389

PROJECT NO.: Konop Property 114-330854

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received May 21, 2010.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Water Technologies for your analytical needs.

Sincerely,

Siemens Water Technologies

Bruce Schertz

Lab Manager Enviroscan Analytical[™] Services

I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Water Technologies Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Water Technologies Corp. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.

Lames R. Sallowsh Reviewed by:

Certifications: Wisconsin 737053130 Minnesota 055-999-302 Illinois 100317



Siemens Water Technologies Corp.

301 West Military Road Rothschild, WI 54474 Tel: 800-338-7226 Fax: 715-355-3221 www.siemens.com/enviroscan

The total number of pages in this report, including this page is 11.



SAMPLE SUMMARY

| Lab Id | Client Sample Id | Date/Time | Matrix |
|------------|------------------|----------------|--------------|
| 1005389-01 | MW-3 | 05/18/10 13:15 | Ground Water |
| 1005389-02 | PZ-3 | 05/18/10 13:30 | Ground Water |
| 1005389-03 | MW-10 | 05/18/10 15:30 | Ground Water |
| 1005389-04 | PZ-5 | 05/18/10 15:45 | Ground Water |
| 1005389-05 | MW-F | 05/18/10 14:00 | Ground Water |
| 1005389-06 | PZ-4 | 05/18/10 14:15 | Ground Water |
| 1005389-07 | PZ-2 | 05/18/10 14:45 | Ground Water |
| 1005389-08 | MW-11 | 05/18/10 12:30 | Ground Water |
| 1005389-09 | PZ-6 | 05/18/10 12:45 | Ground Water |
| 1005389-10 | MW-12 | 05/18/10 18:45 | Ground Water |
| 1005389-11 | PZ-7 | 05/18/10 18:45 | Ground Water |
| 1005389-12 | Trip Blank | 05/18/10 00:00 | Water |
| | | | |

Tetra Tech., Inc. 1837 County Highway 00 Chippewa Falls, WI 54729

Attn: Michael Neal

PROJECT NO.: Konop Property 114-330854 REPORT NO. : 1005389 DATE REC'D: 05/21/10 16:57 REPORT DATE : 06/02/10 10:51 PREPARED BY : BMS

| Sample ID: MW-3 | Matrix: Groun | Sample | e Date/Tir | ne: 05/1 | 8/10 13:15 | Lab No. : 1005389-01 | | |
|------------------------------------|----------------|--------------|------------|----------|---------------------------|----------------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | <u>Qualifiers</u> | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 6020 - Diss. Dissolved Lead | ND | ug/L | 0.60 | 4.00 | 2 | | 05/24/10 | JCH |
| EPA 8260B | | | | 1 | | | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 05/27/10 | MPM |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| Benzene | 0.64 | ug/L | 0.20 | 0.67 | 1 | J | 05/27/10 | MPM |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 05/27/10 | MPM |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 05/27/10 | MPM |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 05/27/10 | MPM |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 05/27/10 | MPM |

| Matrix: Ground Water | | Sample | e Date/Tir | me: 05/1 | 8/10 13:30 | Lab No.: 1005389-02 | |
|----------------------|---------------|--|---|--|---|--|---|
| <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | <u>Qualifiers</u> | Date <u>Analyzed</u> | <u>Analyst</u> |
| ND | ug/L | 0.60 | 4.00 | 2 | | 05/24/10 | JCH |
| ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| ND | ug/L | 0.30 | 1.00 | 1 | | 05/27/10 | MPM |
| ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| 1.71 | ug/L | 0.20 | 0.67 | 1 | S1H, S2H | 05/27/10 | MPM |
| ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| ND | ug/L | 0.40 | 1.30 | 1 | DUP | 05/27/10 | MPM |
| ND | ug/L | 0.50 | 1.70 | 1 | S1H, S2H | 05/27/10 | MPM |
| ND | ug/L | 1.00 | 3.30 | 1 | | 05/27/10 | MPM |
| ND | ug/L | 0.20 | 0.67 | 1 | DUP | 05/27/10 | MPM |
| ND | ug/L | 0.40 | 1.30 | 1 | | 05/27/10 | MPM |
| | Matrix: Groun | Matrix: Ground WaterResultsUnitsNDug/L | Matrix: Ground WaterSampleResultsUnitsLODNDug/L0.60NDug/L0.20NDug/L0.30NDug/L0.201.71ug/L0.201.71ug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.50NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20 | Matrix: Ground Water Sample Date/Tir Results Units LOD LOQ ND ug/L 0.60 4.00 ND ug/L 0.60 4.00 ND ug/L 0.30 1.00 ND ug/L 0.20 0.67 ND ug/L 0.40 1.30 ND ug/L 0.40 3.30 ND ug/L 0.20 0.67 ND ug/L 0.20 0.67 ND ug/L 0.20 0.67 ND ug/L 0.20 0.67 ND ug/L < | Matrix: Ground Water Sample Date/Time: 05/13 Results Units LOD LOQ Dilution Factor ND ug/L 0.60 4.00 2 ND ug/L 0.20 0.67 1 ND ug/L 0.40 1.30 1 ND ug/L 1.00 3.30 1 ND ug/L 0.20 0.67 1 ND ug/L 0.20 0.67 1 ND ug/L 0.20 0.67 1 ND ug/L | Matrix: Ground WaterSample Date/Time:05/18/1013:30ResultsUnitsLODLOQFactorQualifiersNDug/L0.60 4.00 2NDug/L0.200.671NDug/L0.301.001NDug/L0.200.671NDug/L0.200.671NDug/L0.200.671NDug/L0.200.671NDug/L0.200.671NDug/L0.200.671NDug/L0.200.671NDug/L0.401.301NDug/L0.200.671NDug/L0.501.701S1H, S2HNDug/L0.200.671DUPNDug/L0.200.671DUPNDug/L0.200.671DUPNDug/L0.200.671DUPNDug/L0.200.671DUPNDug/L0.200.671DUPNDug/L0.200.671DUPNDug/L0.200.671DUPNDug/L0.200.671DUPNDug/L0.200.671DUPNDug/L0.200.671DUPNDug/L0.40 </td <td>Matrix: Ground Water Sample Date/Time: 05/18/10 13:30 Lab No. : 1 Results Units LOD LOQ Factor Qualifiers Date Analyzed ND ug/L 0.60 4.00 2 05/24/10 05/24/10 ND ug/L 0.20 0.67 1 05/27/10 05/27/10 ND ug/L 0.40 1.30 1 DUP 05/27/10 ND ug/L 0.50 1.70 1 S1H, S2H 05/27/10 ND ug/L 0.20 0.67</td> | Matrix: Ground Water Sample Date/Time: 05/18/10 13:30 Lab No. : 1 Results Units LOD LOQ Factor Qualifiers Date Analyzed ND ug/L 0.60 4.00 2 05/24/10 05/24/10 ND ug/L 0.20 0.67 1 05/27/10 05/27/10 ND ug/L 0.40 1.30 1 DUP 05/27/10 ND ug/L 0.50 1.70 1 S1H, S2H 05/27/10 ND ug/L 0.20 0.67 |



Attn: Michael Neal

| Sample ID: MW-10 | Matrix: Grour | nd Water | Sample | e Date/Ti | me: 05/1 | 8/10 15:30 | Lab No. : 1 | 005389-03 |
|-------------------------|----------------|--------------|--------|------------|---------------------------|-------------------|-------------------------|------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | <u>Qualifiers</u> | Date <u>Analyzed</u> | Analyst |
| EPA 6020 - Diss. | | | | | | | | |
| Dissolved Lead | ND | ug/L | 0.60 | 4.00 | 2 | | 05/24/10 | JCH |
| | | | | | | | | |
| EPA 8260B | | ug/l | 0.20 | 0.67 | 1 | | 05/27/10 | |
| 1.2 Dichloroothano | ND | ug/L | 0.20 | 1.00 | 1 | | 05/27/10 | |
| | | ug/L | 0.30 | 0.67 | 1 | | 05/27/10 | |
| Popzono | ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | |
| Ethylbonzono | ND | ug/L | 0.20 | 0.07 | 1 | | 05/27/10 | |
| | ND | ug/L | 0.20 | 0.07 | 1 | | 05/27/10 | |
| Methyl test Butul Ether | ND | ug/L | 0.40 | 1.30 | 4 | | 05/27/10 | |
| Nechthelene | ND | ug/L | 0.50 | 1.70 | 1 | | 05/27/10 | |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 05/27/10 | MPM |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 05/27/10 | MPM |
| | | | | | | | | |
| Sample ID: PZ-5 | Matrix: Grour | nd Water | Sample | e Date/Tir | me: 05/1 | 8/10 15:45 | Lab No. : 1 | 1005389-04 |
| | | | | | Dilution | | Date | |
| | Results | <u>Units</u> | LOD | LOQ | Factor | Qualifiers | Analyzed | Analyst |
| EPA 6020 - Diss. | | | | | | | | |
| Dissolved Lead | ND | ug/L | 0.60 | 4.00 | 2 | | 05/24/10 | JCH |
| | | | | | | | | |

| | | | | - | - | | | |
|-------------------------|------|------|------|------|---|---|----------|-----|
| EPA 6020 - Diss. | | | | | | | | |
| Dissolved Lead | ND | ug/L | 0.60 | 4.00 | 2 | | 05/24/10 | JCH |
| | | | | | | | | |
| <u>EPA 8260B</u> | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| 1,2-Dichloroethane | 0.30 | ug/L | 0.30 | 1.00 | 1 | J | 05/27/10 | MPM |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 05/27/10 | MPM |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 05/27/10 | MPM |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 05/27/10 | MPM |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/27/10 | MPM |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 05/27/10 | MPM |
| | | | | | | | | |



Attn: Michael Neal

| Sample ID: MW-F | Matrix: Groun | d Water | Sample | e Date/Tir | me: 05/1 | 8/10 14:00 | Lab No. : · | Lab No.: 1005389-05 | |
|-------------------------|---------------|--------------|--------|------------|---------------------------|------------|-------------------------|---------------------|--|
| | Results | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> | |
| EPA 6020 - Diss. | | | | | | | | | |
| Dissolved Lead | 4.15 | ug/L | 0.60 | 4.00 | 2 | | 05/24/10 | JCH | |
| | | | | | | | | | |
| EPA 8260B | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 1360 | ug/L | 20.0 | 67.0 | 100 | | 05/27/10 | MPM | |
| 1,2-Dichloroethane | 45.8 | ug/L | 30.0 | 100 | 100 | J | 05/27/10 | MPM | |
| 1,3,5-Trimethylbenzene | 302 | ug/L | 20.0 | 67.0 | 100 | | 05/27/10 | MPM | |
| Benzene | 2030 | ug/L | 20.0 | 67.0 | 100 | | 05/27/10 | MPM | |
| Ethylbenzene | 2540 | ug/L | 20.0 | 67.0 | 100 | | 05/27/10 | MPM | |
| m,p-Xylenes | 6480 | ug/L | 40.0 | 130 | 100 | | 05/27/10 | MPM | |
| Methyl-tert-Butyl Ether | ND | ug/L | 50.0 | 170 | 100 | | 05/27/10 | MPM | |
| Naphthalene | 378 | ug/L | 100 | 330 | 100 | | 05/27/10 | MPM | |
| o-Xylene | 2400 | ug/L | 20.0 | 67.0 | 100 | | 05/27/10 | MPM | |
| Toluene | 9220 | ug/L | 40.0 | 130 | 100 | | 05/27/10 | MPM | |
| | | | | | | | | | |

| Sample ID: PZ-4 | Matrix: Ground Water | | Sample | e Date/Tir | me: 05/1 | 8/10 14:15 | Lab No.: 1005389-06 | |
|------------------------------------|----------------------|--------------|--------|------------|---------------------------|------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 6020 - Diss. Dissolved Lead | ND | ug/L | 0.60 | 4.00 | 2 | | 05/24/10 | JCH |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | 803 | ug/L | 10.0 | 33.5 | 50 | | 05/28/10 | MPM |
| 1,2-Dichloroethane | 25.4 | ug/L | 15.0 | 50.0 | 50 | J | 05/28/10 | MPM |
| 1,3,5-Trimethylbenzene | 670 | ug/L | 10.0 | 33.5 | 50 | | 05/28/10 | MPM |
| Benzene | 1010 | ug/L | 10.0 | 33.5 | 50 | | 05/28/10 | MPM |
| Ethylbenzene | 1270 | ug/L | 10.0 | 33.5 | 50 | | 05/28/10 | MPM |
| m,p-Xylenes | 2950 | ug/L | 20.0 | 65.0 | 50 | | 05/28/10 | MPM |
| Methyl-tert-Butyl Ether | ND | ug/L | 25.0 | 85.0 | 50 | | 05/28/10 | MPM |
| Naphthalene | 226 | ug/L | 50.0 | 165 | 50 | | 05/28/10 | MPM |
| o-Xylene | 1010 | ug/L | 10.0 | 33.5 | 50 | | 05/28/10 | MPM |
| Toluene | 2380 | ug/L | 20.0 | 65.0 | 50 | | 05/28/10 | MPM |
| | | | | | | | | |

Tetra Tech., Inc. 1837 County Highway 00 Chippewa Falls, WI 54729

Attn: Michael Neal

| Sample ID: PZ-2 | Matrix: Groun | d Water | Sample | e Date/Tir | ne: 05/1 | 8/10 14:45 | Lab No.: 1005389-07 | |
|-------------------------|----------------|--------------|--------|------------|---------------------------|------------|-------------------------|------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | Analyst |
| EPA 6020 - Diss. | | | | | | | | |
| Dissolved Lead | ND | ug/L | 0.60 | 4.00 | 2 | | 05/24/10 | JCH |
| | | | | | | | | |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | 76.8 | ug/L | 2.00 | 6.70 | 10 | | 06/01/10 | MPM |
| 1,2-Dichloroethane | 6.01 | ug/L | 3.00 | 10.0 | 10 | J | 06/01/10 | MPM |
| 1,3,5-Trimethylbenzene | 55.2 | ug/L | 2.00 | 6.70 | 10 | | 06/01/10 | MPM |
| Benzene | 235 | ug/L | 2.00 | 6.70 | 10 | | 06/01/10 | MPM |
| Ethylbenzene | 240 | ug/L | 2.00 | 6.70 | 10 | | 06/01/10 | MPM |
| m,p-Xylenes | 130 | ug/L | 4.00 | 13.0 | 10 | | 06/01/10 | MPM |
| Methyl-tert-Butyl Ether | ND | ug/L | 5.00 | 17.0 | 10 | | 06/01/10 | MPM |
| Naphthalene | 25.4 | ug/L | 10.0 | 33.0 | 10 | J | 06/01/10 | MPM |
| o-Xylene | 19.5 | ug/L | 2.00 | 6.70 | 10 | | 06/01/10 | MPM |
| Toluene | 45.5 | ug/L | 4.00 | 13.0 | 10 | | 06/01/10 | MPM |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Sample ID: MW-11 | Matrix: Groun | d Water | Sample | e Date/Tir | ne: 05/1 | 8/10 12:30 | Lab No. : | 1005389-08 |

| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | <u>Qualifiers</u> | Date <u>Analyzed</u> | Analyst |
|-------------------------|----------------|--------------|------|------|---------------------------|-------------------|-------------------------|---------|
| EPA 6020 - Diss. | | | | | | | | |
| Dissolved Lead | ND | ug/L | 0.60 | 4.00 | 2 | | 05/24/10 | JCH |
| EDA 9260B | | | | | | | | |
| 1 2 4-Trimethylbenzene | ND | ua/l | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 05/28/10 | MPM |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 05/28/10 | MPM |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 05/28/10 | MPM |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 05/28/10 | MPM |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 05/28/10 | MPM |
| | | | | | | | | |

Tetra Tech., Inc. 1837 County Highway 00 Chippewa Falls, WI 54729

Attn: Michael Neal

| Sample ID: PZ-6 | Matrix: Groun | Sample | e Date/Tir | ne: 05/1 | 8/10 12:45 | Lab No. : 1005389-09 | | |
|---|----------------|--------------|------------|----------|---------------------------|-----------------------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | <u>Qualifiers</u> | Date <u>Analyzed</u> | <u>Analyst</u> |
| <u>EPA 6020 - Diss.</u> Dissolved Lead | 2.00 | ug/L | 0.60 | 4.00 | 2 | J | 05/24/10 | JCH |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | 0.24 | ug/L | 0.20 | 0.67 | 1 | J | 05/28/10 | MPM |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 05/28/10 | MPM |
| 1,3,5-Trimethylbenzene | 0.21 | ug/L | 0.20 | 0.67 | 1 | J | 05/28/10 | MPM |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 05/28/10 | MPM |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 05/28/10 | MPM |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 05/28/10 | MPM |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 05/28/10 | MPM |

| Matrix: Ground Water | | Sample | e Date/Tin | ne: 05/1 | 8/10 18:45 | Lab No.: 1005389-10 | |
|----------------------|---|--|--|--|---|--|---|
| <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| | | | | | | | |
| 1.33 | ug/L | 0.60 | 4.00 | 2 | J | 05/24/10 | JCH |
| | | | | | | | |
| 298 | ug/L | 2.00 | 6.70 | 10 | | 05/28/10 | MPM |
| ND | ug/L | 3.00 | 10.0 | 10 | | 05/28/10 | MPM |
| 207 | ug/L | 2.00 | 6.70 | 10 | | 05/28/10 | MPM |
| ND | ug/L | 2.00 | 6.70 | 10 | | 05/28/10 | MPM |
| 58.1 | ug/L | 2.00 | 6.70 | 10 | | 05/28/10 | MPM |
| 152 | ug/L | 4.00 | 13.0 | 10 | | 05/28/10 | MPM |
| ND | ug/L | 5.00 | 17.0 | 10 | | 05/28/10 | MPM |
| 28.6 | ug/L | 10.0 | 33.0 | 10 | J | 05/28/10 | MPM |
| 36.8 | ug/L | 2.00 | 6.70 | 10 | | 05/28/10 | MPM |
| 12.9 | ug/L | 4.00 | 13.0 | 10 | J | 05/28/10 | MPM |
| | Matrix: Groun <u>Results</u> 1.33 298 ND 207 ND 207 ND 58.1 152 ND 28.6 36.8 12.9 | ResultsUnits1.33ug/L1.33ug/L298ug/LNDug/L207ug/L207ug/L58.1ug/L152ug/LNDug/L36.8ug/L12.9ug/L | Matrix: Ground Water Sample Results Units LOD 1.33 ug/L 0.60 298 ug/L 0.60 ND ug/L 3.00 207 ug/L 2.00 ND ug/L 2.00 ND ug/L 2.00 58.1 ug/L 2.00 152 ug/L 4.00 ND ug/L 5.00 28.6 ug/L 10.0 36.8 ug/L 2.00 12.9 ug/L 4.00 | Matrix: Ground Water Sample Date/Tir Results Units LOD LOQ 1.33 ug/L 0.60 4.00 298 ug/L 0.60 4.00 298 ug/L 3.00 10.0 207 ug/L 2.00 6.70 ND ug/L 2.00 6.70 ND ug/L 2.00 6.70 152 ug/L 2.00 13.0 ND ug/L 5.00 17.0 28.6 ug/L 10.0 33.0 36.8 ug/L 2.00 6.70 12.9 ug/L 4.00 13.0 | Matrix: Ground Water Sample Date/Time: 05/1 Results Units LOD LOQ Dilution Factor 1.33 ug/L 0.60 4.00 2 298 ug/L 2.00 6.70 10 ND ug/L 3.00 10.0 10 207 ug/L 2.00 6.70 10 ND ug/L 2.00 6.70 10 58.1 ug/L 2.00 6.70 10 152 ug/L 2.00 6.70 10 ND ug/L 5.00 17.0 10 28.6 ug/L 5.00 17.0 10 28.6 ug/L 2.00 6.70 10 12.9 ug/L 4.00 13.0 10 | Matrix: Ground Water Sample Date/Time: 05/18/10 18:45 Results Units LOD LOQ Factor Qualifiers 1.33 ug/L 0.60 4.00 2 J 298 ug/L 2.00 6.70 10 J 298 ug/L 2.00 6.70 10 J 207 ug/L 2.00 6.70 10 J 207 ug/L 2.00 6.70 10 J 58.1 ug/L 2.00 6.70 10 J 152 ug/L 2.00 6.70 10 J 152 ug/L 5.00 17.0 10 J 28.6 ug/L 5.00 17.0 10 J 36.8 ug/L 2.00 6.70 10 J 36.8 ug/L 2.00 6.70 10 J 36.8 ug/L 2.00 6.70 10 J <td>Matrix: Ground Water Sample Date/Time: 05/18/10 18:45 Lab No. : 1 Results Units LOD LOQ Factor Qualifiers Date Analyzed 1.33 ug/L 0.60 4.00 2 J 05/24/10 298 ug/L 2.00 6.70 10 05/28/10 ND ug/L 3.00 10.0 10 05/28/10 207 ug/L 2.00 6.70 10 05/28/10 ND ug/L 2.00 6.70 10 05/28/10 58.1 ug/L 2.00 6.70 10 05/28/10 152 ug/L 2.00 6.70 10 05/28/10 152 ug/L 5.00 17.0 10 05/28/10 ND ug/L 5.00 17.0 10 05/28/10 28.6 ug/L 10.0 33.0 10 J 05/28/10 36.8 ug/L 2.00 6.70 <td< td=""></td<></td> | Matrix: Ground Water Sample Date/Time: 05/18/10 18:45 Lab No. : 1 Results Units LOD LOQ Factor Qualifiers Date Analyzed 1.33 ug/L 0.60 4.00 2 J 05/24/10 298 ug/L 2.00 6.70 10 05/28/10 ND ug/L 3.00 10.0 10 05/28/10 207 ug/L 2.00 6.70 10 05/28/10 ND ug/L 2.00 6.70 10 05/28/10 58.1 ug/L 2.00 6.70 10 05/28/10 152 ug/L 2.00 6.70 10 05/28/10 152 ug/L 5.00 17.0 10 05/28/10 ND ug/L 5.00 17.0 10 05/28/10 28.6 ug/L 10.0 33.0 10 J 05/28/10 36.8 ug/L 2.00 6.70 <td< td=""></td<> |



| Attn: Michael Neal | | | | INLIA | | DIVIS | | |
|-------------------------|----------------|--------------|------------|----------|---------------------------|----------------------|-------------------------|----------------|
| Sample ID: PZ-7 | Matrix: Groun | Sample | e Date/Tir | me: 05/1 | 8/10 18:45 | Lab No. : 1005389-11 | | |
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 6020 - Diss. | | | | | | | | |
| Dissolved Lead | ND | ug/L | 0.60 | 4.00 | 2 | | 05/24/10 | JCH |
| | | | | | | | | |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | 9.82 | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 05/28/10 | MPM |
| 1,3,5-Trimethylbenzene | 10.2 | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| Benzene | 0.56 | ug/L | 0.20 | 0.67 | 1 | J | 05/28/10 | MPM |
| Ethylbenzene | 2.22 | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| m,p-Xylenes | 10.3 | ug/L | 0.40 | 1.30 | 1 | | 05/28/10 | MPM |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 05/28/10 | MPM |
| Naphthalene | 1.53 | ug/L | 1.00 | 3.30 | 1 | J | 05/28/10 | MPM |
| o-Xylene | 2.99 | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| Toluene | 1.16 | ug/L | 0.40 | 1.30 | 1 | J | 05/28/10 | MPM |

| Sample ID: Trip Blank | Matrix: Water | | Sample | e Date/Tin | ne: 05/1 | Lab No.: 1005389-12 | | |
|-------------------------|----------------|--------------|--------|------------|---------------------------|---------------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 05/28/10 | MPM |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 05/28/10 | MPM |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 05/28/10 | MPM |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 05/28/10 | MPM |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 05/28/10 | MPM |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 05/28/10 | MPM |

Qualifier Descriptions

| S2H | Second sample matrix spike recovery was high. |
|-----|--|
| S1H | First sample matrix spike recovery was high. |
| J | Estimated concentration below laboratory quantitation level. |
| DUP | Result of duplicate analysis in this quality assurance batch exceeds the limits for precision. |

Definitions

LOD = Limit of Detection (Dilution Corrected) LOQ = Limit of Quanitation (Dilution Corrected) Reporting Limit = LOQ (Dilution Corrected) ND = Not Detected COMP = Complete SUBCON = Subcontracted analysis mv = millivolts pci/L = picocuries per Liter mL/L = milliliters per Liter mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021methanol and WI DNR methylene chloride preserved soils. ug/I = Micrograms per Liter = parts per billion (ppb) ug/kg = Micrograms per kilogram = parts per billion (ppb) mg/I = Milligrams per liter = parts per million (ppm) mg/kg = Milligrams per kilogram = parts per million (ppm) NOT PRES = Not Present ppth = Parts per thousand * = Result outside established limits. mg/M3 = Milligrams per meter cubed ng/L = Nanograms per Liter = Parts per trillion(ppt) > = Greater Than

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.

10f2

| Company Name | Tedra Tech | | | Proje | Project KONOD Proverty 114-330854 | | | | | | | |
|--|--|---|---------------------------------|----------|-----------------------------------|-----------------|--|----------------------------|--|--|--|--|
| Report Mailing Ac | dress HOO | | | Cont | Contact Name, Phone, Fax, Email | | | | | | | |
| CF, | WI 54 | 1729 | | / | nichas | 1. Nerla | PK | tra tech. com | | | | |
| Invoice Address | | | | Purc | hase Orde | r# | Invoice C | Contact and Phone No. | | | | |
| | | | | | | | | | | | | |
| Matrix: Drinking W | ater Groundwater | Wastewater Soil/Solid | Other: | | Ana | lyses Requested | | Lab Use Only | | | | |
| Wis. PECFA Project subject to U&C? Yes No For Compliance Monitoring? Yes No (If Yes, please specify Agency or Regulation) Agency/Reg.: | | | 3004 | 3004 | | | Delivered by Walk-in Courie Ship. Cont. Ok? C N NA Samples Leaking? Y D NA Seals OK? C N NA Rec'd on Ice? C N NA | er) Dunna | | | | |
| Turnaround Req | Luest: Normal (1 [] Rush (Mu Date Needed | 0 Bus. Days) st be pre-approved by La : | ab and is subject to surcharges | Maph + 1 | F | | | Sample Receiving Comments: | | | | |
| WO No. 100 | 5387 | <u>870</u> | | | 4 | | | | | | | |
| Lab Use Only E | Sample Date Time | No. of Containers Comp Grab | Sample ID | DNOI | 16 | | | Comments | | | | |
| -01 5-1 | 5-10 115 | 4 | MW.3 | 7 | \mathbf{k} | | | 250ml pl HNO3 | | | | |
| -02 | 1 /30 | 4 | P2-3 | 7 | × | | | 3 mals HCL | | | | |
| -03 | 330 | 4 | MW-10 | 7 | F | | | | | | | |
| -04 | 345 | 4 | P2-5 | x | x | | | | | | | |
| -05 | 200 | 4 | MW-F | × | x | | | | | | | |
| -06 | 215 | 4 | P2-4 | 7 | r | | | | | | | |
| | | | sales 8 | | | | | NO SAMPLE DW | | | | |
| -07 | 245 | 4 | PZ-2 | 7 | 7 | | | | | | | |
| -08 | 1230 | 4 | m/2 11 | 17 | オ | | | | | | | |
| -09 | 1245 | 4 | P2-6 | 7 | X | | | | | | | |
| Ch | ain of Custody Record | | | 1 | | Date | Time | Received By: Don hom | | | | |
| | | 0 | | | Dethershi | 5/21/10 | 10:57 | Manah Kramts | | | | |

| MENS | 2072 |
|---|---|
| Company Name Tetm Tech Report Mailing Address 1837 CF# OO CF, WZ 54729 Invoice Address | Project <u>Konop</u> <u>Property</u> 114-330854 Contact Name, Phone, Fax, Email <u>Michael. Newla tetro tech. scm</u> Purchase Order # Invoice Contact and Phone No. |
| Matrix: Drinking Water Coundwater Wastewater Soil/Solid Other: Wis. PECFA Project subject to U&C? Yes Yes Yes Yes For Compliance Monitoring? Yes Yes State: | Analyses Requested Lab Use Only Delivered by: Walk-in Ship. Cont. OK? N NA Samples Leaking? \mathcal{O} N NA Samples Leaking? \mathcal{O} N NA Seals OK? \mathcal{O} N NA Sample Receiving Comments: 3.2° C N NA X Imake Mitting Imake Mitting Imake Mitting X Imake Mitting I |
| Chain of Custody Record | Date Time Received By: 500-10 5-30 Dentron 5/21/10 16:57 Mawah K Permb |



October 18, 2010

Tetra Tech., Inc. 1837 County Highway 00 Chippewa Falls, WI 54729

Attn: Michael Neal

REPORT NO.: 1010105

PROJECT NO.: Konop Property 114-330854

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received October 6, 2010.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Water Technologies for your analytical needs.

Sincerely,

Siemens Water Technologies

amesh. Salkows -

James Salkowski Lab Director Enviroscan Analytical[™] Services

I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Water Technologies Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Water Technologies Corp. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.

Reviewed by: mal /www

Certifications: Wisconsin 737053130 Minnesota 055-999-302 Illinois 100317



Siemens Water Technologies Corp.

301 West Military Road Rothschild, WI 54474

Tel: 800-338-7226 Fax: 715-355-3221 www.siemens.com/enviroscan

The total number of pages in this report, including this page is 14.

SAMPLE SUMMARY

| Lab Id | Client Sample Id | Date/Time | Matrix |
|------------|------------------|----------------|--------------|
| 1010105-01 | MW-3 | 10/06/10 09:10 | Ground Water |
| 1010105-02 | PZ-3 | 10/06/10 08:55 | Ground Water |
| 1010105-03 | MW-10 | 10/06/10 09:30 | Ground Water |
| 1010105-04 | PZ-5 | 10/06/10 09:50 | Ground Water |
| 1010105-05 | MW-F | 10/06/10 10:35 | Ground Water |
| 1010105-06 | PZ-4 | 10/06/10 10:15 | Ground Water |
| 1010105-07 | MW-8 | 10/06/10 11:05 | Ground Water |
| 1010105-08 | PZ-2 | 10/06/10 11:15 | Ground Water |
| 1010105-09 | MW-11 | 10/06/10 12:45 | Ground Water |
| 1010105-10 | PZ-6 | 10/06/10 13:00 | Ground Water |
| 1010105-11 | MW-12 | 10/06/10 12:00 | Ground Water |
| 1010105-12 | PZ-7 | 10/06/10 12:15 | Ground Water |
| 1010105-13 | Trip Blank | 10/06/10 00:00 | Water |



Attn: Michael Neal

PROJECT NO. : Konop Property 114-330854 REPORT NO. : 1010105 DATE REC'D: 10/06/10 15:30 REPORT DATE : 10/18/10 08:34 PREPARED BY : JRS

| Sample ID: MW-3 | Matrix: Ground Water | | Sample | e Date/Tir | Lab No.: 1010105-01 | | | |
|-------------------------|----------------------|--------------|--------|------------|---------------------------|------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |

| Sample ID: PZ-3 | Matrix: Groun | d Water | Sample | e Date/Tir | Lab No.: 1010105-02 | | | |
|-------------------------|----------------|--------------|--------|------------|---------------------|------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution Factor | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |

Tetra Tech., Inc. 1837 County Highway 00 Chippewa Falls, WI 54729

Attn: Michael Neal Sample ID: MW-10

PROJECT NO. : Konop Property 114-330854 REPORT NO. : 1010105 DATE REC'D: 10/06/10 15:30 REPORT DATE : 10/18/10 08:34 PREPARED BY : JRS

Lab No. : 1010105-03

Sample Date/Time: 10/06/10 9:30

| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
|-------------------------|----------------|--------------|------|------|---------------------------|------------|-------------------------|----------------|
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| | | | | | | | | |

Matrix: Ground Water

| Sample ID: PZ-5 | Matrix: Grour | Matrix: Ground Water | | e Date/Tir | Lab No. : 1010105-04 | | | |
|-------------------------|----------------|----------------------|------|------------|-----------------------------|------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution Factor | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| | | | | | | | | |



Attn: Michael Neal

| Sample ID: MW-F | Matrix: Ground Water | | Sample | e Date/Tin | ne: 10/0 | 6/10 10:35 | Lab No.: 1010105-05 | |
|------------------------------------|----------------------|--------------|--------|------------|---------------------------|------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 6020 - Diss. Dissolved Lead | 3.82 | ug/L | 0.60 | 4.00 | 2 | J | 10/14/10 | JCH |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | 1360 | ug/L | 20.0 | 67.0 | 100 | | 10/07/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 30.0 | 100 | 100 | | 10/07/10 | MRD |
| 1,3,5-Trimethylbenzene | 312 | ug/L | 20.0 | 67.0 | 100 | | 10/07/10 | MRD |
| Benzene | 1690 | ug/L | 20.0 | 67.0 | 100 | | 10/07/10 | MRD |
| Ethylbenzene | 2060 | ug/L | 20.0 | 67.0 | 100 | | 10/07/10 | MRD |
| m,p-Xylenes | 6140 | ug/L | 40.0 | 130 | 100 | | 10/07/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 50.0 | 170 | 100 | | 10/07/10 | MRD |
| Naphthalene | 419 | ug/L | 100 | 330 | 100 | | 10/07/10 | MRD |
| o-Xylene | 2270 | ug/L | 20.0 | 67.0 | 100 | | 10/07/10 | MRD |
| Toluene | 9150 | ug/L | 40.0 | 130 | 100 | | 10/07/10 | MRD |

| Sample ID: PZ-4 | Matrix: Groun | d Water | Sample | Date/Tir | Lab No.:1010105-06 | | | |
|-------------------------|----------------|--------------|--------|----------|---------------------------|------------|-------------------------|---------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | Analyst |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | 704 | ug/L | 10.0 | 33.5 | 50 | | 10/07/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 15.0 | 50.0 | 50 | | 10/07/10 | MRD |
| 1,3,5-Trimethylbenzene | 158 | ug/L | 10.0 | 33.5 | 50 | | 10/07/10 | MRD |
| Benzene | 941 | ug/L | 10.0 | 33.5 | 50 | | 10/07/10 | MRD |
| Ethylbenzene | 1090 | ug/L | 10.0 | 33.5 | 50 | | 10/07/10 | MRD |
| m,p-Xylenes | 2620 | ug/L | 20.0 | 65.0 | 50 | | 10/07/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 25.0 | 85.0 | 50 | | 10/07/10 | MRD |
| Naphthalene | 234 | ug/L | 50.0 | 165 | 50 | | 10/07/10 | MRD |
| o-Xylene | 959 | ug/L | 10.0 | 33.5 | 50 | | 10/07/10 | MRD |
| Toluene | 3140 | ug/L | 20.0 | 65.0 | 50 | | 10/07/10 | MRD |



Attn: Michael Neal

| Sample ID: MW-8 | Matrix: Ground Water Sample Date/Time: 10/06/10 1 | | 6/10 11:05 | 11:05 Lab No. : 1010105 | | | | |
|------------------------------------|---|--------------|------------|-------------------------|---------------------------|------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | <u>LOQ</u> | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 6020 - Diss. Dissolved Lead | ND | ug/L | 0.60 | 4.00 | 2 | | 10/14/10 | JCH |
| EPA 8260B | | | | | | | 10/07/10 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| | | | | | | | | |

| Sample ID: PZ-2 | Matrix: Groun | Sample | e Date/Tir | me: 10/0 | Lab No.: 1010105-08 | | | |
|-------------------------|----------------|--------------|------------|----------|---------------------|------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution Factor | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | 52.8 | ug/L | 2.00 | 6.70 | 10 | | 10/07/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 3.00 | 10.0 | 10 | | 10/07/10 | MRD |
| 1,3,5-Trimethylbenzene | 18.6 | ug/L | 2.00 | 6.70 | 10 | | 10/07/10 | MRD |
| Benzene | 377 | ug/L | 2.00 | 6.70 | 10 | | 10/07/10 | MRD |
| Ethylbenzene | 142 | ug/L | 2.00 | 6.70 | 10 | | 10/07/10 | MRD |
| m,p-Xylenes | 86.7 | ug/L | 4.00 | 13.0 | 10 | | 10/07/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 5.00 | 17.0 | 10 | | 10/07/10 | MRD |
| Naphthalene | 36.6 | ug/L | 10.0 | 33.0 | 10 | | 10/07/10 | MRD |
| o-Xylene | 17.8 | ug/L | 2.00 | 6.70 | 10 | | 10/07/10 | MRD |
| Toluene | 51.3 | ug/L | 4.00 | 13.0 | 10 | | 10/07/10 | MRD |



Attn: Michael Neal

| Sample ID: MW-11 | Matrix: Groun | d Water | Sample | Date/Tir | 6/10 12:45 | Lab No.: 1010105-09 | | |
|-------------------------|----------------|--------------|--------|----------|---------------------------|---------------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| | | | | | | | | |

| Sample ID: PZ-6 | Matrix: Groun | Sample | e Date/Tir | me: 10/0 | Lab No.: 1010105-10 | | | |
|-------------------------|---------------|--------------|------------|----------|---------------------------|------------|-------------------------|----------------|
| | Results | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| <u>EPA 6020 - Diss.</u> | | | | | · · · | | | |
| Dissolved Lead | ND | ug/L | 0.60 | 4.00 | 2 | | 10/14/10 | JCH |
| | | | | | | | | |
| <u>EPA 8260B</u> | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |



Attn: Michael Neal

| Sample ID: MW-12 | Matrix: Groun | Sample Date/Time: 1 | | | 6/10 12:00 | Lab No.: 1010105-11 | | |
|------------------------------------|----------------|---------------------|------|------|---------------------------|---------------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 6020 - Diss. Dissolved Lead | 1.11 | ug/L | 0.60 | 4.00 | 2 | J | 10/14/10 | JCH |
| EPA 8260B | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/08/10 | MRD |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 1.70 | 1 | | 10/08/10 | MRD |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD |
| 1,1,2-Trichloroethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD |
| 1,1-Dichloroethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD |
| 1,1-Dichloroethylene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD |
| 1,1-Dichloropropylene | ND | ug/L | 0.80 | 2.70 | 1 | | 10/08/10 | MRD |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 1.70 | 1 | | 10/08/10 | MRD |
| 1,2,3-Trichloropropane | ND | ug/L | 1.00 | 3.30 | 1 | | 10/08/10 | MRD |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 1.70 | 1 | | 10/08/10 | MRD |
| 1,2,4-Trimethylbenzene | 2.72 | ug/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.30 | 4.30 | 1 | | 10/08/10 | MRD |
| 1,2-Dibromoethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/08/10 | MRD |
| 1,2-Dichlorobenzene | ND | ug/L | 0.80 | 2.70 | 1 | | 10/08/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/08/10 | MRD |
| 1,2-Dichloropropane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD |
| 1,3,5-Trimethylbenzene | 0.83 | ug/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD |
| 1,3-Dichlorobenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD |
| 1,3-Dichloropropane | ND | ug/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD |
| 1,4-Dichlorobenzene | ND | ug/L | 0.80 | 2.70 | 1 | | 10/08/10 | MRD |
| 2,2-Dichloropropane | ND | ug/L | 1.00 | 3.30 | 1 | | 10/08/10 | MRD |
| 2-Chlorotoluene | ND | ug/L | 0.30 | 1.00 | 1 | | 10/08/10 | MRD |
| 4-Chlorotoluene | ND | ug/L | 0.30 | 1.00 | 1 | | 10/08/10 | MRD |
| 4-Isopropyltoluene | ND | ug/L | 0.40 | 1.33 | 1 | | 10/08/10 | MRD |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD |
| Bromobenzene | ND | ug/L | 0.30 | 1.00 | 1 | | 10/08/10 | MRD |
| Bromochloromethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD |
| Bromodichloromethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD |
| Bromoform | ND | ug/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD |
| Bromomethane | ND | ug/L | 1.00 | 3.30 | 1 | | 10/08/10 | MRD |
| Butylbenzene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD |
| Carbon Tetrachloride | ND | ug/L | 0.30 | 1.00 | 1 | | 10/08/10 | MRD |
| Chlorobenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD |
| Chloroethane | ND | ug/L | 0.70 | 2.30 | 1 | | 10/08/10 | MRD |
| Chloroform | ND | ug/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD |
| Chloromethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD |
| cis-1,2-Dichloroethylene | ND | ua/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD |
| cis-1,3-Dichloropropylene | ND | ua/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD |
| | | 3 | | | | | | |



Attn: Michael Neal

PROJECT NO. : Konop Property 114-330854 REPORT NO. : 1010105 DATE REC'D: 10/06/10 15:30 REPORT DATE : 10/18/10 08:34 PREPARED BY : JRS

| Sample ID: MW-12 | Matrix: Groun | Matrix: Ground Water | | Sample Date/Time: 10/06 | | | Lab No.: 1 | : 1010105-11 | |
|-----------------------------|----------------|----------------------|------|-------------------------|---------------------------|------------|-------------------------|----------------|--|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> | |
| EPA 8260B Continued | | | | | | | | | |
| Dibromochloromethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD | |
| Dibromomethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD | |
| Dichlorodifluoromethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/08/10 | MRD | |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD | |
| Hexachlorobutadiene | ND | ug/L | 1.00 | 3.30 | 1 | | 10/08/10 | MRD | |
| Isopropylbenzene (Cumene) | ND | ug/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD | |
| m,p-Xylenes | 1.17 | ug/L | 0.40 | 1.30 | 1 | J | 10/08/10 | MRD | |
| Methylene Chloride | ND | ug/L | 0.40 | 1.30 | 1 | CSH | 10/08/10 | MRD | |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 10/08/10 | MRD | |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 10/08/10 | MRD | |
| o-Xylene | 0.22 | ug/L | 0.20 | 0.67 | 1 | J | 10/08/10 | MRD | |
| Propylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD | |
| sec-Butylbenzene | ND | ug/L | 0.30 | 1.00 | 1 | | 10/08/10 | MRD | |
| Styrene | ND | ug/L | 0.10 | 0.50 | 1 | | 10/08/10 | MRD | |
| tert-Butylbenzene | ND | ug/L | 0.30 | 1.00 | 1 | | 10/08/10 | MRD | |
| Tetrachloroethene | ND | ug/L | 0.30 | 1.00 | 1 | CSH | 10/08/10 | MRD | |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD | |
| trans-1,2-Dichloroethylene | ND | ug/L | 0.50 | 1.70 | 1 | | 10/08/10 | MRD | |
| trans-1,3-Dichloropropylene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD | |
| Trichloroethene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/08/10 | MRD | |
| Trichlorofluoromethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/08/10 | MRD | |
| Vinyl chloride | ND | ug/L | 0.20 | 0.67 | 1 | | 10/08/10 | MRD | |

Page 9 of 14

Tetra Tech., Inc. 1837 County Highway 00 Chippewa Falls, WI 54729

Attn: Michael Neal

PROJECT NO. : Konop Property 114-330854 REPORT NO. : 1010105 DATE REC'D: 10/06/10 15:30 REPORT DATE : 10/18/10 08:34 PREPARED BY : JRS

CSL

10/07/10

MRD

| Sample ID: PZ-7 | Matrix: Groun | Sample | e Date/Tir | me: 10/0 | 6/10 12:15 | Lab No. : | 1010105-12 | |
|-----------------------------|---------------|--------|------------|-----------------|---------------------------|------------|------------------|---------|
| | Results | Units | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date Analyzed | Analyst |
| EPA 8260B | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 1,1,1-Trichloroethane | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| 1,1,2-Trichloroethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| 1,1-Dichloroethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| 1,1-Dichloroethylene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| 1,1-Dichloropropylene | ND | ug/L | 0.80 | 2.70 | 1 | | 10/07/10 | MRD |
| 1,2,3-Trichlorobenzene | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| 1,2,3-Trichloropropane | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| 1,2,4-Trichlorobenzene | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 1.30 | 4.30 | 1 | | 10/07/10 | MRD |
| 1,2-Dibromoethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 1,2-Dichlorobenzene | ND | ug/L | 0.80 | 2.70 | 1 | | 10/07/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 1,2-Dichloropropane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| 1,3-Dichlorobenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| 1,3-Dichloropropane | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| 1,4-Dichlorobenzene | ND | ug/L | 0.80 | 2.70 | 1 | | 10/07/10 | MRD |
| 2,2-Dichloropropane | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| 2-Chlorotoluene | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 4-Chlorotoluene | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 4-Isopropyltoluene | ND | ug/L | 0.40 | 1.33 | 1 | | 10/07/10 | MRD |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Bromobenzene | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| Bromochloromethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Bromodichloromethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Bromoform | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Bromomethane | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| Butylbenzene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Carbon Tetrachloride | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| Chlorobenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Chloroethane | ND | ug/L | 0.70 | 2.30 | 1 | | 10/07/10 | MRD |
| Chloroform | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Chloromethane | ND | ug/L | 0.40 | 1.30 | 1 | CSL | 10/07/10 | MRD |
| cis-1,2-Dichloroethylene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| cis-1,3-Dichloropropylene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Dibromochloromethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Dibromomethane | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |

ND

ug/L

0.30

1.00

1

Dichlorodifluoromethane



Attn: Michael Neal

| Sample ID: PZ-7 | Matrix: Ground Water | | | e Date/Tir | me: 10/0 | 6/10 12:15 Lab No. : 1010105 | | 010105-12 |
|-----------------------------|----------------------|--------------|------|------------|---------------------------|------------------------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 8260B Continued | | | | | | | | |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Hexachlorobutadiene | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| Isopropylbenzene (Cumene) | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Methylene Chloride | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Propylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| sec-Butylbenzene | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| Styrene | ND | ug/L | 0.10 | 0.50 | 1 | | 10/07/10 | MRD |
| tert-Butylbenzene | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| Tetrachloroethene | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| trans-1,2-Dichloroethylene | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| trans-1,3-Dichloropropylene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Trichloroethene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Trichlorofluoromethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| Vinyl chloride | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |

| Sample ID: Trip Blank | Matrix: Water | Sample | e Date/Tir | Lab No.:1010105-13 | | | | |
|-------------------------|----------------|--------------|------------|--------------------|---------------------------|------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 10/07/10 | MRD |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 10/07/10 | MRD |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 10/07/10 | MRD |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 10/07/10 | MRD |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 10/07/10 | MRD |

Qualifier Descriptions

| J | Estimated concentration below laboratory quantitation level. | | | | | | |
|-----|--|--|--|--|--|--|--|
| CSL | Check standard for this analyte exhibited a low bias. Sample results may also be biased low. | | | | | | |
| CSH | Check standard for this analyte exhibited a high bias. Sample results may also be biased high. | | | | | | |

Definitions

LOD = Limit of Detection (Dilution Corrected) LOQ = Limit of Quanitation (Dilution Corrected) Reporting Limit = LOQ (Dilution Corrected) ND = Not Detected COMP = Complete SUBCON = Subcontracted analysis mv = millivolts pci/L = picocuries per Liter mL/L = milliliters per Liter mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021methanol and WI DNR methylene chloride preserved soils. ug/I = Micrograms per Liter = parts per billion (ppb) ug/kg = Micrograms per kilogram = parts per billion (ppb) mg/I = Milligrams per liter = parts per million (ppm) mg/kg = Milligrams per kilogram = parts per million (ppm) NOT PRES = Not Present ppth = Parts per thousand * = Result outside established limits. mg/m3 = Milligrams per meter cubed ng/L = Nanograms per Liter = Parts per trillion(ppt) > = Greater Than

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.

lof2

| Company Name | Project |
|---|---|
| Report Mailing Address | Contact Name, Phone, Fax, Email |
| 1837 CTH 00 | mal 1 day a tate day |
| Invoice Address | Purchase Order # Invoice Contact and Phone No. |
| * SAME AS ABOVE | 114-33-0854 |
| Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other: | Lab Use Only |
| Wis. PECFA Project subject to U&C? Yes | Delivered by Walk-in Courier |
| For Compliance Monitoring? Yes No State: (If Yes, please specify Agency or Regulation) Agency/Reg.: | - Ship. Cont. Ok? Y N NA Samples Leaking? Y D NA Seals OK? N NA Rec'd on Ice? N NA |
| Turnaround Request: Definition [] Rush (Must be pre-approved by Lab and is subject to surch | harges) |
| Date Needed: WO No10 10 16 5 | 1 to 1 1 |
| Lab Use Sample No. of Containers Sample | |
| -1 10-6-10 9:10 3 MW-3 | Comments |
| -2 10-6-10 8:55 / 3 PZ-3 | X |
| -3 10-6-10 9:30 - 3 MW-10 | X |
| -4 10-6-10 9:50 - 3 P2-5 | |
| -5 10-6-10 10:35 - 3+1 MW-F | × × + 1.250pt HADO3 |
| -6 10-6-10 10:15 - 3 P2-4 | X |
| -7 10-6-10 11:05 - 3+1 | XX + 1:250pett No3 |
| -8 10-6-10 11:15 - 3 PZ-2 | X |
| | |
| | |
| Chain of Custody Record | Date Time Received By: |
| | 12-leic 1530 Am Ader |

Siemens Water Technologies 301 W. Military Rd. Rothschild, WI 54474 1-800-338-7226

| Company N | ame | . / | | | | Proj | ect | | D | , | 144 2250 | | | | | |
|---------------------------------|---------------|--------------------------|---------------------------------|-------------------|-------------------------------|------------|---------------------------------|----------|------------|-------|---|-------------|--|--|--|--|
| le? | TA JA | rch | | | | | 80 | nop | Prop | nert- | 1 114-33083 | 54 | | | | |
| Report Maili | ng Address | | | | | Con | Contact Name, Phone, Fax, Email | | | | | | | | | |
| | | | | | | | 11 | . 1 | 1 . | 1-1 | a data to la | | | | | |
| Invoice Add | ess | | | | | Pure | chase | Order # | e1. / | | Contact and Phone No. | m | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Matrix: Drin | king Water | aroundwater | Wastewater | Soil/Solid | Other: | | | Analyse | e Roquesto | | Lab Use Only | | | | | |
| Wis PECEA | Project subje | ct to U&C? | Yes No | > | | | | | | u | Delivered by Walk-in | Courier | | | | |
| | i ojoot oubjo | | | | | v ' | B | | | | Ship. Cont. Ck? Y N Samples Leaking? Y N | NA NA | | | | |
| For Compliar (If Yes, please | specify Agen | ig? Yes cv or Regulat | tion) A | State: | | 100 | NS S | | | | Seals OK? N | NA | | | | |
| | , · ·.gon | A | | | | 600 | E.O | | | | | NA | | | | |
| Turnaround | Request: | Normal (| (10 Bus. Days lust be pre-ap |) proved by La | b and is subject to surcharge | s) | 2 | 5 | | | Sample Receiving Comments: | | | | | |
| | | Date Neede | ed: | | | 20 | 4 | 00 | | | | | | | | |
| WO No. | 101 | 0105 | - | | | 4 | 2 | 2 | | | 2 . | 1.5 | | | | |
| Lab Dea | 0 | | | | Querrale | | | | | | 5.2 | | | | | |
| Lab Use Only | Date | mple Time | Comp | Grab | ID Sample | nd | 1 | | | | Comments | × | | | | |
| -9 | 10-6-10 | 1245 | 1 | 3 | Mh1-11 | X | | | | | 011.0 | | | | | |
| -10 | 10-6-70 | 1:00 | - | 3+1 | P2-6 | X | X | | | | | 2.50 , el H | | | | |
| - 11 | 10-6-10 | 12:00 | | 3+1 | MW-12 | - | X | X | | | | J. | | | | |
| -12 | 10-6-10 | 1215 | | 3 | PZ-7 | | | X | | | J. | | | | | |
| -13 | 7/29/10 | Carlos | | d | Trip Black | X | | | | | 2 vials the 7 | -24-10 | | | | |
| | 1.1 | | | | | | | | | | | TB159 | | | | |
| | | | | | | | | | | | | | | | | |
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| | .1 | .l | 1 | | Relinquished By:- | l | L | <u>L</u> | Date | Time | Beceived By: | | | | | |
| | | | | | A | - | | | Duit | | | | | | | |
| | Chain of | f Custod | У | | Mine T. The | iunglon | 2 | | 10-6-10 | 3:30 | | | | | | |
| | Ke | cora | | | | 1 3800 | \$ | | | | | | | | | |
| | | | | | | 105 11 | <u>а</u> | / | 0-10-10 | 1- | | | | | | |
| | | | | | | The same | | (| - 010 | IS. | SU Man Hick | _ | | | | |

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Siemens Water Technologies 301 W. Military Rd. Rothschild, WI 54474 1-800-338-7226



January 04, 2011

Tetra Tech., Inc. 1837 County Highway 00 Chippewa Falls, WI 54729

Attn: Michael Neal

REPORT NO.: 1012308

PROJECT NO.: 114-330854

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received December 17, 2010.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Water Technologies for your analytical needs.

Sincerely,

Siemens Water Technologies

Bruce Schertz

Lab Manager Enviroscan Analytical[™] Services Cc: Eric Oleson, Tetratech

I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Water Technologies Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Water Technologies Corp. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.

Saltins Reviewed by: anest

Certifications: Wisconsin 737053130 Minnesota 055-999-302 Illinois 100317



Siemens Water Technologies Corp.

301 West Military Road Rothschild, WI 54474

Tel: 800-338-7226 Fax: 715-355-3221 www.siemens.com/enviroscan

The total number of pages in this report, including this page is 7.



SAMPLE SUMMARY

| Lab Id | Client Sample Id | Date/Time | Matrix |
|------------|------------------|----------------|--------------|
| 1012308-01 | PZ-4 | 12/15/10 10:00 | Ground Water |
| 1012308-02 | MW-F | 12/15/10 10:40 | Ground Water |
| 1012308-03 | MW-12 | 12/15/10 11:40 | Ground Water |
| 1012308-04 | PZ-7 | 12/15/10 12:40 | Ground Water |
| 1012308-05 | Trip Blank | 12/15/10 00:00 | Water |
| | | | |



Attn: Michael Neal Sample ID: PZ-4 PROJECT NO. : 114-330854 REPORT NO. : 1012308 DATE REC'D: 12/17/10 12:48 REPORT DATE : 01/04/11 11:04 PREPARED BY : BMS

Sample Date/Time: 12/15/10 10:00

| Lab No. : 10123 | 08-01 | |
|-----------------|-------|--|
|-----------------|-------|--|

| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | Analyst |
|-------------------------|----------------|--------------|------|------|---------------------------|------------|-------------------------|---------|
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | 324 | ug/L | 4.00 | 13.4 | 20 | | 12/28/10 | MRD |
| 1,2-Dichloroethane | 8.92 | ug/L | 6.00 | 20.0 | 20 | J | 12/28/10 | MRD |
| 1,3,5-Trimethylbenzene | 206 | ug/L | 4.00 | 13.4 | 20 | | 12/28/10 | MRD |
| Benzene | 520 | ug/L | 4.00 | 13.4 | 20 | | 12/28/10 | MRD |
| Ethylbenzene | 67.3 | ug/L | 4.00 | 13.4 | 20 | | 12/28/10 | MRD |
| m,p-Xylenes | 950 | ug/L | 8.00 | 26.0 | 20 | | 12/28/10 | MRD |
| Methyl-tert-Butyl Ether | ND | ug/L | 10.0 | 34.0 | 20 | | 12/28/10 | MRD |
| Naphthalene | 56.5 | ug/L | 20.0 | 66.0 | 20 | J | 12/28/10 | MRD |
| o-Xylene | 104 | ug/L | 4.00 | 13.4 | 20 | | 12/28/10 | MRD |
| Toluene | 703 | ug/L | 8.00 | 26.0 | 20 | | 12/28/10 | MRD |
| | | | | | | | | |

Matrix: Ground Water

Sample ID: MW-F Matrix: Ground Water Sample Date/Time: 12/15/10 10:40 Lab No.: 1012308-02 Date Dilution Results Units LOD LOQ Factor Qualifiers Analyzed Analyst EPA 8260B 1670 40.0 1,2,4-Trimethylbenzene ug/L 134 200 MRD 12/29/10 1,2-Dichloroethane ND ug/L 60.0 200 200 12/29/10 MRD 1,3,5-Trimethylbenzene 1430 ug/L 40.0 134 200 12/29/10 MRD Benzene 1550 ug/L 40.0 134 200 MRD 12/29/10 Ethylbenzene 2310 ug/L 40.0 134 200 12/29/10 MRD m,p-Xylenes 7140 ug/L 80.0 260 200 12/29/10 MRD Methyl-tert-Butyl Ether ND ug/L 100 340 200 12/29/10 MRD Naphthalene 502 ug/L 200 660 200 MRD J 12/29/10 o-Xylene 2820 ug/L 40.0 134 200 MRD 12/29/10 Toluene 8840 ug/L 80.0 260 200 12/29/10 MRD



Attn: Michael Neal

PROJECT NO. : 114-330854 REPORT NO. : 1012308 DATE REC'D: 12/17/10 12:48 REPORT DATE : 01/04/11 11:04 PREPARED BY : BMS

| Sample ID: MW-12 | Matrix: Groun | Sample Date/Time: 12/15/10 11:40 | | | 5/10 11:40 | Lab No.: 1012308-03 | | |
|-------------------------|----------------|----------------------------------|------|------|---------------------------|---------------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 12/27/10 | MPM |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 12/27/10 | MPM |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 12/27/10 | MPM |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 12/27/10 | MPM |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 12/27/10 | MPM |
| | | | | | | | | |

| Matrix: Ground Water | | Sample | Sample Date/Time: 12/15/10 12:40 | | | | Lab No.: 1012308-04 | |
|----------------------|---------------|--|---|--|--|--|---|--|
| <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution <u>Factor</u> | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> | |
| | | | | | | | | |
| ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM | |
| ND | ug/L | 0.30 | 1.00 | 1 | | 12/27/10 | MPM | |
| ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM | |
| ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM | |
| ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM | |
| ND | ug/L | 0.40 | 1.30 | 1 | | 12/27/10 | MPM | |
| ND | ug/L | 0.50 | 1.70 | 1 | | 12/27/10 | MPM | |
| ND | ug/L | 1.00 | 3.30 | 1 | | 12/27/10 | MPM | |
| ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM | |
| ND | ug/L | 0.40 | 1.30 | 1 | | 12/27/10 | MPM | |
| | Matrix: Groun | ResultsUnitsNDug/L | Matrix: Ground WaterSampleResultsUnitsLODNDug/L0.20NDug/L0.30NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20NDug/L0.20 | Matrix: Ground Water Sample Date/Tir Results Units LOD LOQ ND ug/L 0.20 0.67 ND ug/L 0.30 1.00 ND ug/L 0.20 0.67 ND ug/L 0.40 1.30 ND ug/L 0.50 1.70 ND ug/L 0.20 0.67 ND ug/L 0.20 0.67 ND ug/L 0.50 1.70 ND ug/L 0.20 0.67 ND ug/L 0.20 0.67 ND ug/L 0.20 0.67 ND ug/L < | Matrix: Ground Water Sample Date/Time: 12/1 Results Units LOD LOQ Dilution Factor ND ug/L 0.20 0.67 1 ND ug/L 0.30 1.00 1 ND ug/L 0.20 0.67 1 ND ug/L 0.40 1.30 1 ND ug/L 0.20 0.67 1 ND ug/L | Matrix: Ground Water Sample Date/Time: 12/15/10 12:40 Results Units LOD LOQ Dilution Factor Qualifiers ND ug/L 0.20 0.67 1 ND ug/L 0.30 1.00 1 ND ug/L 0.20 0.67 1 ND ug/L 0.20 1.07 1 ND ug/L 0.20 1.67 1 ND ug/L 0.40 1.30 1 ND ug/L 0.50 1.70 1 ND ug/L 0.20 0.67 1 ND ug/L 0.20 0.67 1 ND ug/L 0.20 0.67 1 ND | Matrix: Ground Water Sample Date/Time: 12/15/10 12:40 Lab No. : 1 Results Units LOD LOQ Factor Qualifiers Date Analyzed ND ug/L 0.20 0.67 1 12/27/10 ND ug/L 0.30 1.00 1 12/27/10 ND ug/L 0.20 0.67 1 12/27/10 ND ug/L 0.40 1.30 1 12/27/10 ND ug/L 0.50 1.70 1 12/27/10 ND ug/L 0.20 0.67 1 12/27/10 | |



Attn: Michael Neal

PROJECT NO. : 114-330854 REPORT NO. : 1012308 DATE REC'D: 12/17/10 12:48 REPORT DATE : 01/04/11 11:04 PREPARED BY : BMS

| Sample ID: Trip Blank | mple ID: Trip Blank Matrix: Water | | Sample Date/Time: 12/15/10 0:00 | | | | Lab No.: 1012308-05 | |
|-------------------------|-----------------------------------|--------------|---------------------------------|------|--------------------|------------|-------------------------|----------------|
| | <u>Results</u> | <u>Units</u> | LOD | LOQ | Dilution Factor | Qualifiers | Date <u>Analyzed</u> | <u>Analyst</u> |
| EPA 8260B | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM |
| 1,2-Dichloroethane | ND | ug/L | 0.30 | 1.00 | 1 | | 12/27/10 | MPM |
| 1,3,5-Trimethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM |
| Benzene | ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM |
| Ethylbenzene | ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM |
| m,p-Xylenes | ND | ug/L | 0.40 | 1.30 | 1 | | 12/27/10 | MPM |
| Methyl-tert-Butyl Ether | ND | ug/L | 0.50 | 1.70 | 1 | | 12/27/10 | MPM |
| Naphthalene | ND | ug/L | 1.00 | 3.30 | 1 | | 12/27/10 | MPM |
| o-Xylene | ND | ug/L | 0.20 | 0.67 | 1 | | 12/27/10 | MPM |
| Toluene | ND | ug/L | 0.40 | 1.30 | 1 | | 12/27/10 | MPM |

Qualifier Descriptions

J

Estimated concentration below laboratory quantitation level.

Definitions

LOD = Limit of Detection (Dilution Corrected) LOQ = Limit of Quantitation (Dilution Corrected) Reporting Limit = LOQ (Dilution Corrected) ND = Not Detected COMP = Complete SUBCON = Subcontracted analysis mv = millivolts pci/L = picocuries per Liter mL/L = milliliters per Liter mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021methanol and WI DNR methylene chloride preserved soils.

ug/I = Micrograms per Liter = parts per billion (ppb) ug/kg = Micrograms per kilogram = parts per billion (ppb) mg/I = Milligrams per liter = parts per million (ppm) mg/kg = Milligrams per kilogram = parts per million (ppm) NOT PRES = Not Present ppth = Parts per thousand * = Result outside established limits. mg/m3 = Milligrams per meter cubed ng/L = Nanograms per Liter = Parts per trillion(ppt) > = Greater Than

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.

| Company Na Report Mailir 83 Invoice Addre | etra le ng Address 57 Cty. H ess (, Zami | eut my 00 (| H-1pput falls 34729 | Project Contact Name, P Erc (Purchase Order # | - 330 hone, Fax, Email Deson | 854- eric, Oleson & fetratecth com |
|--|---|--|---|---|--|---|
| Matrix: Drinki Wis. PECFA F For Complian (If Yes, please Turnaround WO No | ing Water Groundwater V Project subject to U&C? (Ince Monitoring? Yes) In specify Agency or Regulat Request: [4 Normal ([] Rush (Mu Date Needed 10 2.308 Sample Date Time 14(5(10 0.00 0:40 1:40 1:40 2:40 | Vastewater Soil/Solid C Yes No No State: ion) Agency/Reg.: 10 Bus. Days) ust be pre-approved by Lab a d: No. of Containers Comp Grab | $\frac{Sample}{ID}$ $\frac{Sample}{ID}$ $\frac{PZ - 4}{PZ - 7}$ $\frac{Trrp Bicante}{ID}$ | Analy | ses Requested | Lab Use Only Courier Delivered by: Walk-in Courier Ship. Cont. OK? Y N NA Samples Leaking? Y N NA Seals OK? Y N NA Rec'd on Ice? Y N NA Sample Receiving Comments: 3.4°C Comments 3.4°C Comments 1.4°C N Y Nods HEC 1.4°C |
| L | Chain of Custody Record | | Relinquished By: | | Date Til 12/16/10 5/2 12/17/10 12: | me Received By: B 48 Manual K Reundo |



Appendix D

Mann – Kendall Statistical Test

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC, AND OURSELVES, ALL TETRA TECH REPORTS ARE SUBMITTED AS THE CONFIDENTIAL INFORMATION OF CLIENTS, AND AUTHORIZATION FOR PUBLICATION OF STATEMENT, CONCLUSIONS OR EXTRACTIONS FROM OR REGARDING OUR REPORTS IS RESERVED PENDING OUR PRIOR WRITTEN APPROVAL.

State of Wisconsin

Mann-Kendall Statistical Test Form 4400-215 (2/2001)

Department of Natural Resources

Remediation and Redevelopment Program

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

| Site Name : | Konop Property Site, Coleman | | BRRTS No. = | 03-38-544783 | Well Number = | MW-F | | | | |
|--|-------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|--|--|
| | Compound -> | Benzene | Ethylbenzene | Toluene | TMB | Xylenes | | | | |
| | | Concentration | Concentration | Concentration | Concentration | Concentration | Concentration | | | |
| Event | Sampling Date | (leave blank | | | |
| Number | (most recent last) | if no data) | | | |
| 1 | 1-Jun-02 | 7,400.00 | 2,600.00 | 18,000.00 | 2,150.00 | 11,200.00 | | | | |
| 2 | 1-Sep-02 | 3,400.00 | 2,700.00 | 13,000.00 | 2,140.00 | 9,600.00 | | | | |
| 3 | 1-Nov-03 | 2,400.00 | 230.00 | 9,200.00 | 1,670.00 | 8,300.00 | | | | |
| 4 | 1-Oct-06 | 770.00 | 2,300.00 | 5,100.00 | 2,630.00 | 7,300.00 | | | | |
| 5 | 1-Aug-07 | 803.00 | 292.00 | 2,660.00 | 823.00 | 3,420.00 | | | | |
| 6 | 1-Nov-07 | 1,370.00 | 1,670.00 | 6,230.00 | 1,750.00 | 10,690.00 | | | | |
| 7 | 1-Apr-08 | 2,910.00 | 2,960.00 | 12,800.00 | 2,305.00 | 10,060.00 | | | | |
| 8 | 18-May-10 | 2,030.00 | 2,540.00 | 9,220.00 | 1,662.00 | 8,880.00 | | | | |
| 9 | 6-Oct-10 | 1,690.00 | 2,060.00 | 9,150.00 | 1,700.00 | 8,400.00 | | | | |
| 10 | 15-Dec-10 | 1,550.00 | 2,310.00 | 8,840.00 | 3,100.00 | 9,960.00 | | | | |
| | Mann Kendall Statistic (S) = | -13.0 | 1.0 | -13.0 | 1.0 | -5.0 | 0.0 | | | |
| | Number of Rounds (n) = | 10 | 10 | 10 | 10 | 10 | 0 | | | |
| | Average = | 2432.30 | 1966.20 | 9420.00 | 1993.00 | 8781.00 | #DIV/0! | | | |
| | Standard Deviation = | 1940.257 | 966.123 | 4382.934 | 623.833 | 2223.923 | #DIV/0! | | | |
| | Coefficient of Variation(CV)= | 0.798 | 0.491 | 0.465 | 0.313 | 0.253 | #DIV/0! | | | |
| Error Check, Blank if No Errors Detected n<4 | | | | | | | | | | |
| Trend ≥ 80 | % Confidence Level | DECREASING | No Trend | DECREASING | No Trend | No Trend | n<4 | | | |
| Trend ≥ 90 | % Confidence Level | No Trend | n<4 | | | |
| Stability Test, If No Trend Exists at | | | CV <= 1 | | CV <= 1 | CV <= 1 | n<4 | | | |
| 80% Confi | dence Level | NA | STABLE | NA | STABLE | STABLE | n<4 | | | |
| | Data Entry By = | mn | Date = | 10-Jan-11 | Checked By = | EO | | | | |

State of Wisconsin

Department of Natural Resources

Remediation and Redevelopment Program

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

| Site Name : | Konop Property Site, Coleman | i, Wisconsin | | BRRTS No. = | 03-38-544783 | Well Number = | PZ-2 |
|---------------|-------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | Compound -> | Benzene | | | | | |
| | | Concentration | Concentration | Concentration | Concentration | Concentration | Concentration |
| Event | Sampling Date | (leave blank |
| Number | (most recent last) | if no data) |
| 1 | 1-Sep-02 | 450.00 | | | | | |
| 2 | 1-Jan-03 | 450.00 | | | | | |
| 3 | 1-May-03 | 46.00 | | | | | |
| 4 | 1-Nov-03 | 460.00 | | | | | |
| 5 | 1-Oct-06 | 100.00 | | | | | |
| 6 | 1-Aug-07 | 9.00 | | | | | |
| 7 | 1-Nov-07 | 133.00 | | | | | |
| 8 | 1-Apr-08 | 39.60 | | | | | |
| 9 | 18-May-10 | 235.00 | | | | | |
| 10 | 6-Oct-10 | 377.00 | | | | | |
| | Mann Kendall Statistic (S) = | -6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Number of Rounds (n) = | 10 | 0 | 0 | 0 | 0 | 0 |
| | Average = | 229.96 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| | Standard Deviation = | 187.555 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| | Coefficient of Variation(CV)= | 0.816 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| Error Check | , Blank if No Errors Detected | | n<4 | n<4 | n<4 | n<4 | n<4 |
| Trend ≥ 80° | % Confidence Level | No Trend | n<4 | n<4 | n<4 | n<4 | n<4 |
| Trend ≥ 90 | % Confidence Level | No Trend | n<4 | n<4 | n<4 | n<4 | n<4 |
| Stability Tes | st, If No Trend Exists at | CV <= 1 | n<4 | n<4 | n<4 | n<4 | n<4 |
| 80% Confi | dence Level | STABLE | n<4 | n<4 | n<4 | n<4 | n<4 |
| | Data Entry By = | mn | Date = | 10-Jan-11 | Checked By = | EO | |

Mann-Kendall Statistical Test Form 4400-215 (2/2001)
State of Wisconsin

Department of Natural Resources

Remediation and Redevelopment Program

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR /46, VVIs. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

| Site Name : Konop Property Site, Coleman, Wisconsin | | | | BRRTS No. = | 03-38-544783 | Well Number = | PZ-4 |
|---|-------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Sector States | Compound -> | Benzene | 1,2-DCA | TMB | | | |
| | | Concentration | Concentration | Concentration | Concentration | Concentration | Concentration |
| Event | Sampling Date | (leave blank |
| Number | (most recent last) | if no data) |
| 1 | 1-Aug-07 | 132.00 | 3.00 | 253.00 | | | |
| 2 | 1-Nov-07 | 563.00 | | 749.00 | | | |
| 3 | 1-Apr-08 | 869.00 | | 944.00 | | | |
| 4 | 18-May-10 | 1,010.00 | 25.40 | 1,473.00 | | | |
| 5 | 6-Oct-10 | 941.00 | 7.50 | 860.00 | | | |
| 6 | 15-Dec-10 | 520.00 | 8.92 | 530.00 | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| | Mann Kendall Statistic (S) = | 5.0 | 2.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| | Number of Rounds (n) = | 6 | 4 | 6 | 0 | 0 | 0 |
| | Average = | 672.50 | 11.21 | 801.50 | #DIV/0! | #DIV/0! | #DIV/0! |
| | Standard Deviation = | 332.264 | 9.794 | 412.786 | #DIV/0! | #DIV/0! | #DIV/0! |
| | Coefficient of Variation(CV)= | 0.494 | 0.874 | 0.515 | #DIV/0! | #DIV/0! | #DIV/0! |
| Error Check, Blank if No Errors Detected n<4 n<4 | | | | | | | |
| Trend ≥ 80% Confidence Level | | No Trend | No Trend | No Trend | n<4 | n<4 | n<4 |
| Trend ≥ 90% Confidence Level | | No Trend | No Trend | No Trend | n<4 | n<4 | n<4 |
| Stability Test, If No Trend Exists at | | CV <= 1 | CV <= 1 | CV <= 1 | n<4 | n<4 | n<4 |
| 80% Confidence Level | | STABLE | STABLE | STABLE | n<4 | n<4 | n<4 |
| Data Entry By = mn | | | Date = | 10-Jan-11 | Checked By = | EO | |

Mann-Kendall Statistical Test Form 4400-215 (2/2001)



Appendix E

NR 746 Risk Analysis

AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC, AND OURSELVES, ALL TETRA TECH REPORTS ARE SUBMITTED AS THE CONFIDENTIAL INFORMATION OF CLIENTS, AND AUTHORIZATION FOR PUBLICATION OF STATEMENT, CONCLUSIONS OR EXTRACTIONS FROM OR REGARDING OUR REPORTS IS RESERVED PENDING OUR PRIOR WRITTEN APPROVAL.

Konop Property Site NR 746 Risk Analysis

Wisconsin Administrative Code Chapter NR 746 was created to "measure the environmental, safety and health risks associated with petroleum contaminations, and to determine a required action level which could include, but not be limited to, adequate source control and measures to address environmental risk factors, or whether the site may be closed without additional action." The following risks must be evaluated during a site investigation.

746.06(2)(a) - Do any of the following risks, as defined in NR 746 exist at this site?

| Documented expansion of plume margin? Verified PAL exceedance in a private or public potable well? Contamination within, or within 1 meter of, bedrock? More than 0.01 inches of free product during more than one sampling event? Documented contamination discharges to surface waters or wetlands? | Yes <u>X_No</u> NA Yes <u>X_No</u> NA <u>X_</u> Yes <u></u> NoNA Yes <u>X_</u> NoNA Yes <u>X_</u> NoNA |
|--|--|
| 746.06(2)(b) – Do soil contaminants exceed Table 1 levels? | Yes <u>X_</u> NoNA |
| 746.06(2)(c) – Is soil contamination within 4 feet of the ground surface present at concentrations exceeding Table 2 values? | Yes <u>X_</u> NoNA |
| 746.06(2)(d) – Have human health risks from direct contact been addressed for other contaminants of concern? | YesNo _X_NA |
| 746.06(2)(f) –Is the most recent petroleum release greater than 10 years? | X_YesNoNA |
| 746.06(2)(g) – Is there evidence of petroleum product contaminant migration within a utility corridor or within a permeable material or soil along which vapors, free product, or contaminated water may flow? | Yes <u>X_</u> NoNA |
| 746.06(2)(h) – Is there evidence of migration or imminent migration of petroleum product contamination to building foundation drain tile, sumps or other points of entry into a basement or other enclosed structure where petroleum vapors could collect and create odors or an adverse impact on indoor air quality or where the contaminants may pose an explosion hazard? | Yes <u>X_</u> NoNA |
| 746.06(2)(i) – Is there an ES exceedance in any groundwater within 1,000 feet of a public utility well or 100 feet of any other well used to provide water for human consumption? | Yes <u>X_</u> NoNA |
| | |