Annual Monitoring Report – 2009/2010

Former Midtown Service Station/

Paynesville Municipal Water Supply

400 Lake Avenue South

Paynesville, Minnesota 56362

MPCA Site ID #: LEAK0002181 and 131

May 17, 2010

Terracon Project No. 41987018

Prepared for:
Minnesota Pollution Control Agency
Remediation Division
Petroleum Remediation Program – Unit 1
525 South Lake Avenue, Suite 400
Duluth, Minnesota 55802

Prepared by:
Terracon Consultants, Inc.
3535 Hoffman Road East
White Bear Lake, Minnesota 55110

Offices Nationwide
Employee-Owned
Established in 1965
terracon.com
Terracon
Environmental Construction Materials Facilities

Section 1: Work Completed

1.1 Describe all site work completed since the *Investigation Report Form* or the last *Monitoring Report* was submitted. This should include both field and non-field related activities.

Introduction

This Annual Monitoring Report (AMR) includes groundwater monitoring results for monitoring events conducted since Terracon's *Annual Monitoring Report – 2008/2009* dated May 13, 2009. In addition, this AMR includes a discussion of the installation of a piezometer in August 2009.

Background

The Paynesville Municipal Water Supply / Former Midtown Service Station site is located within the City of Paynesville (Figures 1 and 2A). Based on available information and previous assessment work conducted by Terracon, the site has petroleum impacted soil, soil-gas, and groundwater in addition to a significant source mass of light non-aqueous phase liquid (NAPL) which appears to consist primarily of gasoline. Soil-gas impacts appear to be concentrated along Lake Avenue between the former Midtown Service Station and State Highway 23. Benzene and 1,2-dichloroethane have been detected in groundwater samples from City Wells CW-3 and CW-4 on several occasions in the past. The most recent corrective action for this issue involved assisting the City of Paynesville with the installation of new municipal water supply wells (CW-7 and CW-8) and utilizing City Well CW-4 as a plume-containment well. The available information indicates that the source of the impacts is a petroleum release that occurred at the former Midtown Service Station located at 400 Lake Avenue South (southwest corner of Lake Avenue South and Mill Street).

Previous soil-gas assessment activities were conducted at the site and included six soil probes (VP-1 through VP-6, Figure 2A) completed in the right-of-way of Lake Avenue as part of a Vapor Intrusion Assessment (VIA) Pilot Study performed for the MPCA. The results of the initial soil vapor monitoring work are discussed in Terracon's *VIA Pilot – Midtown Station* report dated January 21, 2005. Subsequent VIA activities included advancing four hand-driven soil-gas probes (VP-7 through VP-10, Figure 2A) to assess the vapor migration potential to receptors (i.e., buildings, residences) located near the previously identified source area. The results from soil gas probes VP-7 through VP-10 and soil gas probes VP-1A and VP-11 were discussed in Terracon's *Annual Monitoring Report* dated June 29, 2005.

Two additional soil-gas probes (VP-12 and VP-13) were advanced in conjunction with source area assessment during February/March 2007 to further assess the risk of vapor intrusion to nearby residences (347 Lake Avenue and 410 Lake Avenue). The results from soil gas probes VP-12 and VP-13 were discussed in Terracon's *Annual Monitoring Report* dated June 30, 2007.

Various petroleum-related volatile organic compounds (VOCs) have been detected in the soil-gas samples collected from the soil-gas probes advanced at the site. Soil gas probes VP-7, VP-8, VP-9, VP-10, VP-12, and VP-13 were completed near residences. In these and other soil-gas samples, one or more petroleum related VOCs were detected at concentrations that exceeded one of the MPCA soil-gas action levels (Tables 20A through 20C). Various petroleum-related VOCs have been detected in the air samples and soil-gas collected from the crawl space under the on-site residence and sub-slab soil gas samples were collected from the three homes located near the site during 2007/2008. However, the petroleum-related VOCs concentrations detected in air and soil gas samples collected from the crawl space, soil gas probe and sub-slab monitoring points do not exceed 10 times the MPCA residential Intrusion Screening Values (ISVs) established in February 2009 indicating the building should not be at risk of vapor intrusion resulting in VOC concentrations that exceed the MPCA ISVs. The results from crawl space and sub-slab soil gas sampling activities were discussed in Terracon's *Annual Monitoring Report – 2007/2008* dated June 12, 2008 and Terracon's *Annual Monitoring Report – 2008/2009* dated May 13, 2009.

Terracon completed a review of the MPCA file for the former Midtown Service Station (LEAK00002181) in order to develop a limited focused feasibility study (FFS). The results of the FFS were submitted to the MPCA in Terracon's *Focused Feasibility Study* dated March 15, 2006. The FFS included a summary of the historic activities on site and assessment of the effectiveness of corrective actions that have previously targeted the source area at the site. The FFS also included recommendations for further definition of the source area to be remediated, proposed a plan for developing cleanup objectives for the site, and provided a summary of potential corrective actions. Corrective action alternatives evaluated in the FFS included: free product recovery, excavation, bioslurping (multi-phase extraction), soil excavation and in situ soil flushing. The FFS did not include a recommendation for implementing a specific corrective action to address the current extent and magnitude of the petroleum impacts in and near the source area.

During February and March 2007, 62 laser-induced fluorescence (LIF) probes (LIF-1 through LIF-58 and LIF-60 and LIF-61) and 13 soil probes (P-38 through P-50) confirming LIF probes were advanced in and surrounding the former Midtown Service Station to assess the horizontal and vertical extent of NAPL in soil pore spaces within the source area (Figures 2A and 2B). The goal of the source area assessment was to develop a sufficient understanding of the source area hydrogeology, extent and magnitude of NAPL, migration pathways, and contaminant fate and transport mechanisms such that a Conceptual Corrective Action Design (CCAD) could be developed to address the risk to identified receptors. The results of the source area assessment activities indicated that in

and near the source area the subsurface generally consists of up to 13-feet of fine to coarse grained sand with gravel and fill overlying a fine grained alluvium unit composed of sandy clay and clay to 17- to 24-feet below ground surface (bgs). The fine grained alluvium unit overlies a water bearing coarse grained alluvium unit consisting of fine to coarse grained sand that grades to gravel in some areas. The coarse grained alluvium unit extends to at least 35-feet bgs. Perched water was occasionally encountered within the upper sand / fill unit and in sand lenses within the fine grained alluvium unit. The water table was encountered within the source area approximately 18-feet bgs. Data from the LIF probes indicated that the NAPL migrated laterally on top of the fine grained alluvium unit as well as downward to the water bearing coarse grained alluvium unit. The NAPL also migrated laterally in the water bearing coarse grained alluvium unit. The estimated horizontal extent of NAPL was approximately within a 160-foot radius of the former tank basins. The interpreted depth to the top of the NAPL ranged from 5-feet to 24-feet bgs. The interpreted depth to the bottom of the NAPL was generally near 25-feet bgs, but ranged from approximately 6- to 26-feet. Several areas were identified which required additional assessment to delineate the horizontal extent of the NAPL and better understand the vertical extent of NAPL. Monitoring wells DW-8 and DW-9 were installed during May 2007 to better delineate the dissolved phase petroleum plume to the northeast of the source area. Monitoring well DW-8 was completed in the drinking water aquifer approximately 90-feet bgs. Monitoring well DW-9 was completed in what appears to be the top of the drinking water aquifer approximately 30-feet bgs. The results of the source area assessment activities are summarized in Terracon's *Annual Monitoring Report* dated June 30, 2007.

During January 2008, additional source area assessment activities were conducted, including advancing 23 LIF probes (LIF-62 through LIF-84) and five additional soil probes (P-51 through P-55) to confirm previous LIF data. The goal of the source area assessment was to develop a sufficient understanding of the source area hydrogeology, extent and magnitude of NAPL, migration pathways, and contaminant fate and transport mechanisms such that a Detailed Corrective Action Design (DCAD) could be developed to address the risk to identified receptors. The additional source area assessment activities included: additional assessment along the north, west and east edge of the proposed area for soil excavation; and further delineation of the horizontal extent along the northeast, northwest, southwest and southeast edges assessed during March 2007.

Based on interpretation of LIF data the inferred horizontal extent of NAPL consists of an approximately 320-feet by 200-feet oval shape with NAPL extending approximately 200-feet northwest of the former tank basins. The interpreted depth to the top of the NAPL ranges from 7.5-feet to 24-feet bgs. The interpreted depth to the bottom of the NAPL is generally near 25-feet bgs, but ranges from approximately 12.5- to 27-feet. The interpreted NAPL thickness is as much as 18.5 feet.

A total of five soil probes (P-51 through P-55) were also advanced during January 2008 to collect soil and groundwater samples to confirm data from the LIF probes indicating the horizontal extent of the NAPL and assess other aspects of petroleum impacts near the source area. The laboratory analytical results from the five soil samples collected did not detect concentrations of BTEX, MTBE or GRO at or greater than the laboratory reporting limits (RLs). Low concentrations of one or more BTEX compounds were detected in groundwater samples collected from soil probes P-51, P-53 and P-54; however, they did not exceed the Minnesota Department of Health (MDH) Health Risk Limits (HRLs) or Health Based Values (HBVs). GRO concentrations in groundwater samples collected from soil probes P-51 and P-53 exceeded the MDH HRV of 200 µg/L.

Data from the LIF probes indicated that the NAPL migrated laterally on top of the fine grained alluvium unit as well as downward to the water bearing coarse grained alluvium unit. The NAPL also migrated laterally in the water bearing coarse grained alluvium unit. The results of the additional source area assessment activities are summarized in Terracon's *Annual Monitoring Report -2007/2008* dated June 12, 2008.

Monitoring well DW-8S was installed during December 2008 to provide a fixed monitoring point near the top of the drinking water aquifer at the location of monitoring well DW-8 where benzene has consistently been detected at a depth of 85- to 90-feet bgs. The results of the additional assessment and groundwater monitoring activities during 2008/2009 are summarized in Terracon's *Annual Monitoring Report - 2008/2009* dated May 13, 2009. A DCAD recommending the excavation and off-site disposal of the NAPL impacted soil was also prepared during 2009. The DCAD included options for a large excavation which would likely require access to the residential property north of the site and a small excavation limited to the site that would include a rainey well and associated remedial equipment to attempt to recover the off-site NAPL. The two source area remedial options are summarized in *Detailed Corrective Action Design* dated May 13, 2009. More recently the MPCA is considering the use of mechanical remedial methods to recover the NAPL such that the costs and potential effectiveness of the various remedial options can be compared. The MPCA is currently reviewing Terracon's *Pilot Test Work Plan* dated February 10, 2010.

1.2 If additional work requested in the most recent MPCA correspondence has not been completed, explain why.
Not Applicable

Section 2: Monitoring Results

2.1 Ground Water

Discuss the cumulative ground water monitoring results, water level measurements, and plume characteristics with respect to identified receptors.

Hydrogeologic Conditions

Depth to groundwater measurements were conducted at the following wells on a semi-annual basis during this reporting period (Figure 2).

Well ID	Map ID	Well ID	Map ID
DW-1	1	Midtown wells	
DW-2	2	MW-1	23
DW-3R	3	MW-10	24
DW-4	4	MW-10D	5
DW-5	45	MW-14	25
DW-6	46	MW-14D	6
DW-7S	48	MW-15	27
DW-7D	49	MW-17	28
DW-8S	57	MW-19	30
DW-8	55	MW-20	31
DW-9	56	MW-21	50
MW-4	44	MW-22	51
MW-5	7	MW-23	52
MW-16	27	MW-24	53
PZ-1	58	MW-25	54
		RW-1	32
City of Paynesville monitoring wells			
CMW-42	42		
CMW-43	43		

Well construction information is summarized in Table 9. The groundwater level data is presented in Table 10. The fluid level data from wells screened in the drinking water aquifer between 75- and 95-feet below ground surface were used to prepare the groundwater contour maps depicted in Figures 3A and 3B. The groundwater contour maps developed using groundwater elevation data collected on August 11, 2009 and February 3, 2010 indicate the local horizontal groundwater flow direction in the drinking water aquifer is generally to the east-southeast which is consistent with previous collected data and the reported regional groundwater flow direction. Historical groundwater

Groundwater samples were collected from the City Wells via sampling taps after purging. Groundwater samples were collected from the monitoring wells after purging three well volumes using disposable bailers or a submersible electric sampling pump with dedicated polyethylene tubing as described in the attached sampling forms. The laboratory results from groundwater samples collected from the monitoring wells and water supply wells are summarized in Tables 11 and 12. Natural attenuation monitoring parameters are summarized in Table 13. Benzene concentrations from select sampling points are plotted versus time in Figures 5A through 5C. Benzene concentrations from monitoring wells completed in the drinking water aquifer and water supply wells and the inferred extent of the dissolved phase benzene plume are shown of Figures 7A and 7B. Copies of laboratory reports are included in Appendix A, sampling methods are described in Appendix B and the sampling information forms are included in Appendix C.

Annual groundwater samples were collected from monitoring wells DW-3R(3), DW-5(45), DW-6(46), DW-7S(48), DW-7D(49), DW-8S(57), DW-8(55), DW-9 (56), MW-16(27), MW-17(28); City Wells CW-1 through CW-8; and the water treatment plant (WTP) influent and effluent during August 2009. Semi-annual groundwater samples were collected from monitoring wells DW-3R(3), DW-5(45), DW-6(46), DW-8S(57), DW-8(55), DW-9 (56), MW-16(27), and MW-17(28); City Well CW-4; and the WPT influent and effluent during February 2010. The laboratory analytical results for the groundwater samples from these monitoring locations were reported below laboratory reporting limits for target VOCs, except for concentrations of various petroleum related compounds detected in samples collected from wells DW-5, DW-6, DW-8 and DW-9 (Table 11). The benzene concentrations in the groundwater samples collected from monitoring wells DW-5, DW-6, DW-8 and DW-9 exceeded the MDH HRL of 2 ug/L. The GRO concentration in the groundwater samples collected from monitoring well DW-9 exceeded the MDH HBV of 200 ug/L.

Plume Containment Activities (CW-4)

City Well CW-4 is continually pumped to contain the dissolved phase petroleum plume. Water from the well is discharged to the City of Paynesville storm sewer without needing treatment under a National Pollutant Discharge Elimination System (NPDES) Permit. Groundwater samples are collected from the discharge from City Well CW-4 on a quarterly basis for laboratory analysis as required in the NPDES Permit (Table 11). The groundwater samples were analyzed for the MDH list of VOCs. The target VOCs were not detected in the discharge samples collected during April 2009, August 2009, December 2009 and February 2010. The groundwater analytical results are summarized in Tables 11 and 12. The laboratory reports are included in Appendix A. The sampling information forms are included in Appendix C.

The groundwater pumping rate for City Well CW-4 was observed to be decreasing during the summer of 2005 from approximately 103 gallons per minute (gpm) until it was shutdown on August 31, 2005 to replace the RPZ backflow preventer on the well that had

failed. The pump was restarted on September 14, 2005 and the maximum pumping rate was approximately 90 gpm. The pump in City Well CW-4 failed during March 2006. A new pump was installed in City Well CW-4 on May 5, 2006, but it had the wrong voltage motor. The pump was reinstalled in City Well CW-4 on June 1, 2006 and started the next day. The pumping rate was set to approximately 90 gpm. The pump installed in the well during May / June 2006 can operate at lower pumping rates than the previous pump. The groundwater pumping rate for City Well CW-4 during the period from July 2006 to June 2007 was approximately 100 gpm. Water coming from the well was observed to be steaming when the sampling point was opened on May 20, 2008. The well was shutdown for investigation after it was allowed to pump at approximately 25 gpm for approximately one hour before the sample was collected. Further investigation by the City of Paynesville found the discharge line between the well and storm sewer was apparently blocked at a valve or the valve had somehow become closed. The pump would not restart. Thein Well Company (Thein) was contracted to remove and inspect the well pump to determine if it could be repaired or needed to be replaced. Thein found the pump and motor to be in good condition, but there was a hole in the drop pipe which apparently caused the pump to circulate water within the well until it overheated. The drop pipe and fittings were replaced on CW-4 and the pump was reinstalled and restarted by Thein Well on June 27, 2008. The operational and maintenance history for City Well CW-4 is summarized in Table 21.

The groundwater pumping rate during the current reporting period from March 2009 to May 2010 varied from approximately 100 gpm to 20 gpm when it was shut down in March 2010. The groundwater pumping rate for City Well CW-4 was approximately 90 to 100 gpm during the first half of the reporting period. The groundwater pumping rate decreased during the second half of the reporting period to a point where it was operating at 20 gpm when it was shut down on March 31, 2010. Thein removed the drop pipe and submersible pump on April 8, 2010 and found the drop pipe near the pump had holes and pump should be replaced. Thein also indicated that the well spool was in poor condition and would likely need to be replaced within the next two years. Thein installed a new pump and drop pipe on May 11, 2010 and the pumping rate was set at approximately 100 gpm. A pumping rate of 100 appears to be controlling dissolved phase petroleum plume migration in the direction of City Wells CW-3, CW-5, CW-6, and CW-7. The groundwater pumping rate of City Well CW-4 should be limited so that it does not promote excessive migration of the contaminant plume to the north or downward into the drinking water aquifer.

2.2 **Field-Detectable Vapors** (photoionization detector, explosimeter, etc.)
Discuss the results of any additional follow-up field vapor monitoring. Include a description of each vapor monitoring location and an explanation of monitoring methods and instruments used. Interpret the cumulative results as related to the identified receptors.
Not Applicable

NOTE: If vapor concentrations exceed 10 percent of the lower explosive limit, exit the building and contact the local fire department immediately. Then contact the Minnesota Duty Officer (24 hours) at 651-649-5451 (metro and outside Minnesota) or 1-800-422-0798 (Greater Minnesota). TTY users call 651-297-5353 (V/TTY) or 1-800-627-3529 (V/TTY).

2.3 Vapor Intrusion (soil gas, sub-slab, indoor, ambient)

Discuss the results of any follow-up vapor intrusion assessment (VIA) activities including a description of each VIA sampling location and an interpretation of the results with respect to receptors.

Not Applicable

2.4 Free Product

If free product is present, discuss what activities are being completed to measure and recover it. Describe the effectiveness of the recovery efforts and free product trends over the course of the investigation. Complete Table 14 and discuss the data compiled to date.

Fluid level data collected during this reporting period detected measurable free product in monitoring wells MW-1, MW-18, MW-20, MW-21, MW-22, MW-23, MW-24 and MW-25 (Table 10). Product recovery activities were not performed.

2.5 Other (e.g., surface water, contaminated surface soil, etc.)

Discuss the results of any additional monitoring or subsurface investigation conducted during this reporting period. Identify all monitoring locations on an attached site map by labeling each location. A description of sampling methods, including the instruments used, must be included in Section 6.

In August 2009, a piezometer well (PZ-1) was installed adjacent to Paynesville City Well CW-4 to provide a fixed groundwater elevation monitoring point since CW-4 is inaccessible for the collection of water elevations. The well was advanced to a depth of 110-feet bgs using a Rota-Sonic drilling method. Groundwater was encountered at approximately 20-feet bgs. Soil samples recovered from the soil boring in the field were screened for the presence of organic vapors using a photo-ionization detector (PID) equipped with a 10.6 eV lamp using a polyethylene bag headspace screening method consistent with MPCA guidelines. Based on field headspace screening results and olfactory and visual observation of soil samples collected from the soil boring, petroleum impacts were not detected.

The subsurface consists of approximately 19-feet of gravelly sand overlying water-bearing silty sand and clayey sand to a depth of 43-feet bgs. Water-bearing sand, sandy gravel, and gravelly sand was encountered from 43 to 101 feet bgs. Lean clay was encountered from 101 to 110 feet bgs. A 5-foot screen was set between 95- and 100-feet bgs to monitor groundwater elevations. The soil boring log and well construction record are included in Appendix C.

2.6 Site Conceptual Model

Discuss any changes to the overall site conceptual model that has altered the current site management decision based upon the information presented in this report.

The results of the source area assessment activities indicated that in and near the source area the subsurface generally consists of up to 13-feet of fine to coarse grained sand with gravel and fill overlying a fine grained alluvium unit composed of sandy clay and clay to 17- to 24-feet bgs. The fine grained alluvium unit overlies a water-bearing coarse grained alluvium unit consisting of fine to coarse grained sand that grades to gravel in some areas. The coarse grained alluvium unit extends to at least 35-feet bgs and may be the top of the drinking water aquifer. Perched water is occasionally encountered within the upper sand / fill unit and in sand lenses within the fine grained alluvium unit. The water table was encountered within the source area and down-gradient at approximately 18- to 20-feet bgs. Data from the LIF probes indicated that the NAPL migrated laterally on top of the fine grained alluvium unit as well as downward to the water bearing coarse grained alluvium unit. The NAPL also migrated laterally in the water bearing coarse grained alluvium unit. Based on interpretation of LIF data the inferred horizontal extent of NAPL consists of an approximately 320-feet by 200-feet oval shape with NAPL extending approximately 200-feet northwest of the former tank basins. The interpreted depth to the top of the NAPL ranges from 7.5-feet to 24-feet bgs. The interpreted depth to the bottom of the NAPL is generally near 25-feet bgs, but ranges from approximately 12.5- to 27-feet. The interpreted NAPL thickness is as much as 18.5 feet.

The NAPL is the apparent source of a dissolved phase petroleum plume that extends 900-feet to the north-northwest (CW-4) and to the east-northeast (DW-8), and to a depth of at least 90-feet bgs. It is anticipated that the dissolved phase petroleum plume extends to a similar distance and depth to the north and northeast of the source area. City Well CW-4 is being pumped to contain the dissolved phase plume. Impacts to potential vapor receptors have not been identified although a substantial petroleum vapor cloud is present at the site and to the north along Lake Avenue.

Section 3: Site Management Decision

The site management decision should be based on the Program's objectives described in Guidance Document 1-01 *Petroleum Remediation Program General Policy.*

3.1 Recommendation for site:

- ☐ site closure
- ☒ additional ground water monitoring
- ☐ additional field-detectable vapor monitoring
- ☐ additional soil or ground water investigation
- ☐ additional soil gas/vapor intrusion investigation
- ☒ corrective action

3.2 If closure is recommended, summarize significant investigative events and describe how the site-specific exposure pathways identified in the site conceptual model (SCM) have been adequately addressed.

3.3 If additional monitoring or subsurface investigation is recommended, provide details of all proposed activities (e.g., monitoring locations, sampling frequency, target analytes, additional monitoring wells, soil borings). Continue ground water monitoring and sampling in accordance with the previously-approved schedule until the MPCA responds to this report.

The dissolved phase petroleum plume emanating from the former Midtown Service Station continues to impact the water quality in the water table aquifer at the site and off-site to the north and northeast. In addition, the petroleum impacted groundwater appears to migrate downward into the underlying drinking water aquifer to the north-northwest and east-northeast of the site. The primary source of the dissolved phase petroleum plume appears to be NAPL which has consistently been observed in several monitoring wells on the former Midtown Service Station property (MW-1, MW-20, MW-21, MW-22, MW-24 and MW-25). Groundwater quality data indicates the dissolved phase petroleum plume within the drinking water aquifer is responsive to groundwater pumping activities. In comparing data from similar time periods, the City Well CW-4 pumping rates and laboratory analytical data for groundwater samples collected from wells at the site appear to correlate well. During increased groundwater pumping rates at City Well CW-4, dissolved phase petroleum concentrations for samples collected from City Well CW-4 at times increase while those in nearby monitoring wells MW-17 and DW-3/3R have remained below laboratory reporting limits or at concentrations below their respective MDH HRLs or HBVs. However, benzene concentrations in groundwater samples from monitoring wells that appear to be completed near the top of the drinking water aquifer (DW-5, DW-6 and DW-9) consistently exceed the MDH HRL indicating that the dissolved phase petroleum plume continues to impact the drinking water aquifer and poses a continuing risk of once again impacting one of the City Wells if pumping activities at City Well CW-4 cease. Continued analysis of groundwater samples from the

Benzene

water treatment plant, City Wells, and select monitoring wells should be performed in order to monitor the quality of the water supply and plume stability or migration.

Based upon the result from the groundwater monitoring and source area assessment activities, Terracon recommends that correction actions be taken to address the NAPL impacted soil in the source area at the site. Ongoing groundwater monitoring activities should continue at the former Midtown Service Station. Terracon recommends the following:

- Meet with MPCA staff to discuss the *Pilot Test Work Plan* dated February 10, 2010 which is currently being reviewed.

- Continue groundwater extraction activities utilizing City Well CW-4 to contain the dissolved phase petroleum plume. Continue to adjust the pumping rate of City Well CW-4 to establish an extraction rate that helps prevent excessive migration of the dissolved phase petroleum plume in the direction of either well CW-4 or wells DW-7S, DW-7D, CW-3, CW-5, CW-6 and CW-7. Continue to collect quarterly discharge samples from City Well CW-4 for laboratory analysis. The discharge samples should be analyzed for the MDH list of VOCs per the requirement of the NPDES Permit.

- Collect annual groundwater samples from City Wells CW-3, CW-5, CW-6, CW-7 and CW-8; and semi-annual samples from the water treatment plant influent and effluent. The groundwater samples should be analyzed for the MDH list of VOCs. The sampling schedule should be adjusted to monthly if the dissolved phase petroleum plume appears to become unstable.

- Conduct semi-annual site visits to collect fluid level data from wells DW-1, DW-2, DW-3R, DW-4, DW-5, DW-6, DW-7S, DW-7D, DW-8, DW-8S and DW-9; Midtown wells MW-1, MW-10, MW-10D, MW-14, MW-14D, MW-15, MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22, MW-23, MW-24, MW-25, and RW-1; Johnson Motors wells MW-4 and MW-5; City of Paynesville monitoring wells identified as CMW-42 and CMW-43.

- Collect semi-annual groundwater quality samples for laboratory analysis from monitoring wells DW-3R, DW-5, DW-6, DW-8, DW-8S, DW-9, MW-16 and MW-17; and annual samples from monitoring wells DW-7S and DW-7D. Well DW-5 should be sampled after purging with the recovery well pump. The samples should be analyzed for BTEX, MTBE, and GRO. A duplicate sample and field blank should be analyzed during each sampling event.

- The drop pipe and submersible pump should be removed from City Well CW-4 in spring 2011 and the conditions of the well inspected using a downhole camera. If the pump spool in City Well CW-4 needs to be replaced the City of Paynesville should be

NOTE: THE GROUNDWATER CONTOURS ILLUSTRATED ARE BASED UPON INTERPOLATIONS OF WATER LEVEL DATA OBTAINED FROM THE DEEP MONITORING WELLS ON 8/11/09. ACTUAL CONDITIONS MAY VARY.

LEGEND

- (56) WELL IDENTIFICATION NUMBER
- PRIVATE POTABLE WELLS
- MUNICIPAL POTABLE WELLS
- PIEZOMETER LOCATION
- MW-10D(90) WELL NAME (WELL DEPTH IN FT)
- GROUNDWATER CONTOUR LINE
- [1151.88] GROUNDWATER ELEVATION (FT AMSL)
- GROUNDWATER FLOW DIRECTION

MINNE ST.
LAKE AVE.
INDUSTRIAL LOOP "W"
RAILROAD ST.
JAMES ST.
HOFFMAN ST.
HOFFMAN ST. (STATE HWY. 23)
MILL ST.
SOUTH ST.
WASHBURNE AVE.
AUGUSTA AVE.
FOURTH AVE.
GARFIELD AVE.
HOOVER AVE.
(TH. 194)
CITY GARAGE
JOHNSON MOTORS
CASEY'S
NURSERY
CITY/BELL FIELD
FORMER MOTORS

ACMW-2(31) (21)
(22) AEMW-3(27)
DW-1(90) [1152.28]
(20) AGMW-1(43)
DW-2(85) [1152.44]
(9) CW-3(93)
[1151.67] PZ-1
1151.7
SEALED
CW-4 (110)
JMMW-4(19)
JMMW-5(89)
SEALED
MW-16 (26)
MW-14 (29)
DW-6(45)
DW-5(67)
MW-17 (62)
(6) MW-14D(90) [1152.06]
SEALED
SEALED
DW-4(90) [1152.42]
1152.0
1151.0
1150.0
1149.0
(11) CW-5 (90)
CMW-42(95) [1148.14]
CMW-43(95) [1148.13]
CW-6 (97)
MW-10D(90) [1151.64]
MW-10(27)
DW-9(31.5)
(57) DW-8S(35)
(55) DW-8(90) [1151.88]
(3) DW-3R(90) [1150.66]
DW-7S (35) (48)
DW-7D (95) (49) [1151.89]
(SEE FIGURES 2A & 2B FOR WELL LOCATIONS)

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

N

0 100 200 400
SCALE IN FEET

Project Mngr: PJW	Project No. 41987018	GROUNDWATER CONTOUR MAP (8/11/09)	FIG. No.
Drawn By: JLM (41)	Scale: AS SH	PAYNESVILLE MUNICIPAL WATER SUPPLY	3A
Checked By: CDB	File No. 419870	MPCA	
		MINNESOTA HIGHWAY 23	

NOTE: THE GROUNDWATER CONTOURS ILLUSTRATED ARE BASED UPON INTERPOLATIONS OF WATER LEVEL DATA OBTAINED FROM WELLS ON 2/3/09. ACTUAL CONDITIONS MAY VARY.

LEGEND

- (56) WELL IDENTIFICATION NUMBER
- PRIVATE POTABLE WELLS
- MUNICIPAL POTABLE WELLS
- PIEZOMETER LOCATION
- MW-10D(90) WELL NAME (WELL DEPTH IN FT)
- GROUNDWATER CONTOUR LINE
- [1153.34] GROUNDWATER ELEVATION (FT AMSL)
- GROUNDWATER FLOW DIRECTION

MINNIE ST.
LAKE AVE.
NORTHWAY LOOP
RAILROAD ST.
JAMES ST.
AUGUSTA AVE.
WASHBURNE AVE.
HOFFMAN ST.
HOFFMAN ST. (STATE HWY. 23)
MILL ST.
SOUTH ST.
FORESTRY AVE.
GARFIELD AVE.
PARK DR.
(CH. 134)
CITY GARAGE
JOHNSON MOTORS
FARMER'S UNION CO-OP
CASEY'S
NURSERY
CITY WELL FIELD
FORMER MOTORS

ACMW-2(31) (21)
(22) AEMW-3(27)
DW-1(90) [1153.59]
(20) AGMW-1(43)
CW-3(93)
DW-2(85) [1153.60]
1153.5
1153
1152.5
1152
1151.5
1151
1150.5
1150
SEALED
[1153.34]
PZ-1
1153.4
CW-4 (110)
JMMW-4(19)
JMMW-5(89)
DW-4(90) [1153.50]
MW-16 (26)
MW-14 (29)
DW-6(45)
DW-5(67)
MW-17 (62)
MW-14D(90) [1153.56]
CW-5 (90)
CMW-42(95) [1149.56]
CMW-43(95) [1149.59]
CW-6 (97)
MW-10D(90) [1153.46]
MW-10(27)
DW-9(31.5)
DW-8S(35)
DW-8(90) [1153.41]
DW-3R(90) [1152.30]
DW-7S (35)
DW-7D (95) [1152.96]
(SEE FIGURES 2A & 2B FOR WELL LOCATIONS)

N

0 100 200 400
SCALE IN FEET

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr: PJW	Project No. 41987018		
Drawn By: CDR	Scale: AS SHOWN		
Checked By: CDB	File No. 41987018gw		

GROUNDWATER CONTOUR MAP (2/3/10)

PAYNESVILLE MUNICIPAL WATER SUPPLY

MPCA

MINNESOTA HIGHWAY 23

FIG. No

3B

(GW 2.3.0

NOTE: THE INFERRED EXTENT OF BENZENE IMPACTS DEPICTED IS BASED UPON INTERPOLATION AND EXTRAPOLATION OF BENZENE CONCENTRATIONS IN GROUNDWATER SAMPLES COLLECTED FROM THE WELLS SHOWN DURING THE 8/11/09 SAMPLING EVENT OR MOST RECENT SAMPLING EVENT (SEE TABLE 11). DATA FROM MW-16 AND MW-17 NOT USED TO PREPARE THIS MAP. ACTUAL CONDITIONS MAY VARY.

MINNE ST.
ACMW-2(31)
AEMW-3(27)
RAILROAD ST.
DW-1(90) [<1.0]
AGMW-1(43)
CW-3(93) [<1.0]
DW-2(85) [<1.0]
CITY GARAGE
JAMES ST.
SEALED
PZ-1
[<1.0]
CW-4 (110)
SEALED
JMMW-4(19)
JMMW-5(89)
[<1.0]
MW-16 (26)
MW-14 (29)
[6.0]
DW-6(45)
DW-5(67) [18.4]
MW-17 (62) [<1.0]
MW-14D(90) [<1.0]
SEALED
DW-4(90) [<1.0]
HOFFMAN ST. (STATE HWY. 23)
HUNTERS PARK DRIVE
HUNTERY
CITY WELL FIELD
CW-5 (90) [<1.0]
CMW-42(95)
CMW-43(95)
CW-6 (97) [<1.0]
MW-10D(90) [<1.0]
MW-10(27)
DW-9(31.5) [5.2]
DW-8S(35) [<1.0]
DW-8(90) [6.3]
DW-3R(90) [<1.0]
MILL ST.
SOUTH ST.
(SEE FIGURES 2A & 2B FOR WELL LOCATIONS)
1.0 µg/L BENZENE
DW-7S (35) [<1.0]
DW-7D (95) [<1.0]

LEGEND

(56)	WELL IDENTIFICATION NUMBER
MW-10D(90)	WELL NAME (WELL DEPTH IN FT)
[<1.0]	BENZENE CONCENTRATION IN µg/L
⊗	MONITORING WELLS
⊗	WATER WELLS
⌖	PIEZOMETER LOCATION

N

0 100 200 400
SCALE IN FEET

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr: PJW	Project No. 41987018	Terracon Consulting Engineers and Scientists	BENZENE CONCENTRATION MAP (AUGUST 2009)
Drawn By: JLM (41)	Scale: AS SHOWN	3535 HOFFMAN ROAD E WHITE BEAR LAKE, MN 55110	PAYNESVILLE MUNICIPAL WATER SUPPLY
Checked By: PJW	File No. 41987018gw	PH. (651) 770-1500 FAX. (651) 770-1657	PAYNE[redacted]AY 23 MINNESOTA
Approved By: PJW	Date: 5/5/2010		FIG. No. 7A (FIG7A)

NOTE: THE INFERRED EXTENT OF BENZENE IMPACTS DEPICTED IS BASED UPON INTERPOLATION AND EXTRAPOLATION OF BENZENE CONCENTRATIONS IN GROUNDWATER SAMPLES COLLECTED FROM THE WELLS SHOWN DURING THE 2/3/10 SAMPLING EVENT OR MOST RECENT (SEE TABLE 11). DATA FROM MW-16 AND MW-17 NOT USED TO PREPARE THIS MAP. ACTUAL CONDITIONS MAY VARY.

MINNE ST.
LAKE AVE.
INDUSTRIAL LOOP "W"
RAILROAD ST.
JAMES ST.
AURORA AVE.
WASHBURNE AVE.
HOFFMAN ST.
HOFFMAN ST. (STATE HWY. 23)
FORREST AVE.
GARFIELD AVE.
PARK DR.
MILL ST.
SOUTH ST.
CITY GARAGE
CASEY'S
NURSERY
CITY WELL FIELD
FORMER MOTORS

ACMW-2(31)
AEMW-3(27)
AGMW-1(43)
DW-1(90) [<1.0]
DW-2(85) [<1.0]
CW-3(93) [<1.0]
SEALED
PZ-1
[<1.0]
CW-4 (110)
SEALED
JMMW-4(19)
JMMW-5(89)
[<1.0]
MW-16 (26)
[6.6]
DW-6(45)
MW-14 (29)
MW-14D(90) [<1.0]
DW-5(67) [36.1]
MW-17 (62) [<1.0]
SEALED
DW-4(90)
SEALED
CW-5 (90)
CMW-42(95)
CMW-43(95)
CW-6 (97)
MW-10D(90) [<1.0]
MW-10(27)
DW-9(31.5) [1,690]
DW-8S(35) [<1.0]
DW-8(90) [9.4]
DW-3R(90) [<1.0]
DW-7S (35) [<1.0]
DW-7D (95) [<1.0]
1.0 µg/L BENZENE
(SEE FIGURES 2A & 2B FOR WELL LOCATIONS)

LEGEND

(56)	WELL IDENTIFICATION NUMBER
MW-10D(90)	WELL NAME (WELL DEPTH IN FT)
[<1.0]	BENZENE CONCENTRATION IN µg/L
⊗	MONITORING WELLS
⊗	WATER WELLS
⊕	PIEZOMETER LOCATION

N

0 100 200 400
SCALE IN FEET

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr: PJW	Project No. 41987018	Terracon Consulting Engineers and Scientists	BENZENE CONCENTRATION MAP (FEBRUARY 2010)
Drawn By: JLM (41)	Scale: AS SHOWN	3535 HOFFMAN ROAD E WHITE BEAR LAKE, MN 55110	PAYNESVILLE MUNICIPAL WATER SUPPLY
Checked By: PJW	File No. 41987018gw	PH. (651) 770-1500 FAX. (651) 770-1657	PAYNES[redacted]AY 23 MINNESOTA
Approved By: PJW	Date: 5/5/2010		FIG. No 7B (FIG7B)

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
1	DW-1	03/16/98	18.97	-	-	1,170.73	90	1,151.76
1	DW-1	03/25/98	19.37	-	-	1,170.73	90	1,151.36
1	DW-1	04/22/98	17.29	-	-	1,170.73	90	1,153.44
1	DW-1	05/20/98	18.04	-	-	1,170.73	90	1,152.69
1	DW-1	05/21/98	19.30	-	-	1,170.73	90	1,151.43
1	DW-1	06/13/98	18.61	-	-	1,170.73	90	1,152.12
1	DW-1	08/20/98	19.91	-	-	1,170.73	90	1,150.82
1	DW-1	01/25/99	21.08	-	-	1,170.73	90	1,149.65
1	DW-1	02/18/99	21.53	-	-	1,170.73	90	1,149.20
1	DW-1	03/17/99	21.30	-	-	1,170.73	90	1,149.43
1	DW-1	03/18/99	21.28	-	-	1,170.73	90	1,149.45
1	DW-1	04/22/99	19.41	-	-	1,170.73	90	1,151.32
1	DW-1	04/28/99	19.83	-	-	1,170.73	90	1,150.90
1	DW-1	05/21/99	18.74	-	-	1,170.73	90	1,151.99
1	DW-1	07/19/99	19.67	-	-	1,170.73	90	1,151.06
1	DW-1	08/23/99	20.64	-	-	1,170.73	90	1,150.09
1	DW-1	09/22/99	19.44	-	-	1,170.73	90	1,151.29
1	DW-1	10/25/99	21.78	-	-	1,170.73	90	1,148.95
1	DW-1	11/24/99	21.07	-	-	1,170.73	90	1,149.66
1	DW-1	12/09/99	20.98	-	-	1,170.73	90	1,149.75
1	DW-1	01/13/00	20.95	-	-	1,170.73	90	1,149.78
1	DW-1	02/17/00	21.02	-	-	1,170.73	90	1,149.71
1	DW-1	04/20/00	21.07	-	-	1,170.73	90	1,149.66
1	DW-1	05/23/00	20.80	-	-	1,170.73	90	1,149.93
1	DW-1	06/17/00	22.16	-	-	1,170.73	90	1,148.57
1	DW-1	07/27/00	21.03	-	-	1,170.73	90	1,149.70
1	DW-1	08/16/00	21.95	-	-	1,170.73	90	1,148.78
1	DW-1	09/12/00	21.35	-	-	1,170.73	90	1,149.38
1	DW-1	10/20/00	21.67	-	-	1,170.73	90	1,149.06
1	DW-1	12/13/00	22.12	-	-	1,170.73	90	1,148.61
1	DW-1	01/16/01	21.36	-	-	1,170.73	90	1,149.37
1	DW-1	02/15/01	23.37	-	-	1,170.73	90	1,147.36
1	DW-1	03/08/01	22.13	-	-	1,170.73	90	1,148.60
1	DW-1	04/12/01	18.54	-	-	1,170.73	90	1,152.19
1	DW-1	05/11/01	18.33	-	-	1,170.73	90	1,152.40
1	DW-1	06/22/01	19.02	-	-	1,170.73	90	1,151.71
1	DW-1	07/30/01	19.63	-	-	1,170.73	90	1,151.10
1	DW-1	08/13/01	19.92	-	-	1,170.73	90	1,150.81
1	DW-1	09/11/01	20.07	-	-	1,170.73	90	1,150.66
1	DW-1	10/09/01	19.76	-	-	1,170.73	90	1,150.97
1	DW-1	11/19/01	21.17	-	-	1,170.73	90	1,149.56
1	DW-1	12/03/01	20.52	-	-	1,170.73	90	1,150.21
1	DW-1	01/29/02	21.58	-	-	1,170.73	90	1,149.15
1	DW-1	02/08/02	21.97	-	-	1,170.73	90	1,148.76
1	DW-1	03/19/02	22.34	-	-	1,170.73	90	1,148.39
1	DW-1	04/16/02	20.10	-	-	1,170.73	90	1,150.63
1	DW-1	05/23/02	20.17	-	-	1,170.73	90	1,150.56
1	DW-1	06/07/02	19.77	-	-	1,170.73	90	1,150.96
1	DW-1	08/19/02	17.81	-	-	1,170.73	90	1,152.92
1	DW-1	11/05/02	17.46	-	-	1,170.73	90	1,153.27
1	DW-1	01/16/03	18.84	-	-	1,170.73	90	1,151.89
1	DW-1	04/03/03	20.06	-	-	1,170.73	90	1,150.67
1	DW-1	07/24/03	18.74	-	-	1,170.73	90	1,151.99
1	DW-1	10/24/03	19.63	-	-	1,170.73	90	1,151.10
1	DW-1	02/04/04	20.13	-	-	1,170.73	90	1,150.60
1	DW-1	04/07/04	20.07	-	-	1,170.73	90	1,150.66
1	DW-1	08/24/04	19.41	-	-	1,170.73	90	1,151.32
1	DW-1	02/16/05	20.01	-	-	1,170.73	90	1,150.72
1	DW-1	11/02/05	17.19	-	-	1,170.73	90	1,153.54
1	DW-1	05/04/06	15.89	-	-	1,170.73	90	1,154.84
1	DW-1	11/29/06	19.97	-	-	1,170.73	90	1,150.76
1	DW-1	03/20/07	19.30	-	-	1,170.73	90	1,151.43
1	DW-1	09/24/07	19.49	-	-	1,170.73	90	1,151.24
1	DW-1	02/12/08	18.45	-	-	1,170.73	90	1,152.28
1	DW-1	11/10/08	18.29	-	-	1,170.73	90	1,152.44
1	DW-1	02/11/09	19.24	-	-	1,170.73	90	1,151.49
1	DW-1	08/11/09	18.45	-	-	1,170.73	90	1,152.28
1	DW-1	02/03/10	17.14	-	-	1,170.73	90	1,153.59
2	DW-2	03/16/98	17.68	-	-	1,170.44	85	1,152.76
2	DW-2	03/25/98	20.12	-	-	1,170.44	85	1,150.32

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
2	DW-2	04/22/98	17.30	-	-	1,170.44	85	1,153.14
2	DW-2	05/20/98	18.09	-	-	1,170.44	85	1,152.35
2	DW-2	05/21/98	18.88	-	-	1,170.44	85	1,151.56
2	DW-2	06/13/98	18.64	-	-	1,170.44	85	1,151.80
2	DW-2	08/20/98	19.25	-	-	1,170.44	85	1,151.19
2	DW-2*	12/23/98	20.33	-	-	1,170.44	85	1,150.11
2	DW-2	12/23/98	20.31	-	-	1,170.44	85	1,150.13
2	DW-2	12/30/98	21.03	-	-	1,170.44	85	1,149.41
2	DW-2	01/25/99	20.94	-	-	1,170.44	85	1,149.50
2	DW-2	02/18/99	21.59	-	-	1,170.44	85	1,148.85
2	DW-2	03/17/99	20.92	-	-	1,170.44	85	1,149.52
2	DW-2	03/18/99	21.29	-	-	1,170.44	85	1,149.15
2	DW-2	04/22/99	19.27	-	-	1,170.44	85	1,151.17
2	DW-2	04/28/99	19.93	-	-	1,170.44	85	1,150.51
2	DW-2	05/21/99	18.74	-	-	1,170.44	85	1,151.70
2	DW-2	07/19/99	19.75	-	-	1,170.44	85	1,150.69
2	DW-2	08/23/99	21.17	-	-	1,170.44	85	1,149.27
2	DW-2	09/22/99	19.58	-	-	1,170.44	85	1,150.86
2	DW-2	10/25/99	20.47	-	-	1,170.44	85	1,149.97
2	DW-2	11/24/99	19.85	-	-	1,170.44	85	1,150.59
2	DW-2	12/09/99	20.73	-	-	1,170.44	85	1,149.71
2	DW-2	01/13/00	20.87	-	-	1,170.44	85	1,149.57
2	DW-2	02/17/00	20.97	-	-	1,170.44	85	1,149.47
2	DW-2	04/20/00	21.02	-	-	1,170.44	85	1,149.42
2	DW-2	05/23/00	20.70	-	-	1,170.44	85	1,149.74
2	DW-2	06/17/00	21.74	-	-	1,170.44	85	1,148.70
2	DW-2	07/27/00	21.01	-	-	1,170.44	85	1,149.43
2	DW-2	08/16/00	22.27	-	-	1,170.44	85	1,148.17
2	DW-2	09/12/00	21.29	-	-	1,170.44	85	1,149.15
2	DW-2	10/20/00	21.55	-	-	1,170.44	85	1,148.89
2	DW-2	12/13/00	22.62	-	-	1,170.44	85	1,147.82
2	DW-2	01/16/01	21.32	-	-	1,170.44	85	1,149.12
2	DW-2	02/15/01	23.31	-	-	1,170.44	85	1,147.13
2	DW-2	04/12/01	19.21	-	-	1,170.44	85	1,151.23
2	DW-2	05/11/01	18.76	-	-	1,170.44	85	1,151.68
2	DW-2	06/22/01	19.13	-	-	1,170.44	85	1,151.31
2	DW-2	07/30/01	19.94	-	-	1,170.44	85	1,150.50
2	DW-2	08/13/01	19.78	-	-	1,170.44	85	1,150.66
2	DW-2	09/11/01	20.61	-	-	1,170.44	85	1,149.83
2	DW-2	10/09/01	19.66	-	-	1,170.44	85	1,150.78
2	DW-2	11/19/01	21.48	-	-	1,170.44	85	1,148.96
2	DW-2	12/03/01	20.20	-	-	1,170.44	85	1,150.24
2	DW-2	01/29/02	21.31	-	-	1,170.44	85	1,149.13
2	DW-2	02/08/02	21.76	-	-	1,170.44	85	1,148.68
2	DW-2	03/19/02	22.69	-	-	1,170.44	85	1,147.75
2	DW-2	04/16/02	19.97	-	-	1,170.44	85	1,150.47
2	DW-2	05/23/02	20.10	-	-	1,170.44	85	1,150.34
2	DW-2	06/07/02	19.77	-	-	1,170.44	85	1,150.67
2	DW-2	08/19/02	17.52	-	-	1,170.44	85	1,152.92
2	DW-2	11/05/02	17.12	-	-	1,170.44	85	1,153.32
2	DW-2	01/16/03	18.51	-	-	1,170.44	85	1,151.93
2	DW-2	04/03/03	20.16	-	-	1,170.44	85	1,150.28
2	DW-2	07/24/03	19.40	-	-	1,170.44	85	1,151.04
2	DW-2	10/24/03	19.33	-	-	1,170.44	85	1,151.11
2	DW-2	02/04/04	19.85	-	-	1,170.44	85	1,150.59
2	DW-2	04/07/04	19.86	-	-	1,170.44	85	1,150.58
2	DW-2	08/24/04	19.05	-	-	1,170.44	85	1,151.39
2	DW-2	02/16/05	19.77	-	-	1,170.44	85	1,150.67
2	DW-2	11/02/05	16.81	-	-	1,170.44	85	1,153.63
2	DW-2	05/04/06	15.67	-	-	1,170.44	85	1,154.77
2	DW-2	11/29/06	20.41	-	-	1,170.44	85	1,150.03
2	DW-2	03/20/07	19.06	-	-	1,170.44	85	1,151.38
2	DW-2	09/24/07	19.13	-	-	1,170.44	85	1,151.31
2	DW-2	02/12/08	18.23	-	-	1,170.44	85	1,152.21
2	DW-2	11/10/08	18.00	-	-	1,170.44	85	1,152.44
2	DW-2	02/11/09	19.22	-	-	1,170.44	85	1,151.22
2	DW-2	08/11/09	18.00	-	-	1,170.44	85	1,152.44
2	DW-2	02/03/10	16.84	-	-	1,170.44	85	1,153.60
3	DW-3	03/16/98	24.08	-	-	1,176.29	90	1,152.21
3	DW-3	03/25/98	24.44	-	-	1,176.29	90	1,151.85

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
3	DW-3	04/22/98	23.23	-	-	1,176.29	90	1,153.06
3	DW-3	05/20/98	24.00	-	-	1,176.29	90	1,152.29
3	DW-3	05/21/98	25.25	-	-	1,176.29	90	1,151.04
3	DW-3	06/13/98	24.46	-	-	1,176.29	90	1,151.83
3	DW-3	08/20/98	24.48	-	-	1,176.29	90	1,151.81
3	DW-3	09/08/98	26.38	-	-	1,176.29	90	1,149.91
3	DW-3*	12/23/98	26.79	-	-	1,176.29	90	1,149.50
3	DW-3	12/23/98	26.74	-	-	1,176.29	90	1,149.55
3	DW-3	12/30/98	26.68	-	-	1,176.29	90	1,149.61
3	DW-3	01/25/99	27.24	-	-	1,176.29	90	1,149.05
3	DW-3	02/18/99	27.84	-	-	1,176.29	90	1,148.45
3	DW-3	03/17/99	27.30	-	-	1,176.29	90	1,148.99
3	DW-3	04/22/99	26.06	-	-	1,176.29	90	1,150.23
3	DW-3	04/28/99	26.42	-	-	1,176.29	90	1,149.87
3	DW-3	05/21/99	25.07	-	-	1,176.29	90	1,151.22
3	DW-3	07/19/99	25.85	-	-	1,176.29	90	1,150.44
3	DW-3	08/23/99	26.17	-	-	1,176.29	90	1,150.12
3	DW-3	09/22/99	25.50	-	-	1,176.29	90	1,150.79
3	DW-3	10/25/99	26.67	-	-	1,176.29	90	1,149.62
3	DW-3	11/24/99	27.27	-	-	1,176.29	90	1,149.02
3	DW-3	12/09/99	27.12	-	-	1,176.29	90	1,149.17
3	DW-3	01/13/00	27.57	-	-	1,176.29	90	1,148.72
3	DW-3	02/17/00	22.57	-	-	1,176.29	90	1,153.72
3	DW-3	04/20/00	28.11	-	-	1,176.29	90	1,148.18
3	DW-3	05/23/00	27.42	-	-	1,176.29	90	1,148.87
3	DW-3	06/17/00	27.96	-	-	1,176.29	90	1,148.33
3	DW-3	07/27/00	28.77	-	-	1,176.29	90	1,147.52
3	DW-3	08/16/00	28.62	-	-	1,176.29	90	1,147.67
3	DW-3	09/12/00	26.99	-	-	1,176.29	90	1,149.30
3	DW-3	10/20/00	28.47	-	-	1,176.29	90	1,147.82
3	DW-3	12/13/00	28.95	-	-	1,176.29	90	1,147.34
3	DW-3	01/16/01	28.55	-	-	1,176.29	90	1,147.74
3	DW-3	04/12/01	26.88	-	-	1,176.29	90	1,149.41
3	DW-3	05/11/01	24.77	-	-	1,176.29	90	1,151.52
3	DW-3	06/22/01	25.29	-	-	1,176.29	90	1,151.00
3	DW-3	07/30/01	25.59	-	-	1,176.29	90	1,150.70
3	DW-3	08/13/01	26.37	-	-	1,176.29	90	1,149.92
3	DW-3	09/11/01	26.49	-	-	1,176.29	90	1,149.80
3	DW-3	10/09/01	25.91	-	-	1,176.29	90	1,150.38
3	DW-3	11/19/01	27.02	-	-	1,176.29	90	1,149.27
3	DW-3	12/03/01	26.53	-	-	1,176.29	90	1,149.76
3	DW-3	01/29/02	27.80	-	-	1,176.29	90	1,148.49
3	DW-3	02/08/02	28.26	-	-	1,176.29	90	1,148.03
3	DW-3	03/19/02	28.57	-	-	1,176.29	90	1,147.72
3	DW-3	04/16/02	26.91	-	-	1,176.29	90	1,149.38
3	DW-3	05/23/02	26.71	-	-	1,176.29	90	1,149.58
3	DW-3	06/07/02	26.11	-	-	1,176.29	90	1,150.18
3	DW-3	08/19/02	24.00	-	-	1,176.29	90	1,152.29
3	DW-3	11/05/02	23.38	-	-	1,176.29	90	1,152.91
3	DW-3	01/16/03	24.31	-	-	1,176.29	90	1,151.98
3	DW-3	04/03/03	25.45	-	-	1,176.29	90	1,150.84
3	DW-3	07/24/03	24.69	-	-	1,176.29	90	1,151.60
3	DW-3	10/24/03	25.58	-	-	1,176.29	90	1,150.71
3	DW-3	02/04/04	26.06	-	-	1,176.29	90	1,150.23
3	DW-3	04/07/04	26.36	-	-	1,176.29	90	1,149.93
3	DW-3	08/24/04	26.42	-	-	1,176.29	90	1,149.87
3	DW-3	02/16/05	26.09	-	-	1,176.29	90	1,150.20
3	DW-3	11/02/05	23.00	-	-	1,176.29	90	1,153.29
3	DW-3	05/04/06	22.17	-	-	1,176.29	90	1,154.12
3	DW-3	05/04/06	Abandoned					
3	DW-3R	05/03/07	23.25	-	-	1,174.49	92	1,151.24
3	DW-3R	09/24/07	24.98	-	-	1,174.49	92	1,149.51
3	DW-3R	02/12/08	23.87	-	-	1,174.49	92	1,150.62
3	DW-3R	11/10/08	24.70	-	-	1,174.49	92	1,149.79
3	DW-3R	02/11/09	24.70	-	-	1,174.49	92	1,149.79
3	DW-3R	08/11/09	23.83	-	-	1,174.49	92	1,150.66
3	DW-3R	02/03/10	22.19	-	-	1,174.49	92	1,152.30
4	DW-4	03/16/98	19.17	-	-	1,171.74	90	1,152.57
4	DW-4	03/25/98	20.08	-	-	1,171.74	90	1,151.66
4	DW-4	04/22/98	18.95	-	-	1,171.74	90	1,152.79

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
4	DW-4	05/20/98	19.78	-	-	1,171.74	90	1,151.96
4	DW-4	05/21/98	20.77	-	-	1,171.74	90	1,150.97
4	DW-4	06/13/98	19.77	-	-	1,171.74	90	1,151.97
4	DW-4	08/20/98	20.78	-	-	1,171.74	90	1,150.96
4	DW-4	09/08/98	21.80	-	-	1,171.74	90	1,149.94
4	DW-4	01/25/99	22.62	-	-	1,171.74	90	1,149.12
4	DW-4	02/18/99	23.55	-	-	1,171.74	90	1,148.19
4	DW-4	03/17/99	23.15	-	-	1,171.74	90	1,148.59
4	DW-4	04/22/99	21.34	-	-	1,171.74	90	1,150.40
4	DW-4	04/28/99	22.33	-	-	1,171.74	90	1,149.41
4	DW-4	05/21/99	21.05	-	-	1,171.74	90	1,150.69
4	DW-4	07/19/99	22.06	-	-	1,171.74	90	1,149.68
4	DW-4	08/23/99	22.61	-	-	1,171.74	90	1,149.13
4	DW-4	09/22/99	21.38	-	-	1,171.74	90	1,150.36
4	DW-4	10/25/99	21.93	-	-	1,171.74	90	1,149.81
4	DW-4	11/24/99	22.91	-	-	1,171.74	90	1,148.83
4	DW-4	12/09/99	22.85	-	-	1,171.74	90	1,148.89
4	DW-4	01/13/00	23.04	-	-	1,171.74	90	1,148.70
4	DW-4	02/17/00	23.89	-	-	1,171.74	90	1,147.85
4	DW-4	04/20/00	24.18	-	-	1,171.74	90	1,147.56
4	DW-4	05/23/00	23.16	-	-	1,171.74	90	1,148.58
4	DW-4	06/17/00	23.82	-	-	1,171.74	90	1,147.92
4	DW-4	07/27/00	22.69	-	-	1,171.74	90	1,149.05
4	DW-4	08/16/00	23.67	-	-	1,171.74	90	1,148.07
4	DW-4	09/12/00	23.46	-	-	1,171.74	90	1,148.28
4	DW-4	10/20/00	24.50	-	-	1,171.74	90	1,147.24
4	DW-4	12/13/00	24.86	-	-	1,171.74	90	1,146.88
4	DW-4	01/16/01	23.58	-	-	1,171.74	90	1,148.16
4	DW-4	02/15/01	25.82	-	-	1,171.74	90	1,145.92
4	DW-4	03/08/01	24.74	-	-	1,171.74	90	1,147.00
4	DW-4	04/12/01	21.95	-	-	1,171.74	90	1,149.79
4	DW-4	05/11/01	19.96	-	-	1,171.74	90	1,151.78
4	DW-4	06/22/01	20.83	-	-	1,171.74	90	1,150.91
4	DW-4	07/30/01	21.60	-	-	1,171.74	90	1,150.14
4	DW-4	08/13/01	21.92	-	-	1,171.74	90	1,149.82
4	DW-4	09/11/01	22.52	-	-	1,171.74	90	1,149.22
4	DW-4	10/09/01	21.66	-	-	1,171.74	90	1,150.08
4	DW-4	11/19/01	22.41	-	-	1,171.74	90	1,149.33
4	DW-4	12/03/01	21.75	-	-	1,171.74	90	1,149.99
4	DW-4	01/29/02	22.76	-	-	1,171.74	90	1,148.98
4	DW-4	02/08/02	23.26	-	-	1,171.74	90	1,148.48
4	DW-4	03/19/02	23.54	-	-	1,171.74	90	1,148.20
4	DW-4	04/16/02	21.67	-	-	1,171.74	90	1,150.07
4	DW-4	05/23/02	21.15	-	-	1,171.74	90	1,150.59
4	DW-4	06/07/02	20.90	-	-	1,171.74	90	1,150.84
4	DW-4	08/19/02	18.97	-	-	1,171.74	90	1,152.77
4	DW-4	11/05/02	18.46	-	-	1,171.74	90	1,153.28
4	DW-4	01/16/03	20.10	-	-	1,171.74	90	1,151.64
4	DW-4	04/03/03	20.64	-	-	1,171.74	90	1,151.10
4	DW-4	07/24/03	19.68	-	-	1,171.74	90	1,152.06
4	DW-4	10/24/03	20.66	-	-	1,171.74	90	1,151.08
4	DW-4	02/04/04	21.21	-	-	1,171.74	90	1,150.53
4	DW-4	04/07/04	21.37	-	-	1,171.74	90	1,150.37
4	DW-4	08/24/04	20.35	-	-	1,171.74	90	1,151.39
4	DW-4	11/02/05	18.05	-	-	1,171.74	90	1,153.69
4	DW-4	02/16/05	21.09	-	-	1,171.74	90	1,150.65
4	DW-4	05/04/06	17.51	-	-	1,171.74	90	1,154.23
4	DW-4	11/29/06	21.01	-	-	1,171.74	90	1,150.73
4	DW-4	03/20/07	20.60	-	-	1,171.74	90	1,151.14
4	DW-4	09/24/07	20.47	-	-	1,171.74	90	1,151.27
4	DW-4	02/12/08	19.92	-	-	1,171.74	90	1,151.82
4	DW-4	11/10/08	19.39	-	-	1,171.74	90	1,152.35
4	DW-4	02/11/09	20.65	-	-	1,171.74	90	1,151.09
4	DW-4	08/11/09	19.32	-	-	1,171.74	90	1,152.42
4	DW-4	02/03/10	18.24	-	-	1,171.74	90	1,153.50
5	MW-10D	04/22/98	18.67	-	-	1,172.25	90	1,153.58
5	MW-10D	05/20/98	19.55	-	-	1,172.25	90	1,152.70
5	MW-10D	05/21/98	21.78	-	-	1,172.25	90	1,150.47
5	MW-10D	06/13/98	20.82	-	-	1,172.25	90	1,151.43
5	MW-10D	08/20/98	21.94	-	-	1,172.25	90	1,150.31

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
5	MW-10D	09/08/98	23.10	-	-	1,172.25	90	1,149.15
5	MW-10D*	12/23/98	23.22	-	-	1,172.25	90	1,149.03
5	MW-10D	12/23/98	23.20	-	-	1,172.25	90	1,149.05
5	MW-10D	12/30/98	23.13	-	-	1,172.25	90	1,149.12
5	MW-10D	01/25/99	23.55	-	-	1,172.25	90	1,148.70
5	MW-10D	02/18/99	24.17	-	-	1,172.25	90	1,148.08
5	MW-10D	03/17/99	23.78	-	-	1,172.25	90	1,148.47
5	MW-10D	03/18/99	23.51	-	-	1,172.25	90	1,148.74
5	MW-10D	04/22/99	21.88	-	-	1,172.25	90	1,150.37
5	MW-10D	04/28/99	22.18	-	-	1,172.25	90	1,150.07
5	MW-10D	05/21/99	20.94	-	-	1,172.25	90	1,151.31
5	MW-10D	07/19/99	21.74	-	-	1,172.25	90	1,150.51
5	MW-10D	08/23/99	22.12	-	-	1,172.25	90	1,150.13
5	MW-10D	09/22/99	21.24	-	-	1,172.25	90	1,151.01
5	MW-10D	10/25/99	22.68	-	-	1,172.25	90	1,149.57
5	MW-10D	11/24/99	23.29	-	-	1,172.25	90	1,148.96
5	MW-10D	12/09/99	23.12	-	-	1,172.25	90	1,149.13
5	MW-10D	01/13/00	23.41	-	-	1,172.25	90	1,148.84
5	MW-10D	02/17/00	23.47	-	-	1,172.25	90	1,148.78
5	MW-10D	05/23/00	23.25	-	-	1,172.25	90	1,149.00
5	MW-10D	04/20/00	23.97	-	-	1,172.25	90	1,148.28
5	MW-10D	06/17/00	27.34	-	-	1,172.25	90	1,144.91
5	MW-10D	07/27/00	23.57	-	-	1,172.25	90	1,148.68
5	MW-10D	08/16/00	22.13	-	-	1,172.25	90	1,150.12
5	MW-10D	09/12/00	24.02	-	-	1,172.25	90	1,148.23
5	MW-10D	10/20/00	24.35	-	-	1,172.25	90	1,147.90
5	MW-10D	12/13/00	24.74	-	-	1,172.25	90	1,147.51
5	MW-10D	01/16/01	23.87	-	-	1,172.25	90	1,148.38
5	MW-10D	02/15/01	25.95	-	-	1,172.25	90	1,146.30
5	MW-10D	03/08/01	24.73	-	-	1,172.25	90	1,147.52
5	MW-10D	04/12/01	22.39	-	-	1,172.25	90	1,149.86
5	MW-10D	05/11/01	20.91	-	-	1,172.25	90	1,151.34
5	MW-10D	06/22/01	21.48	-	-	1,172.25	90	1,150.77
5	MW-10D	07/30/01	22.14	-	-	1,172.25	90	1,150.11
5	MW-10D	08/13/01	22.52	-	-	1,172.25	90	1,149.73
5	MW-10D	09/11/01	21.96	-	-	1,172.25	90	1,150.29
5	MW-10D	10/09/01	21.49	-	-	1,172.25	90	1,150.76
5	MW-10D	11/19/01	23.59	-	-	1,172.25	90	1,148.66
5	MW-10D	12/03/01	23.00	-	-	1,172.25	90	1,149.25
5	MW-10D	01/29/02	24.37	-	-	1,172.25	90	1,147.88
5	MW-10D	02/08/02	24.68	-	-	1,172.25	90	1,147.57
5	MW-10D	03/19/02	25.11	-	-	1,172.25	90	1,147.14
5	MW-10D	04/16/02	19.71	-	-	1,172.25	90	1,152.54
5	MW-10D	05/23/02	22.40	-	-	1,172.25	90	1,149.85
5	MW-10D	06/07/02	22.63	-	-	1,172.25	90	1,149.62
5	MW-10D	08/19/02	20.09	-	-	1,172.25	90	1,152.16
5	MW-10D	11/05/02	15.00	-	-	1,172.25	90	1,157.25
5	MW-10D	01/16/03	16.47	-	-	1,172.25	90	1,155.78
5	MW-10D	04/03/03	17.75	-	-	1,172.25	90	1,154.50
5	MW-10D	07/24/03	16.16	-	-	1,172.25	90	1,156.09
5	MW-10D	10/24/03	21.83	-	-	1,172.25	90	1,150.42
5	MW-10D	02/04/04	19.13	-	-	1,172.25	90	1,153.12
5	MW-10D	04/07/04	22.55	-	-	1,172.25	90	1,149.70
5	MW-10D	08/24/04	21.64	-	-	1,172.25	90	1,150.61
5	MW-10D	02/16/05	22.25	-	-	1,172.25	90	1,150.00
5	MW-10D	11/02/05	19.22	-	-	1,172.25	90	1,153.03
5	MW-10D	05/04/06	17.80	-	-	1,172.25	90	1,154.45
5	MW-10D	11/29/06	21.78	-	-	1,172.25	90	1,150.47
5	MW-10D	03/20/07	21.55	-	-	1,172.25	90	1,150.70
5	MW-10D	09/24/07	22.11	-	-	1,172.25	90	1,150.14
5	MW-10D	02/12/08	20.16	-	-	1,172.25	90	1,152.09
5	MW-10D	11/10/08	20.52	-	-	1,172.25	90	1,151.73
5	MW-10D	02/11/09	21.51	-	-	1,172.25	90	1,150.74
5	MW-10D	08/11/09	20.61	-	-	1,172.25	90	1,151.64
5	MW-10D	02/03/10	18.79	-	-	1,172.25	90	1,153.46
6	MW-14D	04/22/98	21.89	-	-	1,175.48	90	1,153.59
6	MW-14D	05/20/98	23.00	-	-	1,175.48	90	1,152.48
6	MW-14D	05/21/98	24.35	-	-	1,175.48	90	1,151.13
6	MW-14D	06/13/98	23.99	-	-	1,175.48	90	1,151.49
6	MW-14D	08/20/98	24.54	-	-	1,175.48	90	1,150.94

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
6	MW-14D	09/08/98	26.02	-	-	1,175.48	90	1,149.46
6	MW-14D*	12/23/98	25.85	-	-	1,175.48	90	1,149.63
6	MW-14D	12/23/98	25.85	-	-	1,175.48	90	1,149.63
6	MW-14D	12/30/98	26.03	-	-	1,175.48	90	1,149.45
6	MW-14D	01/25/99	26.48	-	-	1,175.48	90	1,149.00
6	MW-14D	02/18/99	27.03	-	-	1,175.48	90	1,148.45
6	MW-14D	03/17/99	26.46	-	-	1,175.48	90	1,149.02
6	MW-14D	04/22/99	25.12	-	-	1,175.48	90	1,150.36
6	MW-14D	04/28/99	25.13	-	-	1,175.48	90	1,150.35
6	MW-14D	05/21/99	24.11	-	-	1,175.48	90	1,151.37
6	MW-14D	06/24/99	24.10	-	-	1,175.48	90	1,151.38
6	MW-14D	07/19/99	25.01	-	-	1,175.48	90	1,150.47
6	MW-14D	08/23/99	25.68	-	-	1,175.48	90	1,149.80
6	MW-14D	09/22/99	24.70	-	-	1,175.48	90	1,150.78
6	MW-14D	10/25/99	25.32	-	-	1,175.48	90	1,150.16
6	MW-14D	11/24/99	26.40	-	-	1,175.48	90	1,149.08
6	MW-14D	12/09/99	26.28	-	-	1,175.48	90	1,149.20
6	MW-14D	01/13/00	26.58	-	-	1,175.48	90	1,148.90
6	MW-14D	02/17/00	26.50	-	-	1,175.48	90	1,148.98
6	MW-14D	04/20/00	26.43	-	-	1,175.48	90	1,149.05
6	MW-14D	05/23/00	26.31	-	-	1,175.48	90	1,149.17
6	MW-14D	06/17/00	26.05	-	-	1,175.48	90	1,149.43
6	MW-14D	07/27/00	26.50	-	-	1,175.48	90	1,148.98
6	MW-14D	08/16/00	25.55	-	-	1,175.48	90	1,149.93
6	MW-14D	09/12/00	27.31	-	-	1,175.48	90	1,148.17
6	MW-14D	10/20/00	27.45	-	-	1,175.48	90	1,148.03
6	MW-14D	12/13/00	27.97	-	-	1,175.48	90	1,147.51
6	MW-14D	01/16/01	25.20	-	-	1,175.48	90	1,150.28
6	MW-14D	02/15/01	26.48	-	-	1,175.48	90	1,149.00
6	MW-14D	03/08/01	27.64	-	-	1,175.48	90	1,147.84
6	MW-14D	04/12/01	25.87	-	-	1,175.48	90	1,149.61
6	MW-14D	05/11/01	23.66	-	-	1,175.48	90	1,151.82
6	MW-14D	06/22/01	24.19	-	-	1,175.48	90	1,151.29
6	MW-14D	07/30/01	24.69	-	-	1,175.48	90	1,150.79
6	MW-14D	08/13/01	25.38	-	-	1,175.48	90	1,150.10
6	MW-14D	09/11/01	25.18	-	-	1,175.48	90	1,150.30
6	MW-14D	10/09/01	24.87	-	-	1,175.48	90	1,150.61
6	MW-14D	11/19/01	26.15	-	-	1,175.48	90	1,149.33
6	MW-14D	12/03/01	25.64	-	-	1,175.48	90	1,149.84
6	MW-14D	01/29/02	26.77	-	-	1,175.48	90	1,148.71
6	MW-14D	02/08/02	27.18	-	-	1,175.48	90	1,148.30
6	MW-14D	03/19/02	27.87	-	-	1,175.48	90	1,147.61
6	MW-14D	04/16/02	25.56	-	-	1,175.48	90	1,149.92
6	MW-14D	05/23/02	25.40	-	-	1,175.48	90	1,150.08
6	MW-14D	06/07/02	25.74	-	-	1,175.48	90	1,149.74
6	MW-14D	08/19/02	22.92	-	-	1,175.48	90	1,152.56
6	MW-14D	11/05/02	22.25	-	-	1,175.48	90	1,153.23
6	MW-14D	01/16/03	23.43	-	-	1,175.48	90	1,152.05
6	MW-14D	04/03/03	24.98	-	-	1,175.48	90	1,150.50
6	MW-14D	07/24/03	23.57	-	-	1,175.48	90	1,151.91
6	MW-14D	10/24/03	24.59	-	-	1,175.48	90	1,150.89
6	MW-14D	02/04/04	-	-	-	1,175.48	90	-
6	MW-14D	04/07/04	25.33	-	-	1,175.48	90	1,150.15
6	MW-14D	08/24/04	24.56	-	-	1,175.48	90	1,150.92
6	MW-14D	02/16/05	24.11	-	-	1,175.48	90	1,151.37
6	MW-14D	11/02/05	22.93	-	-	1,175.48	90	1,152.55
6	MW-14D	05/04/06	20.91	-	-	1,175.48	90	1,154.57
6	MW-14D	11/29/06	24.56	-	-	1,175.48	90	1,150.92
6	MW-14D	03/20/07	24.64	-	-	1,175.48	90	1,150.84
6	MW-14D	09/24/07	24.96	-	-	1,175.48	90	1,150.52
6	MW-14D	02/12/08	23.37	-	-	1,175.48	90	1,152.11
6	MW-14D	11/10/08	23.35	-	-	1,175.48	90	1,152.13
6	MW-14D	02/11/09	24.30	-	-	1,175.48	90	1,151.18
6	MW-14D	08/11/09	23.42	-	-	1,175.48	90	1,152.06
6	MW-14D	02/03/10	21.92	-	-	1,175.48	90	1,153.56
7	MW-5	04/22/98	16.80	-	-	1,170.41	89	1,153.61
7	MW-5	05/20/98	17.70	-	-	1,170.41	89	1,152.71
7	MW-5	05/21/98	20.55	-	-	1,170.41	89	1,149.86
7	MW-5	06/13/98	18.79	-	-	1,170.41	89	1,151.62
7	MW-5	08/20/98	20.56	-	-	1,170.41	89	1,149.85

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
7	MW-5*	12/23/98	21.49	-	-	1,170.41	89	1,148.92
7	MW-5	12/23/98	21.50	-	-	1,170.41	89	1,148.91
7	MW-5	12/30/98	21.43	-	-	1,170.41	89	1,148.98
7	MW-5	01/25/99	21.77	-	-	1,170.41	89	1,148.64
7	MW-5	02/18/99	22.36	-	-	1,170.41	89	1,148.05
7	MW-5	03/17/99	22.06	-	-	1,170.41	89	1,148.35
7	MW-5	03/18/99	21.68	-	-	1,170.41	89	1,148.73
7	MW-5	04/22/99	19.79	-	-	1,170.41	89	1,150.62
7	MW-5	05/21/99	18.97	-	-	1,170.41	89	1,151.44
7	MW-5	07/19/99	19.86	-	-	1,170.41	89	1,150.55
7	MW-5	08/23/99	20.82	-	-	1,170.41	89	1,149.59
7	MW-5	09/22/99	19.26	-	-	1,170.41	89	1,151.15
7	MW-5	10/25/99	19.93	-	-	1,170.41	89	1,150.48
7	MW-5	11/24/99	29.44	-	-	1,170.41	89	1,140.97
7	MW-5	12/09/99	21.16	-	-	1,170.41	89	1,149.25
7	MW-5	01/13/00	21.45	-	-	1,170.41	89	1,148.96
7	MW-5	02/17/00	21.45	-	-	1,170.41	89	1,148.96
7	MW-5	04/20/00	22.02	-	-	1,170.41	89	1,148.39
7	MW-5	05/23/00	21.21	-	-	1,170.41	89	1,149.20
7	MW-5	06/17/00	25.54	-	-	1,170.41	89	1,144.87
7	MW-5	07/27/00	21.59	-	-	1,170.41	89	1,148.82
7	MW-5	08/16/00	19.27	-	-	1,170.41	89	1,151.14
7	MW-5	09/12/00	22.26	-	-	1,170.41	89	1,148.15
7	MW-5	10/20/00	22.35	-	-	1,170.41	89	1,148.06
7	MW-5	12/13/00	22.62	-	-	1,170.41	89	1,147.79
7	MW-5	03/08/01	23.64	-	-	1,170.41	89	1,146.77
7	MW-5	04/12/01	20.20	-	-	1,170.41	89	1,150.21
7	MW-5	07/30/01	20.39	-	-	1,170.41	89	1,150.02
7	MW-5	08/13/01	20.67	-	-	1,170.41	89	1,149.74
7	MW-5	09/11/01	20.96	-	-	1,170.41	89	1,149.45
7	MW-5	10/09/01	19.56	-	-	1,170.41	89	1,150.85
7	MW-5	01/29/02	22.65	-	-	1,170.41	89	1,147.76
7	MW-5	03/19/02	23.25	-	-	1,170.41	89	1,147.16
7	MW-5	04/16/02	21.25	-	-	1,170.41	89	1,149.16
7	MW-5	05/23/02	20.74	-	-	1,170.41	89	1,149.67
7	MW-5	06/07/02	21.04	-	-	1,170.41	89	1,149.37
7	MW-5	08/19/02	18.24	-	-	1,170.41	89	1,152.17
7	MW-5	11/05/02	17.74	-	-	1,170.41	89	1,152.67
7	MW-5	01/16/03	19.01	-	-	1,170.41	89	1,151.40
7	MW-5	04/03/03	20.24	-	-	1,170.41	89	1,150.17
7	MW-5	07/24/03	18.98	-	-	1,170.41	89	1,151.43
7	MW-5	10/24/03	20.04	-	-	1,170.41	89	1,150.37
7	MW-5	02/04/04	-	-	-	1,170.41	89	-
7	MW-5	04/07/04	dry	-	-	1,170.41	89	-
7	MW-5	08/24/04	17.29	-	-	1,170.41	89	1,153.12
7	MW-5	02/16/05	20.36	-	-	1,170.41	89	1,150.05
7	MW-5	11/02/05	17.46	-	-	1,170.41	89	1,152.95
7	MW-5	05/04/06	15.61	-	-	1,170.41	89	1,154.80
7	MW-5	11/29/06	20.08	-	-	1,170.41	89	1,150.33
7	MW-5	03/20/07	22.14	-	-	1,170.41	89	1,148.27
7	MW-5	09/24/07	20.40	-	-	1,170.41	89	1,150.01
7	MW-5	02/12/08	18.21	-	-	1,170.41	89	1,152.20
7	MW-5	08/11/09	18.75	-	-	1,170.41	89	1,151.66
8	MW-7	04/22/98	19.38	-	-	1,172.20	80	1,152.82
8	MW-7	05/20/98	19.64	-	-	1,172.20	80	1,152.56
8	MW-7	05/21/98	20.85	-	-	1,172.20	80	1,151.35
8	MW-7	06/13/98	20.74	-	-	1,172.20	80	1,151.46
8	MW-7	08/20/98	21.20	-	-	1,172.20	80	1,151.00
8	MW-7	09/08/98	22.47	-	-	1,172.20	80	1,149.73
8	MW-7*	12/23/98	22.20	-	-	1,172.20	80	1,150.00
8	MW-7	12/23/98	22.26	-	-	1,172.20	80	1,149.94
8	MW-7	12/30/98	22.81	-	-	1,172.20	80	1,149.39
8	MW-7	01/25/99	22.92	-	-	1,172.20	80	1,149.28
8	MW-7	02/18/99	23.73	-	-	1,172.20	80	1,148.47
8	MW-7	03/17/99	23.37	-	-	1,172.20	80	1,148.83
8	MW-7	04/22/99	10.03	-	-	1,172.20	80	1,162.17
8	MW-7	04/28/99	21.76	-	-	1,172.20	80	1,150.44
8	MW-7	05/21/99	21.10	-	-	1,172.20	80	1,151.10
8	MW-7	07/19/99	22.06	-	-	1,172.20	80	1,150.14
8	MW-7	08/23/99	23.16	-	-	1,172.20	80	1,149.04

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987016

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
8	MW-7	09/22/99	22.69	-	-	1,172.20	80	1,149.51
8	MW-7	10/25/99	22.25	-	-	1,172.20	80	1,149.95
8	MW-7	11/24/99	23.10	-	-	1,172.20	80	1,149.10
8	MW-7	12/09/99	22.99	-	-	1,172.20	80	1,149.21
8	MW-7	01/13/00	23.23	-	-	1,172.20	80	1,148.97
8	MW-7	02/17/00	24.05	-	-	1,172.20	80	1,148.15
8	MW-7	04/20/00	24.38	-	-	1,172.20	80	1,147.82
8	MW-7	05/23/00	23.55	-	-	1,172.20	80	1,148.65
8	MW-7	06/17/00	23.21	-	-	1,172.20	80	1,148.99
8	MW-7	07/27/00	23.20	-	-	1,172.20	80	1,149.00
8	MW-7	08/16/00	23.44	-	-	1,172.20	80	1,148.76
8	MW-7	09/12/00	24.82	-	-	1,172.20	80	1,147.38
8	MW-7	Abandoned		-	-			
10	CW-4	03/16/98	21.60	-	-	1,173.38	110	1,151.78
10	CW-4	03/25/98	21.30	-	-	1,173.38	110	1,152.08
10	CW-4	04/22/98	20.32	-	-	1,173.38	110	1,153.06
10	CW-4	05/20/98	20.83	-	-	1,173.38	110	1,152.55
10	CW-4	06/13/98	23.65	-	-	1,173.38	110	1,149.73
10	CW-4	05/21/98	23.85	-	-	1,173.38	110	1,149.53
11	CW-5	04/22/98	39.03	-	-	1,168.49	90	1,129.46
11	CW-5	05/21/98	40.25	-	-	1,168.49	90	1,128.24
12	CW-6	04/22/98	42.25	-	-	1,171.55	97	1,129.30
12	CW-6	05/21/98	42.74	-	-	1,171.55	97	1,128.81
17	Bus Garage	04/22/98	15.67	-	-	1,169.05	50	1,153.38
17	Bus Garage	05/21/98	16.87	-	-	1,169.05	50	1,152.18
17	Bus Garage	08/20/98	17.58	-	-	1,169.05	50	1,151.47
18	CMW	04/22/98	21.18	-	-	1,171.42	120	1,150.24
18	CMW	05/21/98	21.56	-	-	1,171.42	120	1,149.86
18	CMW	08/20/98	23.24	-	-	1,171.42	120	1,148.18
18	CMW	04/28/99	23.53	-	-	1,171.42	120	1,147.89
18	CMW	08/20/98	23.24	-	-	1,171.42	120	1,148.18
18	CMW	05/21/99	22.61	-	-	1,171.42	120	1,148.81
18	CMW	07/19/99	23.64	-	-	1,171.42	120	1,147.78
18	CMW	11/24/99	24.27	-	-	1,171.42	120	1,147.15
18	CMW	12/09/99	24.32	-	-	1,171.42	120	1,147.10
18	CMW	01/13/00	24.34	-	-	1,171.42	120	1,147.08
18	CMW	02/17/00	24.10	-	-	1,171.42	120	1,147.32
18	CMW	04/20/00	24.72	-	-	1,171.42	120	1,146.70
18	CMW	10/20/00	25.51	-	-	1,171.42	120	1,145.91
18	CMW	12/13/00	25.21	-	-	1,171.42	120	1,146.21
18	CMW	01/16/01	25.40	-	-	1,171.42	120	1,146.02
18	CMW	02/15/01	25.64	-	-	1,171.42	120	1,145.78
18	CMW	03/08/01	25.53	-	-	1,171.42	120	1,145.89
18	CMW	04/12/01	23.59	-	-	1,171.42	120	1,147.83
18	CMW	05/11/01	21.13	-	-	1,171.42	120	1,150.29
18	CMW	06/22/01	21.81	-	-	1,171.42	120	1,149.61
18	CMW	08/13/01	24.77	-	-	1,171.42	120	1,146.65
20	MW-1	04/22/98	16.94	-	-	1,170.87	43	1,153.93
20	MW-1	05/21/98	17.76	-	-	1,170.87	43	1,153.11
20	MW-1	08/20/98	19.19	-	-	1,170.87	43	1,151.68
21	MW-2	04/22/98	17.71	-	-	1,171.20	38	1,153.49
21	MW-2	05/21/98	17.83	-	-	1,171.20	38	1,153.37
21	MW-2	08/20/98	19.29	-	-	1,171.20	38	1,151.91
23	MW-1	04/22/98	16.79	16.79	0.00	1,173.74	27	1,156.95
23	MW-1	08/20/98	18.38	18.38	0.00	1,173.74	27	1,155.36
23	MW-1	11/29/06	21.45	18.71	2.74	1,173.74	27	1,154.37
23	MW-1	03/20/07	21.61	19.90	1.71	1,173.74	27	1,153.43
23	MW-1	09/24/07	19.25	19.18	0.07	1,173.74	27	1,154.54
23	MW-1	02/12/08	21.70	19.01	2.69	1,173.74	27	1,154.08
23	MW-1	11/10/08	19.34	18.33	1.01	1,173.74	27	1,155.17
23	MW-1	02/11/09	22.05	19.26	2.79	1,173.74	27	1,153.81
23	MW-1	08/11/09	21.50	18.48	3.02	1,173.74	27	1,154.54
23	MW-1	02/03/10	21.45	16.51	4.94	1,173.74	27	1,156.04

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
24	MW-10	07/17/91	18.54	-	-	1,171.69	27	1,153.15
24	MW-10	08/13/91	17.98	-	-	1,171.69	27	1,153.71
24	MW-10	09/09/91	17.30	-	-	1,171.69	27	1,154.39
24	MW-10	10/31/91	15.33	-	-	1,171.69	27	1,156.36
24	MW-10	01/13/92	16.71	-	-	1,171.69	27	1,154.98
24	MW-10	12/23/93	16.21	-	-	1,171.69	27	1,155.48
24	MW-10	09/21/93	14.64	-	-	1,171.69	27	1,157.05
24	MW-10	06/27/94	14.69	-	-	1,171.69	27	1,157.00
24	MW-10	12/01/94	15.61	-	-	1,171.69	27	1,156.08
24	MW-10	03/09/95	17.03	-	-	1,171.69	27	1,154.66
24	MW-10	07/02/96	14.75	-	-	1,171.69	27	1,156.94
24	MW-10	04/10/97	14.93	-	-	1,171.69	27	1,156.76
24	MW-10	06/13/97	15.34	-	-	1,171.69	27	1,156.35
24	MW-10	09/09/97	14.93	-	-	1,171.69	27	1,156.76
24	MW-10	01/28/98	16.30	-	-	1,171.69	27	1,155.39
24	MW-10	04/22/98	15.01	-	-	1,171.69	27	1,156.68
24	MW-10	04/30/98	14.11	-	-	1,171.69	27	1,157.58
24	MW-10	05/20/98	15.05	-	-	1,171.69	27	1,156.64
24	MW-10	05/21/98	15.22	-	-	1,171.69	27	1,156.47
24	MW-10	06/13/98	15.44	-	-	1,171.69	27	1,156.25
24	MW-10	08/03/98	15.39	-	-	1,171.69	27	1,156.30
24	MW-10	08/20/98	16.20	-	-	1,171.69	27	1,155.49
24	MW-10	12/03/98	17.60	-	-	1,171.69	27	1,154.09
24	MW-10*	12/23/98	17.82	-	-	1,171.69	27	1,153.87
24	MW-10	12/23/98	17.83	-	-	1,171.69	27	1,153.86
24	MW-10	12/30/98	17.96	-	-	1,171.69	27	1,153.73
24	MW-10	01/25/99	18.41	-	-	1,171.69	27	1,153.28
24	MW-10	02/18/99	18.73	-	-	1,171.69	27	1,152.96
24	MW-10	03/17/99	19.09	-	-	1,171.69	27	1,152.60
24	MW-10	03/18/99	19.09	-	-	1,171.69	27	1,152.60
24	MW-10	04/05/99	18.71	-	-	1,171.69	27	1,152.98
24	MW-10	04/22/99	18.23	-	-	1,171.69	27	1,153.46
24	MW-10	04/28/99	18.00	-	-	1,171.69	27	1,153.69
24	MW-10	05/21/99	17.11	-	-	1,171.69	27	1,154.58
24	MW-10	06/21/99	16.25	-	-	1,171.69	27	1,155.44
24	MW-10	07/19/99	16.52	-	-	1,171.69	27	1,155.17
24	MW-10	08/23/99	17.98	-	-	1,171.69	27	1,153.71
24	MW-10	09/22/99	17.52	-	-	1,171.69	27	1,154.17
24	MW-10	10/06/99	17.80	-	-	1,171.69	27	1,153.89
24	MW-10	10/25/99	18.70	-	-	1,171.69	27	1,152.99
24	MW-10	11/24/99	18.60	-	-	1,171.69	27	1,153.09
24	MW-10	12/09/99	18.80	-	-	1,171.69	27	1,152.89
24	MW-10	01/13/00	19.22	-	-	1,171.69	27	1,152.47
24	MW-10	02/17/00	13.60	-	-	1,171.69	27	1,158.09
24	MW-10	04/20/00	20.01	-	-	1,171.69	27	1,151.68
24	MW-10	05/23/00	20.91	-	-	1,171.69	27	1,150.78
24	MW-10	06/17/00	20.24	-	-	1,171.69	27	1,151.45
24	MW-10	07/27/00	19.88	-	-	1,171.69	27	1,151.81
24	MW-10	08/16/00	20.72	-	-	1,171.69	27	1,150.97
24	MW-10	09/12/00	22.29	-	-	1,171.69	27	1,149.40
24	MW-10	10/20/00	20.63	-	-	1,171.69	27	1,151.06
24	MW-10	12/13/00	20.72	-	-	1,171.69	27	1,150.97
24	MW-10	12/28/00	20.74	-	-	1,171.69	27	1,150.95
24	MW-10	01/16/01	20.92	-	-	1,171.69	27	1,150.77
24	MW-10	02/15/01	21.23	-	-	1,171.69	27	1,150.46
24	MW-10	03/08/01	21.39	-	-	1,171.69	27	1,150.30
24	MW-10	03/22/01	21.43	-	-	1,171.69	27	1,150.26
24	MW-10	04/12/01	20.99	-	-	1,171.69	27	1,150.70
24	MW-10	05/11/01	17.89	-	-	1,171.69	27	1,153.80
24	MW-10	06/22/01	16.48	-	-	1,171.69	27	1,155.21
24	MW-10	06/26/01	16.55	-	-	1,171.69	27	1,155.14
24	MW-10	07/30/01	17.05	-	-	1,171.69	27	1,154.64
24	MW-10	08/13/01	17.44	-	-	1,171.69	27	1,154.25
24	MW-10	09/11/01	17.77	-	-	1,171.69	27	1,153.92
24	MW-10	09/28/01	18.10	-	-	1,171.69	27	1,153.59
24	MW-10	10/09/01	18.22	-	-	1,171.69	27	1,153.47
24	MW-10	11/19/01	18.78	-	-	1,171.69	27	1,152.91
24	MW-10	12/03/01	18.77	-	-	1,171.69	27	1,152.92
24	MW-10	01/29/02	19.53	-	-	1,171.69	27	1,152.16
24	MW-10	02/08/02	20.70	-	-	1,171.69	27	1,150.99
24	MW-10	03/12/02	20.15	-	-	1,171.69	27	1,151.54

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
24	MW-10	03/19/02	20.28	-	-	1,171.69	27	1,151.41
24	MW-10	04/16/02	23.10	-	-	1,171.69	27	1,148.59
24	MW-10	05/23/02	18.55	-	-	1,171.69	27	1,153.14
24	MW-10	06/07/02	18.36	-	-	1,171.69	27	1,153.33
24	MW-10	08/19/02	16.48	-	-	1,171.69	27	1,155.21
24	MW-10	10/11/02	14.89	-	-	1,171.69	27	1,156.80
24	MW-10	11/05/02	19.55	-	-	1,171.69	27	1,152.14
24	MW-10	01/16/03	20.73	-	-	1,171.69	27	1,150.96
24	MW-10	04/03/03	21.87	-	-	1,171.69	27	1,149.82
24	MW-10	06/10/03	16.53	-	-	1,171.69	27	1,155.16
24	MW-10	07/24/03	26.67	-	-	1,171.69	27	1,145.02
24	MW-10	10/24/03	17.79	-	-	1,171.69	27	1,153.90
24	MW-10	02/04/03	24.53	-	-	1,171.69	27	1,147.16
24	MW-10	02/25/04	19.43	-	-	1,171.69	27	1,152.26
24	MW-10	04/07/04	19.40	-	-	1,171.69	27	1,152.29
24	MW-10	08/24/04	17.82	-	-	1,171.69	27	1,153.87
24	MW-10	02/16/05	18.71	-	-	1,171.69	27	1,152.98
24	MW-10	11/02/05	15.25	-	-	1,171.69	27	1,156.44
24	MW-10	05/04/06	15.98	-	-	1,171.69	27	1,155.71
24	MW-10	11/29/06	17.99	-	-	1,171.69	27	1,153.70
24	MW-10	03/20/07	19.02	-	-	1,171.69	27	1,152.67
24	MW-10	09/24/07	18.32	-	-	1,171.69	27	1,153.37
24	MW-10	02/12/08	18.01	-	-	1,171.69	27	1,153.68
24	MW-10	11/10/08	17.55	-	-	1,171.69	27	1,154.14
24	MW-10	02/11/09	18.32	-	-	1,171.69	27	1,153.37
24	MW-10	08/11/09	16.77	-	-	1,171.69	27	1,154.92
24	MW-10	02/03/10	15.95	-	-	1,171.69	27	1,155.74
25	MW-14	04/22/98	17.92	-	-	1,173.20	29	1,155.28
25	MW-14	05/20/98	18.26	-	-	1,173.20	29	1,154.94
25	MW-14	05/21/98	18.61	-	-	1,173.20	29	1,154.59
25	MW-14	06/13/98	18.90	-	-	1,173.20	29	1,154.30
25	MW-14	08/20/98	19.80	-	-	1,173.20	29	1,153.40
25	MW-14*	12/23/98	21.30	-	-	1,173.20	29	1,151.90
25	MW-14	12/23/98	21.24	-	-	1,173.20	29	1,151.96
25	MW-14	12/30/98	21.31	-	-	1,173.20	29	1,151.89
25	MW-14	01/25/99	21.80	-	-	1,173.20	29	1,151.40
25	MW-14	02/18/99	22.13	-	-	1,173.20	29	1,151.07
25	MW-14	03/17/99	22.45	-	-	1,173.20	29	1,150.75
25	MW-14	03/18/99	22.47	-	-	1,173.20	29	1,150.73
25	MW-14	04/22/99	21.25	-	-	1,173.20	29	1,151.95
25	MW-14	04/28/99	21.12	-	-	1,173.20	29	1,152.08
25	MW-14	05/21/99	20.17	-	-	1,173.20	29	1,153.03
25	MW-14	06/24/99	19.48	-	-	1,173.20	29	1,153.72
25	MW-14	07/19/99	19.86	-	-	1,173.20	29	1,153.34
25	MW-14	08/23/99	20.74	-	-	1,173.20	29	1,152.46
25	MW-14	09/22/99	20.78	-	-	1,173.20	29	1,152.42
25	MW-14	10/25/99	21.32	-	-	1,173.20	29	1,151.88
25	MW-14	11/24/99	21.80	-	-	1,173.20	29	1,151.40
25	MW-14	12/09/99	21.98	-	-	1,173.20	29	1,151.22
25	MW-14	01/13/00	22.35	-	-	1,173.20	29	1,150.85
25	MW-14	02/17/00	22.56	-	-	1,173.20	29	1,150.64
25	MW-14	04/20/00	22.91	-	-	1,173.20	29	1,150.29
25	MW-14	05/23/00	22.91	-	-	1,173.20	29	1,150.29
25	MW-14	06/17/00	23.04	-	-	1,173.20	29	1,150.16
25	MW-14	07/27/00	22.64	-	-	1,173.20	29	1,150.56
25	MW-14	08/16/00	22.97	-	-	1,173.20	29	1,150.23
25	MW-14	09/12/00	23.09	-	-	1,173.20	29	1,150.11
25	MW-14	10/20/00	23.51	-	-	1,173.20	29	1,149.69
25	MW-14	12/13/00	23.44	-	-	1,173.20	29	1,149.76
25	MW-14	01/16/01	23.68	-	-	1,173.20	29	1,149.52
25	MW-14	02/15/01	23.98	-	-	1,173.20	29	1,149.22
25	MW-14	03/08/01	24.08	-	-	1,173.20	29	1,149.12
25	MW-14	04/12/01	23.47	-	-	1,173.20	29	1,149.73
25	MW-14	05/11/01	19.85	-	-	1,173.20	29	1,153.35
25	MW-14	06/22/01	19.16	-	-	1,173.20	29	1,154.04
25	MW-14	07/30/01	20.06	-	-	1,173.20	29	1,153.14
25	MW-14	08/13/01	20.74	-	-	1,173.20	29	1,152.46
25	MW-14	09/11/01	20.90	-	-	1,173.20	29	1,152.30
25	MW-14	10/09/01	21.32	-	-	1,173.20	29	1,151.88
25	MW-14	11/19/01	21.82	-	-	1,173.20	29	1,151.38

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
25	MW-14	12/03/01	21.66	-	-	1,173.20	29	1,151.54
25	MW-14	01/29/02	22.53	-	-	1,173.20	29	1,150.67
25	MW-14	02/08/02	22.67	-	-	1,173.20	29	1,150.53
25	MW-14	03/19/02	23.15	-	-	1,173.20	29	1,150.05
25	MW-14	04/16/02	22.19	-	-	1,173.20	29	1,151.01
25	MW-14	05/23/02	21.11	-	-	1,173.20	29	1,152.09
25	MW-14	06/07/02	21.08	-	-	1,173.20	29	1,152.12
25	MW-14	08/19/02	18.90	-	-	1,173.20	29	1,154.30
25	MW-14	11/05/02	18.63	-	-	1,173.20	29	1,154.57
25	MW-14	01/16/03	19.27	-	-	1,173.20	29	1,153.93
25	MW-14	04/03/03	20.51	-	-	1,173.20	29	1,152.69
25	MW-14	07/24/03	18.88	-	-	1,173.20	29	1,154.32
25	MW-14	10/24/03	20.57	-	-	1,173.20	29	1,152.63
25	MW-14	02/04/04	21.88	-	-	1,173.20	29	1,151.32
25	MW-14	04/07/04	21.81	-	-	1,173.20	29	1,151.39
25	MW-14	08/24/04	20.43	-	-	1,173.20	29	1,152.77
25	MW-14	02/16/05	21.27	-	-	1,173.20	29	1,151.93
25	MW-14	11/02/05	17.50	-	-	1,173.20	29	1,155.70
25	MW-14	05/04/06	17.54	-	-	1,173.20	29	1,155.66
25	MW-14	11/29/06	20.79	-	-	1,173.20	29	1,152.41
25	MW-14	03/20/07	21.45	-	-	1,173.20	29	1,151.75
25	MW-14	09/24/07	20.86	-	-	1,173.20	29	1,152.34
25	MW-14	02/12/08	20.34	-	-	1,173.20	29	1,152.86
25	MW-14	11/10/08	19.91	-	-	1,173.20	29	1,153.29
25	MW-14	02/11/09	20.85	-	-	1,173.20	29	1,152.35
25	MW-14	08/11/09	19.31	-	-	1,173.20	29	1,153.89
25	MW-14	02/03/10	18.46	-	-	1,173.20	29	1,154.74
26	MW-15	04/22/98	17.67	-	-	1,175.09	25	1,157.42
26	MW-15	05/21/98	17.76	-	-	1,175.09	25	1,157.33
26	MW-15	06/13/98	18.01	-	-	1,175.09	25	1,157.08
26	MW-15	08/20/98	18.60	-	-	1,175.09	25	1,156.49
26	MW-15	11/29/98	20.50	-	-	1,175.09	25	1,154.59
26	MW-15	03/20/07	21.55	-	-	1,175.09	25	1,153.54
26	MW-15	09/24/07	20.97	-	-	1,175.09	25	1,154.12
26	MW-15	02/12/08	20.91	-	-	1,175.09	25	1,154.18
26	MW-15	11/10/08	20.37	-	-	1,175.09	25	1,154.72
26	MW-15	02/11/09	21.11	-	-	1,175.09	25	1,153.98
26	MW-15	08/11/09	19.51	-	-	1,175.09	25	1,155.58
26	MW-15	02/03/10	18.74	-	-	1,175.09	25	1,156.35
27	MW-16	04/28/93	21.20	-	-	1,171.10	26	1,149.90
27	MW-16	09/21/93	15.44	-	-	1,171.10	26	1,155.66
27	MW-16	12/23/93	17.03	-	-	1,171.10	26	1,154.07
27	MW-16	06/27/94	15.33	-	-	1,171.10	26	1,155.77
27	MW-16	12/01/94	16.27	-	-	1,171.10	26	1,154.83
27	MW-16	03/09/95	17.99	-	-	1,171.10	26	1,153.11
27	MW-16	07/02/96	15.93	-	-	1,171.10	26	1,155.17
27	MW-16	04/10/97	15.29	-	-	1,171.10	26	1,155.81
27	MW-16	06/13/97	16.54	-	-	1,171.10	26	1,154.56
27	MW-16	09/09/97	15.10	-	-	1,171.10	26	1,156.00
27	MW-16	01/29/98	17.24	-	-	1,171.10	26	1,153.86
27	MW-16	04/22/98	15.67	-	-	1,171.10	26	1,155.43
27	MW-16	05/20/98	15.85	-	-	1,171.10	26	1,155.25
27	MW-16	05/21/98	16.18	-	-	1,171.10	26	1,154.92
27	MW-16	06/13/98	16.48	-	-	1,171.10	26	1,154.62
27	MW-16	08/20/98	17.35	-	-	1,171.10	26	1,153.75
27	MW-16*	12/23/98	18.86	-	-	1,171.10	26	1,152.24
27	MW-16	12/23/98	18.82	-	-	1,171.10	26	1,152.28
27	MW-16	12/30/98	18.91	-	-	1,171.10	26	1,152.19
27	MW-16	01/25/99	19.38	-	-	1,171.10	26	1,151.72
27	MW-16	02/18/99	19.74	-	-	1,171.10	26	1,151.36
27	MW-16	03/17/99	20.09	-	-	1,171.10	26	1,151.01
27	MW-16	03/18/99	20.11	-	-	1,171.10	26	1,150.99
27	MW-16	04/22/99	18.90	-	-	1,171.10	26	1,152.20
27	MW-16	04/28/99	18.75	-	-	1,171.10	26	1,152.35
27	MW-16	05/21/99	17.81	-	-	1,171.10	26	1,153.29
27	MW-16	06/24/99	17.09	-	-	1,171.10	26	1,154.01
27	MW-16	07/19/99	17.45	-	-	1,171.10	26	1,153.65
27	MW-16	08/23/99	18.27	-	-	1,171.10	26	1,152.83
27	MW-16	09/22/99	18.35	-	-	1,171.10	26	1,152.75

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
27	MW-16	10/25/99	18.89	-	-	1,171.10	26	1,152.21
27	MW-16	11/24/99	19.46	-	-	1,171.10	26	1,151.64
27	MW-16	12/09/99	19.55	-	-	1,171.10	26	1,151.55
27	MW-16	01/13/00	19.96	-	-	1,171.10	26	1,151.14
27	MW-16	02/17/00	22.20	-	-	1,171.10	26	1,148.90
27	MW-16	04/20/00	20.56	-	-	1,171.10	26	1,150.54
27	MW-16	05/23/00	20.68	-	-	1,171.10	26	1,150.42
27	MW-16	06/17/00	21.73	-	-	1,171.10	26	1,149.37
27	MW-16	07/27/00	20.29	-	-	1,171.10	26	1,150.81
27	MW-16	08/16/00	20.60	-	-	1,171.10	26	1,150.50
27	MW-16	09/12/00	23.25	-	-	1,171.10	26	1,147.85
27	MW-16	10/20/00	21.12	-	-	1,171.10	26	1,149.98
27	MW-16	12/13/00	21.07	-	-	1,171.10	26	1,150.03
27	MW-16	01/16/01	21.33	-	-	1,171.10	26	1,149.77
27	MW-16	02/15/01	21.62	-	-	1,171.10	26	1,149.48
27	MW-16	03/08/01	21.79	-	-	1,171.10	26	1,149.31
27	MW-16	04/12/01	21.26	-	-	1,171.10	26	1,149.84
27	MW-16	05/11/01	17.70	-	-	1,171.10	26	1,153.40
27	MW-16	06/22/01	16.83	-	-	1,171.10	26	1,154.27
27	MW-16	07/30/01	17.67	-	-	1,171.10	26	1,153.43
27	MW-16	08/13/01	18.32	-	-	1,171.10	26	1,152.78
27	MW-16	09/11/01	18.51	-	-	1,171.10	26	1,152.59
27	MW-16	10/09/01	18.96	-	-	1,171.10	26	1,152.14
27	MW-16	11/19/01	19.45	-	-	1,171.10	26	1,151.65
27	MW-16	12/03/01	19.31	-	-	1,171.10	26	1,151.79
27	MW-16	01/29/02	20.19	-	-	1,171.10	26	1,150.91
27	MW-16	02/08/02	20.34	-	-	1,171.10	26	1,150.76
27	MW-16	03/19/02	20.86	-	-	1,171.10	26	1,150.24
27	MW-16	04/16/02	20.02	-	-	1,171.10	26	1,151.08
27	MW-16	05/23/02	18.90	-	-	1,171.10	26	1,152.20
27	MW-16	06/07/02	18.81	-	-	1,171.10	26	1,152.29
27	MW-16	08/19/02	16.69	-	-	1,171.10	26	1,154.41
27	MW-16	11/05/02	18.52	-	-	1,171.10	26	1,152.58
27	MW-16	01/16/03	16.99	-	-	1,171.10	26	1,154.11
27	MW-16	04/03/03	18.20	-	-	1,171.10	26	1,152.90
27	MW-16	07/24/03	16.58	-	-	1,171.10	26	1,154.52
27	MW-16	10/24/03	18.29	-	-	1,171.10	26	1,152.81
27	MW-16	02/04/04	19.60	-	-	1,171.10	26	1,151.50
27	MW-16	04/07/04	19.58	-	-	1,171.10	26	1,151.52
27	MW-16	08/24/04	18.15	-	-	1,171.10	26	1,152.95
27	MW-16	02/16/05	19.02	-	-	1,171.10	26	1,152.08
27	MW-16	11/02/05	15.27	-	-	1,171.10	26	1,155.83
27	MW-16	05/04/06	15.30	-	-	1,171.10	26	1,155.80
27	MW-16	11/29/06	18.48	-	-	1,171.10	26	1,152.62
27	MW-16	03/20/07	19.23	-	-	1,171.10	26	1,151.87
27	MW-16	09/24/07	18.61	-	-	1,171.10	26	1,152.49
27	MW-16	02/12/08	18.07	-	-	1,171.10	26	1,153.03
27	MW-16	11/10/08	17.65	-	-	1,171.10	26	1,153.45
27	MW-16	02/11/09	18.57	-	-	1,171.10	26	1,152.53
27	MW-16	08/11/09	17.02	-	-	1,171.10	26	1,154.08
27	MW-16	02/03/10	16.17	-	-	1,171.10	26	1,154.93
28	MW-17	04/28/93	20.50	-	-	1,171.53	62	1,151.03
28	MW-17	09/21/93	19.72	-	-	1,171.53	62	1,151.81
28	MW-17	12/23/93	20.12	-	-	1,171.53	62	1,151.41
28	MW-17	06/27/94	18.31	-	-	1,171.53	62	1,153.22
28	MW-17	12/01/94	19.11	-	-	1,171.53	62	1,152.42
28	MW-17	03/09/95	21.04	-	-	1,171.53	62	1,150.49
28	MW-17	07/02/96	19.23	-	-	1,171.53	62	1,152.30
28	MW-17	04/10/97	17.66	-	-	1,171.53	62	1,153.87
28	MW-17	06/13/97	22.79	-	-	1,171.53	62	1,148.74
28	MW-17	09/09/97	19.35	-	-	1,171.53	62	1,152.18
28	MW-17	01/29/98	20.47	-	-	1,171.53	62	1,151.06
28	MW-17	04/22/98	18.10	-	-	1,171.53	62	1,153.43
28	MW-17	05/20/98	19.03	-	-	1,171.53	62	1,152.50
28	MW-17	05/21/98	20.66	-	-	1,171.53	62	1,150.87
28	MW-17	06/13/98	19.98	-	-	1,171.53	62	1,151.55
28	MW-17	08/20/98	21.02	-	-	1,171.53	62	1,150.51
28	MW-17	09/08/98	22.28	-	-	1,171.53	62	1,149.25
28	MW-17*	12/23/98	22.11	-	-	1,171.53	62	1,149.42
28	MW-17	12/23/98	22.17	-	-	1,171.53	62	1,149.36

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
28	MW-17	12/30/98	22.50	-	-	1,171.53	62	1,149.03
28	MW-17	01/25/99	22.80	-	-	1,171.53	62	1,148.73
28	MW-17	02/18/99	23.28	-	-	1,171.53	62	1,148.25
28	MW-17	03/17/99	22.92	-	-	1,171.53	62	1,148.61
28	MW-17	03/18/99	22.87	-	-	1,171.53	62	1,148.66
28	MW-17	04/22/99	20.40	-	-	1,171.53	62	1,151.13
28	MW-17	04/28/99	21.43	-	-	1,171.53	62	1,150.10
28	MW-17	05/21/99	20.34	-	-	1,171.53	62	1,151.19
28	MW-17	06/24/99	20.30	-	-	1,171.53	62	1,151.23
28	MW-17	07/19/99	21.08	-	-	1,171.53	62	1,150.45
28	MW-17	08/23/99	21.71	-	-	1,171.53	62	1,149.82
28	MW-17	09/22/99	18.17	-	-	1,171.53	62	1,153.36
28	MW-17	10/25/99	22.13	-	-	1,171.53	62	1,149.40
28	MW-17	11/24/99	22.52	-	-	1,171.53	62	1,149.01
28	MW-17	12/09/99	22.22	-	-	1,171.53	62	1,149.31
28	MW-17	01/13/00	22.68	-	-	1,171.53	62	1,148.85
28	MW-17	02/17/00	22.83	-	-	1,171.53	62	1,148.70
28	MW-17	04/20/00	23.44	-	-	1,171.53	62	1,148.09
28	MW-17	05/23/00	23.16	-	-	1,171.53	62	1,148.37
28	MW-17	06/17/00	23.40	-	-	1,171.53	62	1,148.13
28	MW-17	07/27/00	22.82	-	-	1,171.53	62	1,148.71
28	MW-17	08/16/00	23.89	-	-	1,171.53	62	1,147.64
28	MW-17	09/12/00	20.84	-	-	1,171.53	62	1,150.69
28	MW-17	10/20/00	23.75	-	-	1,171.53	62	1,147.78
28	MW-17	12/13/00	24.11	-	-	1,171.53	62	1,147.42
28	MW-17	01/16/01	23.27	-	-	1,171.53	62	1,148.26
28	MW-17	02/15/01	24.80	-	-	1,171.53	62	1,146.73
28	MW-17	04/12/01	21.94	-	-	1,171.53	62	1,149.59
28	MW-17	05/11/01	19.86	-	-	1,171.53	62	1,151.67
28	MW-17	06/22/01	20.95	-	-	1,171.53	62	1,150.58
28	MW-17	07/30/01	20.46	-	-	1,171.53	62	1,151.07
28	MW-17	08/13/01	21.63	-	-	1,171.53	62	1,149.90
28	MW-17	09/11/01	20.91	-	-	1,171.53	62	1,150.62
28	MW-17	10/09/01	20.81	-	-	1,171.53	62	1,150.72
28	MW-17	11/19/01	22.46	-	-	1,171.53	62	1,149.07
28	MW-17	12/03/01	21.98	-	-	1,171.53	62	1,149.55
28	MW-17	01/29/02	23.15	-	-	1,171.53	62	1,148.38
28	MW-17	02/08/02	23.51	-	-	1,171.53	62	1,148.02
28	MW-17	03/19/02	24.21	-	-	1,171.53	62	1,147.32
28	MW-17	04/16/02	21.86	-	-	1,171.53	62	1,149.67
28	MW-17	05/23/02	21.53	-	-	1,171.53	62	1,150.00
28	MW-17	06/07/02	21.87	-	-	1,171.53	62	1,149.66
28	MW-17	08/19/02	19.10	-	-	1,171.53	62	1,152.43
28	MW-17	11/05/02	15.34	-	-	1,171.53	62	1,156.19
28	MW-17	01/16/03	19.75	-	-	1,171.53	62	1,151.78
28	MW-17	04/03/03	20.70	-	-	1,171.53	62	1,150.83
28	MW-17	07/24/03	19.63	-	-	1,171.53	62	1,151.90
28	MW-17	10/24/03	20.83	-	-	1,171.53	62	1,150.70
28	MW-17	02/04/04	21.83	-	-	1,171.53	62	1,149.70
28	MW-17	04/07/04	21.76	-	-	1,171.53	62	1,149.77
28	MW-17	08/24/04	20.85	-	-	1,171.53	62	1,150.68
28	MW-17	02/16/05	21.36	-	-	1,171.53	62	1,150.17
28	MW-17	11/02/05	18.21	-	-	1,171.53	62	1,153.32
28	MW-17	05/04/06	16.89	-	-	1,171.53	62	1,154.64
28	MW-17	11/29/06	20.71	-	-	1,171.53	62	1,150.82
28	MW-17	03/20/07	20.92	-	-	1,171.53	62	1,150.61
28	MW-17	09/24/07	20.87	-	-	1,171.53	62	1,150.66
28	MW-17	02/12/08	19.40	-	-	1,171.53	62	1,152.13
28	MW-17	11/10/08	19.65	-	-	1,171.53	62	1,151.88
28	MW-17	02/11/09	20.50	-	-	1,171.53	62	1,151.03
28	MW-17	08/11/09	19.71	-	-	1,171.53	62	1,151.82
28	MW-17	02/03/10	18.03	-	-	1,171.53	62	1,153.50
29	MW-18	11/10/08	20.68	17.97	2.71	1,172.21	30	1,153.59
29	MW-18	08/11/09	20.44	17.11	3.33	1,172.21	30	1,154.30
29	MW-18	02/03/10	20.70	17.35	3.35	1,172.21	30	1,154.06
30	MW-19	11/29/06	19.79	19.79	0.00	1,172.27	30	1,152.48
30	MW-19	03/20/07	19.01	19.01	0.00	1,172.27	30	1,153.26
30	MW-19	09/24/07	18.40	18.40	0.00	1,172.27	30	1,153.87
30	MW-19	02/12/08	18.50	18.50	0.00	1,172.27	30	1,153.77

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
30	MW-19	11/10/08	17.02	-	-	1,172.27	30	1,155.25
30	MW-19	02/11/09	18.75	-	-	1,172.27	30	1,153.52
30	MW-19	08/11/09	17.06	-	-	1,172.27	30	1,155.21
30	MW-19	02/03/10	16.10	-	-	1,172.27	30	1,156.17
31	MW-20	11/29/06	19.35	19.34	0.01	1,173.51	25	1,154.17
31	MW-20	03/20/07	21.46	19.95	1.51	1,173.51	25	1,153.20
31	MW-20	09/24/07	19.25	-	-	1,173.51	25	1,154.26
31	MW-20	02/12/08	21.20	19.14	2.06	1,173.51	25	1,153.88
31	MW-20	11/10/08	19.29	18.40	0.89	1,173.51	25	1,154.90
31	MW-20	02/11/09	21.67	19.26	2.41	1,173.51	25	1,153.67
31	MW-20	08/11/09	21.02	17.53	3.49	1,173.51	25	1,155.14
31	MW-20	02/03/10	20.69	16.55	4.14	1,173.51	25	1,155.97
32	RW-1	11/29/06	18.12	-	-	1,172.48	39	1,154.36
32	RW-1	03/20/07	19.22	-	-	1,172.48	39	1,153.26
32	RW-1	09/24/07	18.54	-	-	1,172.48	39	1,153.94
32	RW-1	02/12/08	18.45	-	-	1,172.48	39	1,154.03
32	RW-1	11/10/08	17.21	-	-	1,172.48	39	1,155.27
32	RW-1	02/11/09	18.71	-	-	1,172.48	39	1,153.77
32	RW-1	08/11/09	16.91	-	-	1,172.48	39	1,155.57
32	RW-1	02/03/10	16.45	-	-	1,172.48	39	1,156.03
33	MW-1	04/22/98	13.66	-	-	1,169.35	-	1,155.69
33	MW-1	05/20/98	13.30	-	-	1,169.35	-	1,156.05
33	MW-1	05/21/98	13.44	-	-	1,169.35	-	1,155.91
33	MW-1	08/20/98	14.43	-	-	1,169.35	-	1,154.92
33	MW-1	Abandoned						
34	MW-2	04/22/98	14.02	-	-	1,169.75	-	1,155.73
34	MW-2	05/20/98	13.83	-	-	1,169.75	-	1,155.92
34	MW-2	05/21/98	13.94	-	-	1,169.75	-	1,155.81
34	MW-2	Abandoned		-	-			
35	MW-3	04/22/98	13.74	-	-	1,169.60	-	1,155.86
35	MW-3	05/20/98	13.61	-	-	1,169.60	-	1,155.99
35	MW-3	05/21/98	13.76	-	-	1,169.60	-	1,155.84
35	MW-3	Abandoned						
40	MW-5	05/20/98	19.10	-	-	1,173.40		1,154.30
40	MW-5	05/21/98	18.76	-	-	1,173.40		1,154.64
40	MW-5	08/20/98	20.43	-	-	1,173.40		1,152.97
41	MW-6	05/21/98	9.97	-	-	1,170.81		1,160.84
42	CMW-42	04/22/98	29.54	-	-	1,168.67	95	1,139.13
42	CMW-42	05/21/98	30.62	-	-	1,168.67	95	1,138.05
42	CMW-42	08/20/98	21.82	-	-	1,168.67	95	1,146.85
42	CMW-42	03/17/99	32.12	-	-	1,168.67	95	1,136.55
42	CMW-42	04/22/99	23.18	-	-	1,168.67	95	1,145.49
42	CMW-42	04/28/99	23.90	-	-	1,168.67	95	1,144.77
42	CMW-42	05/21/99	30.99	-	-	1,168.67	95	1,137.68
42	CMW-42	07/19/99	31.93	-	-	1,168.67	95	1,136.74
42	CMW-42	08/23/99	27.82	-	-	1,168.67	95	1,140.85
42	CMW-42	09/22/99	26.28	-	-	1,168.67	95	1,142.39
42	CMW-42	10/25/99	24.51	-	-	1,168.67	95	1,144.16
42	CMW-42	11/24/99	32.02	-	-	1,168.67	95	1,136.65
42	CMW-42	12/09/99	25.80	-	-	1,168.67	95	1,142.87
42	CMW-42	01/13/00	24.30	-	-	1,168.67	95	1,144.37
42	CMW-42	02/17/00	32.05	-	-	1,168.67	95	1,136.62
42	CMW-42	04/20/00	29.02	-	-	1,168.67	95	1,139.65
42	CMW-42	05/23/00	30.87	-	-	1,168.67	95	1,137.80
42	CMW-42	06/17/00	33.00	-	-	1,168.67	95	1,135.67
42	CMW-42	07/27/00	29.05	-	-	1,168.67	95	1,139.62
42	CMW-42	08/16/00	35.70	-	-	1,168.67	95	1,132.97
42	CMW-42	09/12/00	34.65	-	-	1,168.67	95	1,134.02
42	CMW-42	10/20/00	34.38	-	-	1,168.67	95	1,134.29
42	CMW-42	12/13/00	35.10	-	-	1,168.67	95	1,133.57
42	CMW-42	01/16/01	25.08	-	-	1,168.67	95	1,143.59
42	CMW-42	02/15/01	34.79	-	-	1,168.67	95	1,133.88
42	CMW-42	03/08/01	31.92	-	-	1,168.67	95	1,136.75

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
42	CMW-42	04/12/01	31.27	-	-	1,168.67	95	1,137.40
42	CMW-42	05/11/01	28.01	-	-	1,168.67	95	1,140.66
42	CMW-42	06/22/01	27.41	-	-	1,168.67	95	1,141.26
42	CMW-42	07/30/01	24.58	-	-	1,168.67	95	1,144.09
42	CMW-42	08/13/01	25.37	-	-	1,168.67	95	1,143.30
42	CMW-42	09/11/01	31.65	-	-	1,168.67	95	1,137.02
42	CMW-42	10/09/01	23.42	-	-	1,168.67	95	1,145.25
42	CMW-42	11/19/01	25.91	-	-	1,168.67	95	1,142.76
42	CMW-42	01/29/02	23.98	-	-	1,168.67	95	1,144.69
42	CMW-42	02/08/02	25.76	-	-	1,168.67	95	1,142.91
42	CMW-42	04/16/02	23.85	-	-	1,168.67	95	1,144.82
42	CMW-42	05/23/02	24.66	-	-	1,168.67	95	1,144.01
42	CMW-42	06/07/02	23.19	-	-	1,168.67	95	1,145.48
42	CMW-42	08/19/02	21.79	-	-	1,168.67	95	1,146.88
42	CMW-42	11/05/02	19.70	-	-	1,168.67	95	1,148.97
42	CMW-42	01/16/03	23.45	-	-	1,168.67	95	1,145.22
42	CMW-42	04/03/03	22.30	-	-	1,168.67	95	1,146.37
42	CMW-42	07/24/03	20.22	-	-	1,168.67	95	1,148.45
42	CMW-42	10/24/03	21.11	-	-	1,168.67	95	1,147.56
42	CMW-42	02/04/04	23.63	-	-	1,168.67	95	1,145.04
42	CMW-42	04/07/04	24.42	-	-	1,168.67	95	1,144.25
42	CMW-42	08/24/04	24.16	-	-	1,168.67	95	1,144.51
42	CMW-42	02/16/05	22.47	-	-	1,168.67	95	1,146.20
42	CMW-42	11/02/05	19.34	-	-	1,168.67	95	1,149.33
42	CMW-42	05/04/06	19.80	-	-	1,168.67	95	1,148.87
42	CMW-42	11/29/06	23.85	-	-	1,168.67	95	1,144.82
42	CMW-42	03/20/07	21.54	-	-	1,168.67	95	1,147.13
42	CMW-42	09/24/07	23.54	-	-	1,168.67	95	1,145.13
42	CMW-42	02/12/08	21.38	-	-	1,168.67	95	1,147.29
42	CMW-42	11/10/08	20.68	-	-	1,168.67	95	1,147.99
42	CMW-42	02/11/09	24.66	-	-	1,168.67	95	1,144.01
42	CMW-42	08/11/09	20.53	-	-	1,168.67	95	1,148.14
42	CMW-42	02/03/10	19.11	-	-	1,168.67	95	1,149.56
43	CMW-43	04/22/98	27.37	-	-	1,167.91	95	1,140.54
43	CMW-43	05/21/98	28.55	-	-	1,167.91	95	1,139.36
43	CMW-43	08/20/98	20.82	-	-	1,167.91	95	1,147.09
43	CMW-43	03/17/99	30.14	-	-	1,167.91	95	1,137.77
43	CMW-43	04/22/99	22.35	-	-	1,167.91	95	1,145.56
43	CMW-43	04/28/99	23.06	-	-	1,167.91	95	1,144.85
43	CMW-43	05/21/99	28.99	-	-	1,167.91	95	1,138.92
43	CMW-43	07/19/99	29.94	-	-	1,167.91	95	1,137.97
43	CMW-43	08/23/99	25.41	-	-	1,167.91	95	1,142.50
43	CMW-43	09/22/99	23.87	-	-	1,167.91	95	1,144.04
43	CMW-43	10/25/99	23.75	-	-	1,167.91	95	1,144.16
43	CMW-43	11/24/99	29.37	-	-	1,167.91	95	1,138.54
43	CMW-43	12/09/99	24.88	-	-	1,167.91	95	1,143.03
43	CMW-43	01/13/00	23.51	-	-	1,167.91	95	1,144.40
43	CMW-43	02/17/00	29.82	-	-	1,167.91	95	1,138.09
43	CMW-43	04/20/00	27.73	-	-	1,167.91	95	1,140.18
43	CMW-43	05/23/00	29.07	-	-	1,167.91	95	1,138.84
43	CMW-43	06/17/00	31.60	-	-	1,167.91	95	1,136.31
43	CMW-43	07/27/00	31.40	-	-	1,167.91	95	1,136.51
43	CMW-43	08/16/00	34.64	-	-	1,167.91	95	1,133.27
43	CMW-43	09/12/00	32.55	-	-	1,167.91	95	1,135.36
43	CMW-43	10/20/00	32.22	-	-	1,167.91	95	1,135.69
43	CMW-43	12/13/00	33.11	-	-	1,167.91	95	1,134.80
43	CMW-43	01/16/01	26.58	-	-	1,167.91	95	1,141.33
43	CMW-43	02/15/01	32.97	-	-	1,167.91	95	1,134.94
43	CMW-43	03/08/01	30.95	-	-	1,167.91	95	1,136.96
43	CMW-43	04/12/01	29.68	-	-	1,167.91	95	1,138.23
43	CMW-43	05/11/01	26.54	-	-	1,167.91	95	1,141.37
43	CMW-43	06/22/01	26.66	-	-	1,167.91	95	1,141.25
43	CMW-43	07/30/01	23.70	-	-	1,167.91	95	1,144.21
43	CMW-43	08/13/01	24.46	-	-	1,167.91	95	1,143.45
43	CMW-43	09/11/01	29.91	-	-	1,167.91	95	1,138.00
43	CMW-43	10/09/01	22.59	-	-	1,167.91	95	1,145.32
43	CMW-43	11/19/01	25.03	-	-	1,167.91	95	1,142.88
43	CMW-43	01/29/02	23.15	-	-	1,167.91	95	1,144.76
43	CMW-43	02/08/02	24.43	-	-	1,167.91	95	1,143.48
43	CMW-43	03/19/02	-	-	-	1,167.91	95	-

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
43	CMW-43	04/16/02	22.90	-	-	1,167.91	95	1,145.01
43	CMW-43	05/23/02	26.35	-	-	1,167.91	95	1,141.56
43	CMW-43	06/07/02	22.50	-	-	1,167.91	95	1,145.41
43	CMW-43	08/19/02	20.89	-	-	1,167.91	95	1,147.02
43	CMW-43	11/05/02	18.89	-	-	1,167.91	95	1,149.02
43	CMW-43	01/16/03	22.55	-	-	1,167.91	95	1,145.36
43	CMW-43	04/03/03	23.04	-	-	1,167.91	95	1,144.87
43	CMW-43	07/24/03	19.40	-	-	1,167.91	95	1,148.51
43	CMW-43	10/24/03	20.34	-	-	1,167.91	95	1,147.57
43	CMW-43	02/04/04	23.02	-	-	1,167.91	95	1,144.89
43	CMW-43	04/07/04	23.63	-	-	1,167.91	95	1,144.28
43	CMW-43	08/24/04	23.29	-	-	1,167.91	95	1,144.62
43	CMW-43	02/16/05	21.66	-	-	1,167.91	95	1,146.25
43	CMW-43	11/02/05	18.54	-	-	1,167.91	95	1,149.37
43	CMW-43	05/04/06	18.95	-	-	1,167.91	95	1,148.96
43	CMW-43	11/29/06	23.00	-	-	1,167.91	95	1,144.91
43	CMW-43	03/20/07	20.74	-	-	1,167.91	95	1,147.17
43	CMW-43	09/24/07	22.02	-	-	1,167.91	95	1,145.89
43	CMW-43	02/12/08	20.57	-	-	1,167.91	95	1,147.34
43	CMW-43	11/10/08	19.89	-	-	1,167.91	95	1,148.02
43	CMW-43	02/11/09	22.02	-	-	1,167.91	95	1,145.89
43	CMW-43	08/11/09	19.78	-	-	1,167.91	95	1,148.13
43	CMW-43	02/03/10	18.32	-	-	1,167.91	95	1,149.59
44	MW-4	04/22/98	14.82	-	-	1,170.58	19	1,155.76
44	MW-4	05/20/98	14.72	-	-	1,170.58	19	1,155.86
44	MW-4	05/21/98	14.89	-	-	1,170.58	19	1,155.69
44	MW-4*	12/23/98	17.86	-	-	1,170.58	19	1,152.72
44	MW-4	12/23/98	17.67	-	-	1,170.58	19	1,152.91
44	MW-4	12/30/98	17.79	-	-	1,170.58	19	1,152.79
44	MW-4	01/25/99	18.28	-	-	1,170.58	19	1,152.30
44	MW-4	02/18/99	18.60	-	-	1,170.58	19	1,151.98
44	MW-4	03/17/99	DRY	-	-	1,170.58	19	-
44	MW-4	03/18/99	DRY	-	-	1,170.58	19	-
44	MW-4	04/22/99	18.13	-	-	1,170.58	19	1,152.45
44	MW-4	05/21/99	17.09	-	-	1,170.58	19	1,153.49
44	MW-4	07/19/99	16.24	-	-	1,170.58	19	1,154.34
44	MW-4	08/23/99	17.06	-	-	1,170.58	19	1,153.52
44	MW-4	10/25/99	17.63	-	-	1,170.58	19	1,152.95
44	MW-4	11/24/99	18.29	-	-	1,170.58	19	1,152.29
44	MW-4	12/09/99	18.52	-	-	1,170.58	19	1,152.06
44	MW-4	02/17/00	12.80	-	-	1,170.58	19	1,157.78
44	MW-4	12/13/00	19.22	-	-	1,170.58	19	1,151.36
44	MW-4	04/12/01	DRY	-	-	1,170.58	19	-
44	MW-4	07/30/01	16.60	-	-	1,170.58	19	1,153.98
44	MW-4	08/13/01	17.04	-	-	1,170.58	19	1,153.54
44	MW-4	09/11/01	17.42	-	-	1,170.58	19	1,153.16
44	MW-4	10/09/01	17.89	-	-	1,170.58	19	1,152.69
44	MW-4	01/29/02	DRY	-	-	1,170.58	19	-
44	MW-4	03/19/02	DRY	-	-	1,170.58	19	-
44	MW-4	04/16/02	DRY	-	-	1,170.58	19	-
44	MW-4	05/23/02	18.41	-	-	1,170.58	19	1,152.17
44	MW-4	06/07/02	18.18	-	-	1,170.58	19	1,152.40
44	MW-4	08/19/02	16.16	-	-	1,170.58	19	1,154.42
44	MW-4	11/05/02	14.61	-	-	1,170.58	19	1,155.97
44	MW-4	01/16/03	16.15	-	-	1,170.58	19	1,154.43
44	MW-4	04/03/03	17.45	-	-	1,170.58	19	1,153.13
44	MW-4	07/24/03	15.72	-	-	1,170.58	19	1,154.86
44	MW-4	10/24/03	17.37	-	-	1,170.58	19	1,153.21
44	MW-4	02/04/04	-	-	-	1,170.58	19	-
44	MW-4	04/07/04	20.85	-	-	1,170.58	19	1,149.73
44	MW-4	08/24/04	20.15	-	-	1,170.58	19	1,150.43
44	MW-4	02/16/05	18.18	-	-	1,170.58	19	1,152.40
44	MW-4	11/02/05	14.70	-	-	1,170.58	19	1,155.88
44	MW-4	05/04/06	14.58	-	-	1,170.58	19	1,156.00
44	MW-4	11/29/06	17.55	-	-	1,170.58	19	1,153.03
44	MW-4	03/20/07	18.72	-	-	1,170.58	19	1,151.86
44	MW-4	09/24/07	17.90	-	-	1,170.58	19	1,152.68
44	MW-4	02/12/08	17.39	-	-	1,170.58	19	1,153.19
44	MW-4	02/11/09	-	-	-	1,170.58	19	#VALUE!
44	MW-4	08/11/09	16.18	-	-	1,170.58	19	1,154.40

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
44	MW-4	02/03/10	inaccessable	-	-	1,170.58	19	#VALUE!
45	DW-5	08/20/98	22.27	-	-	1,172.76	67	1,150.49
45	DW-5*	12/23/98	23.43	-	-	1,172.76	67	1,149.33
45	DW-5	12/23/98	48.46	-	-	1,172.76	67	1,124.30
45	DW-5	12/30/98	50.75	-	-	1,172.76	67	1,122.01
45	DW-5	01/25/99	52.81	-	-	1,172.76	67	1,119.95
45	DW-5	02/18/99	54.60	-	-	1,172.76	67	1,118.16
45	DW-5	03/17/99	57.87	-	-	1,172.76	67	1,114.89
45	DW-5	03/18/99	54.81	-	-	1,172.76	67	1,117.95
45	DW-5	04/22/99	55.44	-	-	1,172.76	67	1,117.32
45	DW-5	05/21/99	53.80	-	-	1,172.76	67	1,118.96
45	DW-5	06/24/99	56.02	-	-	1,172.76	67	1,116.74
45	DW-5	07/19/99	55.91	-	-	1,172.76	67	1,116.85
45	DW-5	08/23/99	57.98	-	-	1,172.76	67	1,114.78
45	DW-5	09/22/99	51.20	-	-	1,172.76	67	1,121.56
45	DW-5	10/25/99	52.62	-	-	1,172.76	67	1,120.14
45	DW-5	11/24/99	54.42	-	-	1,172.76	67	1,118.34
45	DW-5	12/09/99	55.05	-	-	1,172.76	67	1,117.71
45	DW-5	04/20/00	55.45	-	-	1,172.76	67	1,117.31
45	DW-5	05/23/00	41.52	-	-	1,172.76	67	1,131.24
45	DW-5	06/17/00	41.10	-	-	1,172.76	67	1,131.66
45	DW-5	07/27/00	48.00	-	-	1,172.76	67	1,124.76
45	DW-5	08/16/00	58.49	-	-	1,172.76	67	1,114.27
45	DW-5	09/12/00	57.92	-	-	1,172.76	67	1,114.84
45	DW-5	10/20/00	56.00	-	-	1,172.76	67	1,116.76
45	DW-5	12/13/00	52.62	-	-	1,172.76	67	1,120.14
45	DW-5	01/16/01	54.70	-	-	1,172.76	67	1,118.06
45	DW-5	02/15/01	51.59	-	-	1,172.76	67	1,121.17
45	DW-5	03/08/01	47.82	-	-	1,172.76	67	1,124.94
45	DW-5	04/12/01	54.20	-	-	1,172.76	67	1,118.56
45	DW-5	05/11/01	58.00	-	-	1,172.76	67	1,114.76
45	DW-5	06/22/01	58.00	-	-	1,172.76	67	1,114.76
45	DW-5	07/30/01	57.50	-	-	1,172.76	67	1,115.26
45	DW-5	08/13/01	39.00	-	-	1,172.76	67	1,133.76
45	DW-5	12/03/01	43.00	-	-	1,172.76	67	1,129.76
45	DW-5	01/29/02	45.00	-	-	1,172.76	67	1,127.76
45	DW-5	02/08/02	51.00	-	-	1,172.76	67	1,121.76
45	DW-5	03/19/02	49.00	-	-	1,172.76	67	1,123.76
45	DW-5	04/16/02	23.00	-	-	1,172.76	67	1,149.76
45	DW-5	05/23/02	22.65	-	-	1,172.76	67	1,150.11
45	DW-5	06/07/02	23.04	-	-	1,172.76	67	1,149.72
45	DW-5	08/19/02	20.39	-	-	1,172.76	67	1,152.37
45	DW-5	11/05/02	19.75	-	-	1,172.76	67	1,153.01
45	DW-5	01/16/03	20.83	-	-	1,172.76	67	1,151.93
45	DW-5	07/24/03	20.82	-	-	1,172.76	67	1,151.94
45	DW-5	10/24/03	21.99	-	-	1,172.76	67	1,150.77
45	DW-5	02/04/04	22.69	-	-	1,172.76	67	1,150.07
45	DW-5	04/07/04	23.05	-	-	1,172.76	67	1,149.71
45	DW-5	08/24/04	21.93	-	-	1,172.76	67	1,150.83
45	DW-5	02/16/05	22.62	-	-	1,172.76	67	1,150.14
45	DW-5	11/02/05	19.46	-	-	1,172.76	67	1,153.30
45	DW-5	05/04/06	18.10	-	-	1,172.76	67	1,154.66
45	DW-5	11/29/06	21.90	-	-	1,172.76	67	1,150.86
45	DW-5	03/20/07	22.14	-	-	1,172.76	67	1,150.62
45	DW-5	09/24/07	22.10	-	-	1,172.76	67	1,150.66
45	DW-5	02/12/08	20.57	-	-	1,172.76	67	1,152.19
45	DW-5	11/10/08	20.92	-	-	1,172.76	67	1,151.84
45	DW-5	02/11/09	21.75	-	-	1,172.76	67	1,151.01
45	DW-5	08/11/09	20.96	-	-	1,172.76	67	1,151.80
45	DW-5	02/03/10	19.25	-	-	1,172.76	67	1,153.51
46	DW-6	08/20/98	21.28	-	-	1,172.32	45	1,151.04
46	DW-6*	12/23/98	22.34	-	-	1,172.32	45	1,149.98
46	DW-6	12/23/98	22.48	-	-	1,172.32	45	1,149.84
46	DW-6	12/30/98	22.58	-	-	1,172.32	45	1,149.74
46	DW-6	01/25/99	22.88	-	-	1,172.32	45	1,149.44
46	DW-6	02/18/99	23.15	-	-	1,172.32	45	1,149.17
46	DW-6	03/17/99	23.32	-	-	1,172.32	45	1,149.00
46	DW-6	03/18/99	23.20	-	-	1,172.32	45	1,149.12
46	DW-6	04/22/99	21.73	-	-	1,172.32	45	1,150.59

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
46	DW-6	04/28/99	21.85	-	-	1,172.32	45	1,150.47
46	DW-6	05/21/99	20.78	-	-	1,172.32	45	1,151.54
46	DW-6	06/24/99	20.57	-	-	1,172.32	45	1,151.75
46	DW-6	07/19/99	21.26	-	-	1,172.32	45	1,151.06
46	DW-6	08/23/99	23.41	-	-	1,172.32	45	1,148.91
46	DW-6	09/22/99	21.98	-	-	1,172.32	45	1,150.34
46	DW-6	10/25/99	22.86	-	-	1,172.32	45	1,149.46
46	DW-6	11/24/99	22.80	-	-	1,172.32	45	1,149.52
46	DW-6	12/09/99	22.68	-	-	1,172.32	45	1,149.64
46	DW-6	01/13/00	22.95	-	-	1,172.32	45	1,149.37
46	DW-6	02/17/00	23.32	-	-	1,172.32	45	1,149.00
46	DW-6	04/20/00	23.57	-	-	1,172.32	45	1,148.75
46	DW-6	05/23/00	23.32	-	-	1,172.32	45	1,149.00
46	DW-6	06/17/00	23.64	-	-	1,172.32	45	1,148.68
46	DW-6	07/27/00	23.09	-	-	1,172.32	45	1,149.23
46	DW-6	08/16/00	23.71	-	-	1,172.32	45	1,148.61
46	DW-6	09/12/00	23.51	-	-	1,172.32	45	1,148.81
46	DW-6	10/20/00	24.39	-	-	1,172.32	45	1,147.93
46	DW-6	12/13/00	23.31	-	-	1,172.32	45	1,149.01
46	DW-6	01/16/01	23.78	-	-	1,172.32	45	1,148.54
46	DW-6	02/15/01	25.39	-	-	1,172.32	45	1,146.93
46	DW-6	03/08/01	24.38	-	-	1,172.32	45	1,147.94
46	DW-6	04/12/01	22.38	-	-	1,172.32	45	1,149.94
46	DW-6	05/11/01	20.48	-	-	1,172.32	45	1,151.84
46	DW-6	06/22/01	20.83	-	-	1,172.32	45	1,151.49
46	DW-6	07/30/01	20.83	-	-	1,172.32	45	1,151.49
46	DW-6	08/13/01	21.96	-	-	1,172.32	45	1,150.36
46	DW-6	09/11/01	21.53	-	-	1,172.32	45	1,150.79
46	DW-6	10/09/01	21.51	-	-	1,172.32	45	1,150.81
46	DW-6	11/19/01	21.91	-	-	1,172.32	45	1,150.41
46	DW-6	12/03/01	22.43	-	-	1,172.32	45	1,149.89
46	DW-6	01/29/02	23.71	-	-	1,172.32	45	1,148.61
46	DW-6	02/08/02	24.01	-	-	1,172.32	45	1,148.31
46	DW-6	03/19/02	24.51	-	-	1,172.32	45	1,147.81
46	DW-6	04/16/02	22.55	-	-	1,172.32	45	1,149.77
46	DW-6	05/23/02	22.01	-	-	1,172.32	45	1,150.31
46	DW-6	06/07/02	22.17	-	-	1,172.32	45	1,150.15
46	DW-6	08/19/02	19.66	-	-	1,172.32	45	1,152.66
46	DW-6	11/05/02	19.00	-	-	1,172.32	45	1,153.32
46	DW-6	01/16/03	20.28	-	-	1,172.32	45	1,152.04
46	DW-6	04/03/03	21.30	-	-	1,172.32	45	1,151.02
46	DW-6	07/24/03	20.03	-	-	1,172.32	45	1,152.29
46	DW-6	10/24/03	21.37	-	-	1,172.32	45	1,150.95
46	DW-6	02/04/04	22.06	-	-	1,172.32	45	1,150.26
46	DW-6	04/07/04	22.34	-	-	1,172.32	45	1,149.98
46	DW-6	08/24/04	21.23	-	-	1,172.32	45	1,151.09
46	DW-6	02/16/05	21.92	-	-	1,172.32	45	1,150.40
46	DW-6	11/02/05	18.72	-	-	1,172.32	45	1,153.60
46	DW-6	05/04/06	17.61	-	-	1,172.32	45	1,154.71
46	DW-6	11/29/06	21.20	-	-	1,172.32	45	1,151.12
46	DW-6	03/20/07	21.42	-	-	1,172.32	45	1,150.90
46	DW-6	09/24/07	21.49	-	-	1,172.32	45	1,150.83
46	DW-6	02/12/08	20.15	-	-	1,172.32	45	1,152.17
46	DW-6	11/10/08	20.12	-	-	1,172.32	45	1,152.20
46	DW-6	02/11/09	21.18	-	-	1,172.32	45	1,151.14
46	DW-6	08/11/09	20.20	-	-	1,172.32	45	1,152.12
46	DW-6	02/03/10	18.68	-	-	1,172.32	45	1,153.64
47	TW-1	07/19/99	40.77	-	-	-	102	-
47	TW-1	08/23/99	38.02	-	-	-	102	-
47	TW-1	10/25/99	39.22	-	-	-	102	-
47	TW-1	11/24/99	39.56	-	-	-	102	-
47	TW-1	12/09/99	40.50	-	-	-	102	-
47	TW-1	04/20/00	38.36	-	-	-	102	-
47	TW-1	05/23/00	41.16	-	-	-	102	-
47	TW-1	06/17/00	41.70	-	-	-	102	-
47	TW-1	07/27/00	39.77	-	-	-	102	-
47	TW-1	08/16/00	46.70	-	-	-	102	-
47	TW-1	Abandoned						
48	DW-7S	05/10/01	18.87	-	-	1,171.78	35	1,152.91

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
48	DW-7S	07/30/01	18.43	-	-	1,171.78	35	1,153.35
48	DW-7S	08/13/01	18.92	-	-	1,171.78	35	1,152.86
48	DW-7S	09/11/01	19.02	-	-	1,171.78	35	1,152.76
48	DW-7S	10/09/01	19.30	-	-	1,171.78	35	1,152.48
48	DW-7S	11/19/01	19.68	-	-	1,171.78	35	1,152.10
48	DW-7S	12/03/01	19.60	-	-	1,171.78	35	1,152.18
48	DW-7S	01/29/02	20.16	-	-	1,171.78	35	1,151.62
48	DW-7S	02/08/02	20.31	-	-	1,171.78	35	1,151.47
48	DW-7S	03/19/01	20.69	-	-	1,171.78	35	1,151.09
48	DW-7S	04/16/02	19.36	-	-	1,171.78	35	1,152.42
48	DW-7S	05/23/02	18.83	-	-	1,171.78	35	1,152.95
48	DW-7S	06/07/02	18.83	-	-	1,171.78	35	1,152.95
48	DW-7S	08/19/02	17.01	-	-	1,171.78	35	1,154.77
48	DW-7S	11/05/02	15.67	-	-	1,171.78	35	1,156.11
48	DW-7S	01/16/03	16.85	-	-	1,171.78	35	1,154.93
48	DW-7S	04/03/03	17.85	-	-	1,171.78	35	1,153.93
48	DW-7S	07/24/03	16.69	-	-	1,171.78	35	1,155.09
48	DW-7S	10/24/03	18.23	-	-	1,171.78	35	1,153.55
48	DW-7S	02/04/04	19.45	-	-	1,171.78	35	1,152.33
48	DW-7S	04/07/04	19.52	-	-	1,171.78	35	1,152.26
48	DW-7S	08/24/04	18.52	-	-	1,171.78	35	1,153.26
48	DW-7S	02/16/05	18.98	-	-	1,171.78	35	1,152.80
48	DW-7S	11/02/05	16.50	-	-	1,171.78	35	1,155.28
48	DW-7S	05/04/06	15.78	-	-	1,171.78	35	1,156.00
48	DW-7S	11/29/06	18.38	-	-	1,171.78	35	1,153.40
48	DW-7S	03/20/07	18.32	-	-	1,171.78	35	1,153.46
48	DW-7S	09/24/07	18.82	-	-	1,171.78	35	1,152.96
48	DW-7S	02/12/08	18.70	-	-	1,171.78	35	1,153.08
48	DW-7S	11/10/08	18.01	-	-	1,171.78	35	1,153.77
48	DW-7S	02/11/09	18.69	-	-	1,171.78	35	1,153.09
48	DW-7S	08/11/09	17.33	-	-	1,171.78	35	1,154.45
48	DW-7S	02/03/10	16.51	-	-	1,171.78	35	1,155.27
49	DW-7D	05/10/01	20.20	-	-	1,171.75	95	1,151.55
49	DW-7D	07/30/01	21.70	-	-	1,171.75	95	1,150.05
49	DW-7D	08/13/01	22.07	-	-	1,171.75	95	1,149.68
49	DW-7D	09/11/01	22.42	-	-	1,171.75	95	1,149.33
49	DW-7D	10/09/01	21.51	-	-	1,171.75	95	1,150.24
49	DW-7D	11/19/01	21.51	-	-	1,171.75	95	1,150.24
49	DW-7D	12/03/01	22.05	-	-	1,171.75	95	1,149.70
49	DW-7D	01/29/02	23.27	-	-	1,171.75	95	1,148.48
49	DW-7D	02/08/02	23.77	-	-	1,171.75	95	1,147.98
49	DW-7D	03/19/02	23.96	-	-	1,171.75	95	1,147.79
49	DW-7D	04/16/02	22.30	-	-	1,171.75	95	1,149.45
49	DW-7D	05/23/02	21.92	-	-	1,171.75	95	1,149.83
49	DW-7D	06/07/02	21.61	-	-	1,171.75	95	1,150.14
49	DW-7D	08/19/02	19.61	-	-	1,171.75	95	1,152.14
49	DW-7D	11/05/02	19.02	-	-	1,171.75	95	1,152.73
49	DW-7D	01/16/03	19.72	-	-	1,171.75	95	1,152.03
49	DW-7D	04/03/03	20.94	-	-	1,171.75	95	1,150.81
49	DW-7D	07/24/03	19.79	-	-	1,171.75	95	1,151.96
49	DW-7D	10/24/03	22.03	-	-	1,171.75	95	1,149.72
49	DW-7D	02/04/04	21.57	-	-	1,171.75	95	1,150.18
49	DW-7D	04/07/04	22.03	-	-	1,171.75	95	1,149.72
49	DW-7D	08/24/04	20.89	-	-	1,171.75	95	1,150.86
49	DW-7D	02/16/05	21.58	-	-	1,171.75	95	1,150.17
49	DW-7D	11/02/05	15.69	-	-	1,171.75	95	1,156.06
49	DW-7D	05/04/06	17.80	-	-	1,171.75	95	1,153.95
49	DW-7D	11/29/06	21.12	-	-	1,171.75	95	1,150.63
49	DW-7D	03/20/07	20.91	-	-	1,171.75	95	1,150.84
49	DW-7D	09/24/07	21.11	-	-	1,171.75	95	1,150.64
49	DW-7D	02/12/08	20.38	-	-	1,171.75	95	1,151.37
49	DW-7D	11/10/08	19.94	-	-	1,171.75	95	1,151.81
49	DW-7D	02/11/09	21.05	-	-	1,171.75	95	1,150.70
49	DW-7D	08/11/09	19.86	-	-	1,171.75	95	1,151.89
49	DW-7D	02/03/10	18.79	-	-	1,171.75	95	1,152.96
50	MW-21	11/29/06	19.45	19.35	0.10	1,174.21	32	1,154.84
50	MW-21	03/20/07	19.85	19.71	0.14	1,174.21	32	1,154.47
50	MW-21	09/24/07	19.47	19.40	0.07	1,174.21	32	1,154.79
50	MW-21	02/12/08	19.36	19.28	0.08	1,174.21	32	1,154.91

TABLE 10 - GROUNDWATER ELEVATION DATA
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID #:	Well	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Reference Elevation (ftamsl)	Well Depth (fbtoc)	Water Table Elevation** (ftamsl)
50	MW-21	11/10/08	18.21	-	-	1,174.21	32	1,156.00
50	MW-21	02/11/09	19.19	-	-	1,174.21	32	1,155.02
50	MW-21	08/11/09	17.62	17.54	0.08	1,174.21	32	1,156.65
50	MW-21	02/03/10	17.52	17.29	0.23	1,174.21	32	1,156.86
51	MW-22	11/29/06	20.30	19.83	0.47	1,174.07	32	1,154.13
51	MW-22	03/20/07	21.30	20.85	0.45	1,174.07	32	1,153.11
51	MW-22	09/24/07	20.69	20.22	0.47	1,174.07	32	1,153.74
51	MW-22	02/12/08	20.62	20.15	0.47	1,174.07	32	1,153.81
51	MW-22	02/11/09	20.89	20.41	0.48	1,174.07	32	1,153.54
51	MW-22	08/11/09	19.05	18.66	0.39	1,174.07	32	1,155.32
51	MW-22	02/03/10	18.78	18.43	0.35	1,174.07	32	1,155.56
52	MW-23	11/29/06	19.70	-	-	1,173.79	32	1,154.09
52	MW-23	03/20/07	20.67	-	-	1,173.79	32	1,153.12
52	MW-23	09/24/07	20.12	-	-	1,173.79	32	1,153.67
52	MW-23	02/12/08	19.96	-	-	1,173.79	32	1,153.83
52	MW-23	11/10/08	19.40	-	-	1,173.79	32	1,154.39
52	MW-23	02/11/09	20.25	-	-	1,173.79	32	1,153.54
52	MW-23	08/11/09	18.71	18.70	0.01	1,173.79	32	1,155.09
52	MW-23	02/03/10	17.89	-	-	1,173.79	32	1,155.90
53	MW-24	11/29/06	21.75	19.44	2.31	1,174.17	32	1,154.18
53	MW-24	03/20/07	22.56	20.43	2.13	1,174.17	32	1,153.23
53	MW-24	09/24/07	22.55	19.71	2.84	1,174.17	32	1,153.78
53	MW-24	02/12/08	22.42	19.60	2.82	1,174.17	32	1,153.89
53	MW-24	11/10/08	22.35	18.86	3.49	1,174.17	32	1,154.47
53	MW-24	02/11/09	23.07	19.75	3.32	1,174.17	32	1,153.62
53	MW-24	08/11/09	21.74	18.15	3.59	1,174.17	32	1,155.16
53	MW-24	02/03/10	21.25	17.22	4.03	1,174.17	32	1,155.98
54	MW-25	11/29/06	20.85	19.00	1.85	1,173.58	32	1,154.14
54	MW-25	03/20/07	21.20	20.15	1.05	1,173.58	32	1,153.18
54	MW-25	09/24/07	21.08	19.50	1.58	1,173.58	32	1,153.70
54	MW-25	02/12/08	21.07	19.28	1.79	1,173.58	32	1,153.87
54	MW-25	11/10/08	20.95	18.56	2.39	1,173.58	32	1,154.45
54	MW-25	02/11/09	21.44	19.54	1.90	1,173.58	32	1,153.58
54	MW-25	08/11/09	21.18	17.82	3.36	1,173.58	32	1,154.95
54	MW-25	02/03/10	20.79	16.62	4.17	1,173.58	32	1,155.96
55	DW-8	05/03/07	21.71	-	-	1,174.35	92	1,152.64
55	DW-8	09/24/07	23.73	-	-	1,174.35	92	1,150.62
55	DW-8	02/12/08	22.54	-	-	1,174.35	92	1,151.81
55	DW-8	11/10/08	22.26	-	-	1,174.35	92	1,152.09
55	DW-8	02/11/09	23.32	-	-	1,174.35	92	1,151.03
55	DW-8	08/11/09	22.47	-	-	1,174.35	92	1,151.88
55	DW-8	02/03/10	20.94	-	-	1,174.35	92	1,153.41
57	DW-8S	02/11/09	22.72	-	-	1,174.71	35	1,151.99
57	DW-8S	08/11/09	21.12	-	-	1,174.71	35	1,153.59
57	DW-8S	02/03/10	20.29	-	-	1,174.71	35	1,154.42
56	DW-9	05/03/07	20.52	-	-	1,174.96	33.5	1,154.44
56	DW-9	09/24/07	22.20	-	-	1,174.96	33.5	1,152.76
56	DW-9	02/12/08	21.81	-	-	1,174.96	33.5	1,153.15
56	DW-9	11/10/08	21.30	-	-	1,174.96	33.5	1,153.66
56	DW-9	02/11/09	22.25	-	-	1,174.96	33.5	1,152.71
56	DW-9	08/11/09	20.68	-	-	1,174.96	33.5	1,154.28
56	DW-9	02/03/10	19.86	-	-	1,174.96	33.5	1,155.10
58	PZ-1	08/18/09	18.13	-	-	1,169.80	100.0	1,151.67
58	PZ-1	12/22/09	16.89	-	-	1,169.80	100.0	1,152.91
58	PZ-1	02/03/10	16.46	-	-	1,169.80	100.0	1,153.34

Notes: Elevations are measured in feet.
Well top of casing of casing (TOC) elevations are referenced to the top nut of the fire hydrant at the intersection of Hoffman and Augusta with an elevation of 1,173.14 feet above mean sea level (AMSL) per information provided by SEH.
fbtoc - Feet below top of casing
* - Static water level prior to pump-out start-up.
** - Elevations for wells containing LNAPL were corrected using a specific gravity of 0.76.
Groundwater not measured, or results not applicable, were represented with a hyphen (-).

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
MONITORING WELLS												
1	DW-1	G	03/05/98	<1	<1	<1	<3	<5	<5	<1	-	-
1	DW-1		03/25/98	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
1	DW-1	G	06/13/98	<1	<1	<1	<3	-	<5	<1	-	-
1	DW-1		06/13/98	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-
2	DW-2	G	03/06/98	<1	<1	<1	<3	<5	<5	**20**	-	-
2	DW-2		03/25/98	<0.30	<0.30	<0.50	<0.80	<1.0	<0.40	<0.50	-	-
2	DW-2	G	06/13/98	<1	<1	<1	<3	-	<5	<1	-	-
2	DW-2		06/13/98	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-
3	DW-3	G	03/16/98	<1	<1	<1	<3	<5	<5	<1	-	-
3	DW-3		03/25/98	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
3	DW-3	G	06/13/98	<1	<1	<1	<3	-	<5	<1	-	-
3	DW-3		06/13/98	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-
3	DW-3		09/22/99	<1.0	<1.0	<1.0	<1.0	<5.0	-	-	<100	-
3	DW-3		12/09/99	<1.0	<1.0	<1.0	<1.0	<5.0	-	-	<100	-
3	DW-3		04/20/00	<1.0	**2.2**	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		07/27/00	<1.0	<1.0	<1.0	<1.0	<5.0	-	-	<100	-
3	DW-3		10/20/00	**4.9**	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		01/16/01	<1.0	**4.4**	<1.0	**3.0**	<5.0	-	-	<100	-
3	DW-3	2	04/12/01	<1.0	**6.1**	<1.0	<3.0	<5.0	-	-	**400**	-
3	DW-3		08/13/01	**17**	<1.0	<1.0	<3.0	<5.0	<5.0	<5.0	<100	-
3	DW-3		10/09/01	**25**	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		11/19/01	**24**	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		01/29/02	**8.8**	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		04/16/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		08/19/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		11/05/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		01/17/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		04/04/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		07/24/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		10/28/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		02/04/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		04/07/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		08/24/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		02/16/05	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		11/02/05	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
3	DW-3		05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
3	DW-3		05/05/06	Abandoned								
3	DW-3R		05/03/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-
3	DW-3R		09/25/07	<1.0	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<50	-
3	DW-3R		02/13/08	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50	-
4	DW-3R		11/12/08	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
4	DW-3R		02/12/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
4	DW-3R		08/11/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
4	DW-3R		02/03/10	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
4	DW-4	G	03/16/98	<1	<1	<1	<3	<5	<5	<1	-	-
4	DW-4		03/25/98	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
4	DW-4	G	06/13/98	<1	<1	<1	<3	-	<5	<1	-	-
4	DW-4		06/13/98	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
45	DW-5		12/24/98	1,600	81	64	41	<5.0	-	-	2,800	-
45	DW-5		12/30/98	1,300	47	51	41	44	-	-	1,700	-
45	DW-5		01/25/99	600	28	41	41	5.4	-	-	1,100	-
45	DW-5		02/18/99	400	13	25	<5.0	<25	-	-	550	-
45	DW-5		03/17/99	380	13	22	17	<5.0	-	-	610	-
45	DW-5		04/22/99	240	<1.0	13	18	<5.0	-	-	590	-
45	DW-5		05/21/99	160	8.7	14	13	<1.0	-	5.8	-	-
45	DW-5		06/24/99	170	6.2	9.9	8.9	<5.0	-	-	280	-
45	DW-5		07/19/99	170	5.7	11	11	<5.0	-	-	300	-
45	DW-5		08/23/99	160	6.2	12	8.9	5.3	-	-	280	-
45	DW-5		09/22/99	170	5.7	11	8.6	<5.0	-	-	280	-
45	DW-5		10/25/99	160	5.6	12	10	<5.0	-	-	260	-
45	DW-5		11/24/99	150	5.8	11	10	5.2	-	-	250	-
45	DW-5		12/09/99	140	5.7	12	9.7	<5.0	-	-	230	-
45	DW-5		01/13/00	140	10	12	15	<130	-	-	290	-
45	DW-5		02/17/00	150	5.5	12	11	<5.0	-	-	270	-
45	DW-5		03/13/00	140	4.3	11	9	<5.0	-	-	220	-
45	DW-5		04/20/00	-	8	11	13	6.7	-	-	320	-
45	DW-5		05/23/00	140	3.6	8.2	7.8	<5.0	-	-	180	-
45	DW-5		06/17/00	96	4.9	11	10	<5.0	-	-	270	-
45	DW-5		07/27/00	150	4	9.2	9.8	<5.0	-	-	210	-
45	DW-5		10/20/00	130	2.1	5.5	6	<5.0	-	-	120	-
45	DW-5		01/16/01	57	3.3	7.7	9.9	<5.0	-	-	170	-
45	DW-5		04/12/01	79	<1.0	6	9.2	<5.0	-	-	130	-
45	DW-5		08/13/01	44	1.3	8	9	<5.0	-	-	190	-
45	DW-5		10/09/01	68	1.9	9.7	7.9	<5.0	-	-	180	-
45	DW-5		01/29/02	81	<1.0	1.3	<3.0	<5.0	-	-	<100	-
45	DW-5		04/16/02	7	1.6	16	12	<5.0	-	-	260	-
45	DW-5		11/05/02	98	<1.0	5.3	7.1	<5.0	-	-	170	-
45	DW-5		01/16/03	110	<1.0	9	10	<5.0	-	-	310	-
45	DW-5		04/04/03	230	1.2	20	20	<5.0	-	-	530	-
45	DW-5		07/24/03	350	1.1	29	16	6.0	-	-	670	-
45	DW-5		10/28/03	280	1.3	20	11	<5.0	-	-	610	-
45	DW-5		02/04/04	470	<1.0	25	18	<5.0	-	-	650	-
45	DW-5		04/07/04	470	1.3	30	25	<5.0	-	-	630	-
45	DW-5		08/24/04	400	<1.0	10	18	<5.0	-	-	510	-
45	DW-5		02/16/05	230	2.1	31	39	<5.0	-	-	400	-
45	DW-5		11/03/05	180	2.3	30	25	<1.0	-	-	350	-
45	DW-5		05/04/06	180	1.5	32	32	1.3	-	-	440	-
45	DW-5	5	12/14/06	74	<1.0	42	19	1.6	-	-	260	-
45	DW-5	5	03/20/07	64	<1.0	55	19	1.8	-	-	280	-
45	DW-5	6	09/25/07	100	2.3	43	29	<1.0	-	-	410	-
45	DW-5	6	02/12/08	79	<1.0	32	28	<1.0	-	-	270	-
45	DW-5		11/10/08	12.3	<1.0	12.5	7.5	<5.0	-	-	<100	-
45	DW-5		02/11/09	58.8	<1.0	11.5	16.8	<5.0	-	-	186	-
45	DW-5		08/11/09	18.4	<1.0	15.3	14.9	<5.0	-	-	<100	-
45	DW-5		02/04/10	36.1	<1.0	24.4	6.9	<5.0	-	-	<100	-
46	DW-6	G	08/20/98	330	<100	<100	<300	-	<500	<100	-	-
46	DW-6		04/05/99	140	3.9	29	17.4	-	-	-	720	150
46	DW-6		06/21/99	120	2.1	25	14	-	-	-	660	100
46	DW-6		09/22/99	99	1.4	16	9.3	10	-	-	400	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
46	DW-6		12/09/99	64	5.3	20	29	20	-	-	570	-
46	DW-6		04/20/00	170	1.6	9.8	24	13	-	-	760	-
46	DW-6		07/27/00	51	1.6	9.8	13	<5.0	-	-	260	-
46	DW-6		10/20/00	40	<1.0	10	7.3	6.2	-	-	370	-
46	DW-6		01/16/01	93	1.5	5.0	17	5.1	-	-	420	-
46	DW-6		04/12/01	86	<1.0	2.8	15	7.7	-	-	290	-
46	DW-6		08/13/01	110	<1.0	3.2	16	6.6	-	-	300	-
46	DW-6		10/09/01	50	<1.0	3.5	4.2	<5.0	-	-	180	-
46	DW-6		01/29/02	120	1.1	7.0	21	5.6	-	-	340	-
46	DW-6		04/16/02	93	<1.0	4.7	19	5.8	-	-	290	-
46	DW-6		08/19/02	160	1.1	2.7	16	5.1	-	-	360	-
46	DW-6		11/05/02	130	<1.0	2.1	17	<5.0	-	-	290	-
46	DW-6		01/17/03	76	<1.0	2.4	7.8	<5.0	-	-	180	-
46	DW-6		04/04/03	23	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
46	DW-6		07/24/03	17	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
46	DW-6		10/28/03	48	<1.0	1.7	5.3	<5.0	-	-	150	-
46	DW-6		02/04/04	45	<1.0	1.8	<3.0	<5.0	-	-	120	-
46	DW-6		04/07/04	32	<1.0	<1.0	<3.0	<5.0	-	-	130	-
46	DW-6		08/24/04	29	<1.0	1.6	<3.0	<5.0	-	-	140	-
46	DW-6		02/16/05	33	<1.0	2.4	<3.0	5.3	-	-	170	-
46	DW-6		11/03/05	26	<1.0	<1.0	<3.0	<1.0	-	-	63	-
46	DW-6		05/04/06	27	<1.0	1.7	<3.0	<1.0	-	-	71	-
46	DW-6		12/01/06	22	<0.36	2.5	2.7	1.2	-	-	80	-
46	DW-6	5	03/20/07	24	<1.0	2.8	2.4	1.1	-	-	100	-
46	DW-6		09/25/07	16	<1.0	1.5	<3.0	<1.0	-	-	<50	-
46	DW-6		02/13/08	11	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
46	DW-6		11/11/08	8.5	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
46	DW-6		02/11/09	10	<1.0	1.0	<3.0	<5.0	-	-	<100	-
46	DW-6		08/11/09	6.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
46	DW-6		02/04/10	6.6	<1.0	1.1	<3.0	<5.0	-	-	<100	-
48	DW-7S		05/11/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
48	DW-7S	3	08/13/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
48	DW-7S		10/09/01	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
48	DW-7S		01/29/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
48	DW-7S		04/16/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
48	DW-7S		11/05/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
48	DW-7S		04/03/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
48	DW-7S		10/28/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
48	DW-7S		04/07/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
48	DW-7S		02/16/05	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
48	DW-7S		11/02/05	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
48	DW-7S		05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
48	DW-7S		11/30/06	<0.14	<0.36	<0.40	<1.1	<0.36	-	-	<26	-
48	DW-7S		03/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
48	DW-7S		09/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
48	DW-7S		11/11/08	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
48	DW-7S		08/11/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
49	DW-7D		05/11/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
49	DW-7D	3	08/13/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
49	DW-7D		10/09/01	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
49	DW-7D		01/29/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
49	DW-7D		04/16/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
49	DW-7D		11/05/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
49	DW-7D		04/03/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
49	DW-7D		10/28/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
49	DW-7D		04/07/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
49	DW-7D		02/16/05	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
49	DW-7D		11/02/05	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
49	DW-7D		05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
49	DW-7D		11/30/06	<0.14	<0.36	<0.40	<1.1	<0.36	-	-	<26	-
49	DW-7D		03/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
49	DW-7D		09/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
49	DW-7D		11/11/08	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
49	DW-7D		08/11/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
55	DW-8		05/03/07	**7.6**	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
55	DW-8		09/25/07	**3.1**	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<50	-
55	DW-8		02/13/08	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
55	DW-8		11/11/08	**2.0**	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
55	DW-8		02/12/09	**1.2**	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
55	DW-8		08/11/09	**6.3**	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
55	DW-8		02/04/10	**9.4**	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
57	DW-8S		12/29/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	<100	-
57	DW-8S	3	02/12/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	<100	-
57	DW-8S		02/12/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
57	DW-8S		08/11/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
57	DW-8S		02/04/10	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
56	DW-9	4, 1	05/03/07	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
56	DW-9	1, 5	09/25/07	**1,000**	**93**	**150**	**61**	<25	<120	<25	**3,000**	-
56	DW-9	5	02/13/08	**1,200**	<10	**200**	<30	<10	-	-	**4,300**	-
56	DW-9		11/11/08	**797**	**21.6**	**335**	**5.4**	<5.0	-	-	**3,730**	-
56	DW-9		02/12/09	**1,330**	<5.0	**256**	<15.0	<25.0	-	-	**3,920**	-
56	DW-9		08/11/09	**5.2**	<1.0	**6.9**	<3.0	**16.4**	-	-	**1,430**	-
56	DW-9		02/04/10	**1,690**	<5.0	**144**	<15.0	<25.0	-	-	**3,980**	-
21	BEI-MW-2		03/25/98	<0.30	**0.61**	<0.50	<1.2	<1.0	<0.40	<0.50	-	**170**
23	MW-1		7/17/91	4,000	8,800	2,000	9,600	2,700	-	-	50,000	73,000
23	MW-1		8/13/91	3,800	8,700	2,200	8,900	11,000	-	-	87,000	-
23	MW-1		1/13/92	5,100	8,400	2,700	6,800	2,000	-	-	63,000	-
23	MW-1		3/30/93	560	1,800	400	3,000	ND	-	-	17,000	43,000
23	MW-1		6/1/93	1,000	3,000	750	3,480	ND	-	-	300	-
23	MW-1		9/21/93	360	1,900	ND	2,680	1,500	-	-	20,000	-
23	MW-1		12/23/93	ND	ND	ND	ND	ND	-	-	140	-
23	MW-1		6/27/94	-	-	-	-	-	-	-	-	-
23	MW-1		12/1/94	1,180	1,600	602	2,380	ND	-	-	13,400	-
24	MW-10		7/17/91	ND	ND	ND	ND	ND	-	-	7	ND
24	MW-10		8/13/91	ND	ND	ND	ND	ND	-	-	ND	-
24	MW-10		1/13/92	7	2	ND	ND	34	-	-	150	-
24	MW-10		3/30/93	ND	ND	ND	ND	ND	-	-	ND	ND
24	MW-10		6/1/93	ND	ND	ND	ND	ND	-	-	ND	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
24	MW-10		9/21/93	ND	ND	ND	ND	ND	-	-	ND	-
24	MW-10		12/23/93	ND	ND	ND	ND	ND	-	-	140	-
24	MW-10		6/27/94	11	ND	ND	13	ND	-	-	1890	-
24	MW-10		12/1/94	ND	ND	ND	ND	ND	-	-	ND	ND
24	MW-10		3/9/95	ND	ND	ND	ND	ND	-	-	ND	-
24	MW-10		7/2/96	ND	ND	ND	ND	ND	-	-	ND	100
24	MW-10		4/10/97	ND	ND	ND	ND	ND	-	-	ND	ND
24	MW-10		6/13/97	ND	ND	ND	ND	ND	-	-	ND	ND
24	MW-10		9/9/97	ND	ND	ND	ND	ND	-	-	ND	400
24	MW-10		1/29/98	ND	ND	ND	ND	ND	-	-	ND	ND
24	MW-10		4/30/98	ND	ND	ND	ND	ND	-	-	ND	ND
24	MW-10		8/3/98	ND	ND	ND	ND	ND	-	-	ND	ND
24	MW-10		12/3/98	ND	ND	ND	4.1	ND	-	-	ND	ND
24	MW-10		4/5/99	<1.0	<1.0	<1.0	<3.0	ND	-	-	ND	ND
24	MW-10		6/21/99	<1.0	<1.0	<1.0	<3.0	ND	-	-	ND	ND
24	MW-10		10/6/99	<1.0	<1.0	<1.0	<3.0	-	-	-	ND	ND
24	MW-10		12/28/00	<1.0	<1.0	<1.0	<3.0	ND	-	-	ND	ND
24	MW-10		3/22/01	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	110
24	MW-10		6/26/01	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	<100
24	MW-10		9/28/01	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	110
24	MW-10		3/12/02	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	<100
24	MW-10		10/11/02	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	160
24	MW-10		6/9/03	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	<100
24	MW-10		2/25/04	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	<94
5	MW-10D	3	11/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	<100	<100
5	MW-10D	3	2/12/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	<100	<110
25	MW-14		7/17/91	ND	ND	ND	ND	ND	-	-	ND	ND
25	MW-14		8/13/91	ND	ND	ND	ND	ND	-	-	ND	-
25	MW-14		1/13/92	ND	ND	ND	ND	ND	-	-	ND	-
25	MW-14		3/30/93	50	1.1	ND	ND	ND	-	-	130	ND
25	MW-14		6/1/93	ND	ND	ND	ND	ND	-	-	ND	-
25	MW-14		9/21/93	ND	ND	ND	ND	ND	-	-	ND	-
25	MW-14		12/23/93	ND	ND	ND	ND	ND	-	-	ND	-
25	MW-14		6/27/94	ND	ND	ND	ND	ND	-	-	ND	-
25	MW-14		12/1/94	ND	ND	ND	ND	ND	-	-	ND	-
25	MW-14		3/9/95	ND	ND	ND	ND	ND	-	-	ND	ND
25	MW-14		7/2/96	ND	ND	ND	ND	ND	-	-	ND	100
25	MW-14		4/10/97	ND	ND	ND	ND	ND	-	-	ND	ND
25	MW-14		6/13/97	ND	ND	ND	ND	ND	-	-	ND	ND
25	MW-14		9/9/97	ND	<1.0	<1.0	<1.0	<3.0	-	-	<10	300
25	MW-14		1/29/98	ND	ND	ND	ND	ND	-	-	ND	300
25	MW-14		4/30/98	ND	ND	ND	ND	ND	-	-	ND	100
25	MW-14		8/3/98	ND	ND	ND	ND	ND	-	-	ND	210
25	MW-14		12/3/98	ND	ND	1	5.1	ND	-	-	ND	ND
25	MW-14		4/5/99	<1.0	<1.0	<1.0	<3.0	ND	-	-	ND	ND
25	MW-14		6/21/99	<1.0	<1.0	<1.0	<3.0	ND	-	-	ND	190
25	MW-14		10/6/99	<1.0	<1.0	<1.0	<3.0	ND	-	-	ND	ND
25	MW-14		12/28/00	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	<100
25	MW-14		3/22/01	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	<100
25	MW-14		6/26/01	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	<100
25	MW-14		9/28/01	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	<100

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
25	MW-14	3/12/02	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	1700
25	MW-14	10/11/02	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	<100
25	MW-14	6/19/03	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	<100
25	MW-14	2/25/04	<1.0	<1.0	<1.0	<3.0	ND	-	-	<50	<120
6	MW-14D	11/30/06	<0.14	<0.36	<0.40	<1.1	**0.43 J**	-	-	<26	-
6	MW-14D	3/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
6	MW-14D	9/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
6	MW-14D	2/13/08	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
6	MW-14D	11/12/08	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
26	MW-15	7/17/91	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	8/13/91	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	1/13/92	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	3/30/93	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	6/1/93	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	9/21/93	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	12/23/93	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	6/27/94	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	12/1/94	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	3/9/95	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	7/2/96	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	4/10/97	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	6/13/97	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	9/9/97	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	1/29/98	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	4/30/98	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	8/3/98	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	12/3/98	ND	ND	ND	ND	ND	-	-	ND	ND
26	MW-15	4/5/99	<1.0	<1.0	<1.0	<3.0	-	-	-	ND	ND
26	MW-15	6/21/99	-	-	-	-	-	-	-	-	-
26	MW-15	10/6/99	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
26	MW-15	12/28/00	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
26	MW-15	3/22/01	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
26	MW-15	6/26/01	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
26	MW-15	9/28/01	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
26	MW-15	3/12/02	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	230
26	MW-15	10/11/02	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	170
26	MW-15	2/25/04	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<94
27	MW-16	5/7/93	**550**	**23**	**74**	ND	ND	-	-	2,600	400
27	MW-16	6/1/93	**1,300**	**190**	**110**	ND	ND	-	-	390	-
27	MW-16	9/21/93	**390**	**73**	**1**	**9.9**	**740**	-	-	4,100	-
27	MW-16	12/23/93	**1,200**	**6**	**41**	ND	**72**	-	-	1,800	-
27	MW-16	6/27/94	**2,520**	**16**	**134**	ND	**105**	-	-	6,530	-
27	MW-16	12/1/94	**34**	ND	ND	ND	ND	-	-	1,050	-
27	MW-16	3/9/95	**10**	ND	ND	ND	ND	-	-	1,100	-
27	MW-16	7/2/96	**1.3**	ND	ND	ND	ND	-	-	ND	100
27	MW-16	4/10/97	ND	ND	ND	ND	ND	-	-	ND	ND
27	MW-16	6/13/97	ND	ND	ND	ND	ND	-	-	ND	ND
27	MW-16	9/9/97	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	ND	100
27	MW-16	1/29/98	<1.0	<1.0	<1.0	<3.0	<10	-	-	ND	100
27	MW-16	4/30/98	ND	ND	ND	ND	ND	-	-	ND	200

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
27	MW-16		8/3/98	ND	ND	ND	ND	ND	-	-	ND	620
27	MW-16		12/3/98	ND	ND	ND	ND	ND	-	-	ND	ND
27	MW-16		4/5/99	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
27	MW-16		6/21/99	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
27	MW-16		10/6/99	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
27	MW-16		12/9/99	<1.0	<1.0	<1.0	<1.0	<5.0	-	-	<100	-
27	MW-16		4/20/00	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
27	MW-16		12/28/00	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
27	MW-16		3/22/01	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
27	MW-16		6/26/01	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
27	MW-16		9/28/01	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
27	MW-16		3/12/02	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
27	MW-16		10/11/02	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
27	MW-16		6/9/03	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
27	MW-16		2/25/04	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<94
27	MW-16		11/30/06	<0.14	<0.36	<0.40	<1.1	<0.36	-	-	<26	-
27	MW-16		3/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
27	MW-16		9/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
27	MW-16		2/13/08	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
27	MW-16		11/11/08	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
27	MW-16		2/12/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
27	MW-16		8/11/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
27	MW-16		2/4/10	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
28	MW-17		9/21/93	ND	ND	ND	ND	ND	-	-	ND	-
28	MW-17		12/23/93	ND	ND	ND	ND	ND	-	-	ND	-
28	MW-17		6/27/94	ND	ND	ND	ND	ND	-	-	ND	-
28	MW-17		12/1/94	ND	ND	ND	ND	ND	-	-	ND	ND
28	MW-17		3/9/95	ND	ND	ND	ND	ND	-	-	ND	-
28	MW-17		7/2/96	**3.7**	ND	ND	ND	ND	-	-	ND	-
28	MW-17		4/10/97	**2.6**	ND	ND	ND	ND	-	-	ND	ND
28	MW-17		6/13/97	ND	ND	ND	ND	ND	-	-	ND	ND
28	MW-17		9/9/97	<1.0	<1.0	<1.0	<3.0	<10	-	-	-	300
28	MW-17		1/29/98	ND	ND	ND	ND	ND	-	-	ND	ND
28	MW-17		4/30/98	**1,540**	<10	<10	<30	<10	-	-	**2,100**	**300**
28	MW-17	G	6/13/98	**2,100**	<100	<100	<300	-	<500	**140**	-	-
28	MW-17		8/3/98	**407**	1.1	ND	ND	ND	-	-	580	**120**
28	MW-17		12/3/98	**980**	ND	ND	ND	-	-	-	1,300	ND
28	MW-17		4/5/99	**360**	<2.0	<2.0	<6.0	-	-	-	**540**	<100
28	MW-17		6/21/99	**35**	<1.0	<1.0	<3.0	-	-	-	<50	<100
28	MW-17		10/6/99	**2.8**	<1.0	<1.0	<3.0	-	-	-	<50	<100
28	MW-17		12/9/99	**9.2**	**1.7**	**1.2**	**5.8**	<5.0	-	-	<100	-
28	MW-17		4/20/00	**2.9**	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
28	MW-17		12/28/00	**3.4**	<1.0	<1.0	<3.0	-	-	-	<50	130
28	MW-17		3/22/01	**2.1**	<1.0	<1.0	<3.0	-	-	-	<50	<100
28	MW-17		6/26/01	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
28	MW-17		9/28/01	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<100
28	MW-17		3/12/02	**2.5**	<1.0	<1.0	<3.0	-	-	-	<50	<100
28	MW-17		10/11/02	<1.0	<1.0	<1.0	<3.9	-	-	-	<50	<100
28	MW-17		6/9/03	<1.0	<1.0	<1.0	3.2	-	-	-	<50	<100
28	MW-17		7/24/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
28	MW-17		10/28/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
28	MW-17		2/25/04	<1.0	<1.0	<1.0	<3.0	-	-	-	<50	<94

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
28	MW-17		4/7/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
28	MW-17		8/24/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
28	MW-17		2/16/05	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
28	MW-17		11/2/05	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
28	MW-17		5/4/06	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
28	MW-17		12/1/06	<0.14	<0.36	<0.40	<1.1	<0.36	-	-	<26	-
28	MW-17		3/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
28	MW-17		9/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
28	MW-17		2/13/08	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
28	MW-17		11/11/08	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
28	MW-17		2/12/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
28	MW-17		8/11/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
28	MW-17		2/4/10	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
30	MW-19		6/12/03	62	73	8.6	118	<5.0	-	-	2,200	15,000
30	MW-19		2/26/04	900	3,000	690	3,040	-	-	-	13,000	1,700
31	MW-20		7/2/96	7,340	11,800	1,930	1,160	2,750	-	-	56,900	100
31	MW-20		4/10/97	4,500	12,500	1,640	13,100	<500	-	-	46,600	10,600
31	MW-20		6/13/97	8,370	9,810	1,900	11,400	361	-	-	52,300	11,200
31	MW-20		9/9/97	1,980	3,060	790	3,730	<2000	-	-	15,200	400
31	MW-20		1/29/98	16,700	3,370	4,330	24,100	<2000	-	-	137,000	822,000
32	MW-21		2/26/04	240	490	120	720	<2.5	-	-	5,600	3,800
[illegible]	MW-23		6/12/03	3,800	3,100	1,200	6,300	<25	-	-	24,000	4,300
[illegible]	MW-23		2/26/04	1,100	930	520	2,410	-	-	-	12,000	1,600
BLE WELLS												
	CW-3		03/25/98	18	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-3		05/20/98	11	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-3	G	06/10/98	9.3	<1	<1	<3	-	<5	<1	-	-
	CW-3		06/10/98	7.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-
	CW-3		08/20/98	6.2	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-3		09/09/98	5.2	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-3		10/05/98	4.8	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-3		11/18/98	3.4	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-3		12/15/98	2.9	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-3		01/25/99	1.6	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-3		02/18/99	1.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-3		03/17/99	0.86	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-3		04/22/99	0.63	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-3		05/21/99	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-3		06/24/99	0.37	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-3		07/19/99	0.48	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-3		08/23/99	1.4	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-3		09/22/99	1.1	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-3		10/25/99	0.59	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-3		11/24/99	0.35	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-3		12/09/99	0.36	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-3		01/13/00	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-
	CW-3		02/17/00	0.35	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-3		03/13/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
9	CW-3		04/20/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
9	CW-3		05/23/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
9	CW-3		06/17/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
9	CW-3		07/27/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
9	CW-3		08/16/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3		09/12/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3		10/20/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3		11/20/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3		01/16/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
9	CW-3		04/12/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3	3	08/13/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3		10/09/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3	3	01/29/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3		04/16/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3	3	08/19/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3	3	11/05/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3	3	01/16/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3		04/03/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3	3	07/24/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3	3	10/28/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3		09/25/07	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
9	CW-3		01/28/04	<0.50	<0.50	<0.50	<1.5	<5.0	<0.50	<0.50	-	-
9	CW-3		04/07/04	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
9	CW-3		08/25/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
9	CW-3		02/16/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
9	CW-3		11/02/05	<0.41	<1.0	<1.0	<3.0	<1.0	<1.0	<0.36	-	-
9	CW-3		05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
9	CW-3		11/30/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
9	CW-3		03/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
9	CW-3		09/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
9	CW-3	3	11/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
9	CW-3	3	08/10/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
10	CW-4		12/19/90	**2.2**	<0.2	<0.2	**0.4**	<0.2	<0.5	**0.3**	-	-
10	CW-4		10/23/97	**16**	<0.30	<0.50	<1.2	<1.0	<0.40	**1.5**	-	-
10	CW-4		03/25/98	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
10	CW-4	G	06/10/98	**3.0**	<1	<1	<3	-	<5	**2.2**	-	-
10	CW-4		06/10/98	**2.9**	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	-	-
10	CW-4	G	06/13/98	**3.5**	<1	<1	<3	-	<5	**2.7**	-	-
10	CW-4		08/20/98	**6.6**	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
10	CW-4		09/09/98	**8.8**	<0.3	<0.5	<1.2	<1.0	<0.4	**0.78**	-	-
10	CW-4		10/05/98	**12**	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
10	CW-4		11/18/98	**19**	<0.3	<0.5	<1.2	<1.0	<0.4	**0.6**	-	-
10	CW-4		12/15/98	**18**	**0.4**	<0.5	<1.2	<1.0	<0.4	**0.8**	-	-
10	CW-4		01/25/99	**20**	**0.38**	**0.51**	<1.2	<1.0	<0.4	**1.1**	-	-
10	CW-4		02/18/99	**19**	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
10	CW-4		03/17/99	**19**	<0.3	**0.55**	<1.2	<1.0	<0.4	**0.88**	-	-
10	CW-4		04/22/99	**12**	<0.3	<0.50	<1.2	<1.0	<0.4	**0.51**	-	-
10	CW-4		05/21/99	**8.8**	<0.3	<0.50	<1.2	<1.0	<0.4	**0.62**	-	-
10	CW-4		06/24/99	**11**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
10	CW-4		07/19/99	**7.7**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
10	CW-4		08/23/99	**7.3**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
10	CW-4		09/22/99	**6.7**	<0.30	<0.50	<1.2	<1.0	<0.40	**0.59**	-	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
10	CW-4		10/25/99	**6.6**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
10	CW-4		11/24/99	**5.7**	<0.30	<0.50	<1.2	<1.0	<0.40	**0.5**	-	-
10	CW-4		12/09/99	**4.9**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
10	CW-4		01/13/00	**3.5**	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-
10	CW-4		02/17/00	**3.0**	<0.30	<0.50	<1.2	<1.0	<0.40	**0.72**	-	-
10	CW-4		03/13/00	**2.4**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
10	CW-4		04/20/00	**1.7**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
10	CW-4		05/23/00	**0.49**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
10	CW-4		06/17/00	**1.0**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
10	CW-4		07/27/00	**0.66**	<0.30	<0.50	<1.2	<1.0	<0.40	**0.67**	-	-
10	CW-4		08/16/00	**0.56**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4		09/12/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4		10/20/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4		11/20/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4		12/13/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4		01/16/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
10	CW-4		02/15/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	**0.55**	-	-
10	CW-4		03/08/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4		04/12/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4		05/11/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4		06/22/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4	3	07/30/01	**0.38 J**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4	3	08/13/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4	3	09/11/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	**0.75**	-	-
10	CW-4		10/09/01	<0.50	<0.50	<0.50	<1.5	<1.0	**0.78**	**0.77**	-	-
10	CW-4	3	11/19/01	**0.17 J**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.37 J**	-	-
10	CW-4	3	12/03/01	**0.11 J**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.37 J**	-	-
10	CW-4	3	01/29/02	**1.3**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.31 J**	-	-
10	CW-4	3	02/08/02	**1.8**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.37 J**	-	-
10	CW-4	3	03/19/02	**2.8**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4		04/16/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4	3	05/23/02	**4.2**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.62**	-	-
10	CW-4	3	06/07/02	**4.9**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.66**	-	-
10	CW-4	3	07/30/02	**5.7**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4	3	08/19/02	**6.2**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4	3	09/09/02	**6.6**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4		10/11/02	**8.2**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4	3	11/05/02	**7.2**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.70**	-	-
10	CW-4	3	12/16/02	**7.7**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4	3	01/16/03	**10**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
10	CW-4	3	02/06/03	**11**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.86**	-	-
10	CW-4	3	03/06/03	**13**	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
10	CW-4	3	04/03/03	**11**	<1.0	<1.0	<3.0	<1.0	<5.0	**0.089 J**	-	-
10	CW-4	3	05/19/03	**9.7**	<1.0	<1.0	<3.0	<1.0	<5.0	**0.63**	-	-
10	CW-4	3, 4	06/19/03	**7.7**	<0.50	<0.50	<1.5	<1.0	<2.0	**0.63**	-	-
10	CW-4	1	07/24/03	**8.2**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.64**	-	-
10	CW-4	3	08/12/03	**7.0**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.67**	-	-
10	CW-4	1,3	09/09/03	**7.7**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.79**	-	-
10	CW-4	3	10/28/03	**6.4**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.60**	-	-
10	CW-4		11/25/03	**6.6**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.59**	-	-
10	CW-4	3	12/31/03	**5.3**	<0.50	<0.50	<1.5	<1.0	<0.50	**0.42 J**	-	-
10	CW-4	3	01/28/04	**3.9**	<0.50	<0.50	<1.5	<5.0	<0.50	**0.35 J**	-	-
10	CW-4	3	02/04/04	**2.8**	<0.50	<0.50	<1.5	<5.0	<0.50	**0.81**	-	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
10	CW-4	3	03/02/04	**3.6**	<0.50	<0.50	<1.5	<5.0	<0.50	**0.44 J**	-	-
10	CW-4	3	04/07/04	**2.8**	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
10	CW-4	3	05/25/04	**1.2**	<0.50	<0.50	<1.5	<0.50	<0.50	**0.38 J**	-	-
10	CW-4	3	06/17/04	**1.1**	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
10	CW-4	3	07/26/04	**0.79**	<0.50	<0.50	<1.5	<0.50	<0.50	**0.42 J**	-	-
10	CW-4	3	08/25/04	**0.92**	<0.50	<0.50	<1.50	<0.50	<0.50	**0.37 J**	-	-
10	CW-4	3	09/15/04	**0.84**	<0.50	<0.50	<1.5	<0.50	<0.50	**0.42 J**	-	-
10	CW-4	3	10/22/04	**0.48 J**	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
10	CW-4	3	11/10/04	**0.3 J**	<0.50	<0.50	<1.5	<0.50	<0.50	**0.29 J**	-	-
10	CW-4	3	12/02/04	**0.18 J**	<0.50	<0.50	<1.5	<0.50	<0.50	**0.85**	-	-
10	CW-4	3	01/18/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.05	**0.92**	-	-
10	CW-4	3	02/16/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	**0.46 J**	-	-
10	CW-4	3	03/14/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
10	CW-4	3	05/27/05	<0.50	<0.50	<0.50	<1.5	<2.0	<0.50	**0.31 J**	-	-
10	CW-4	3	09/19/05	<0.41	<1.0	<1.0	<3.0	<1.0	<1.0	<0.36	-	-
10	CW-4	3	11/02/05	<0.41	<1.0	<1.0	<3.0	<1.0	<1.0	**0.36 J**	-	-
10	CW-4	3	02/15/06	<0.41	<1.0	<1.0	<3.0	<1.0	<1.0	<0.36	-	-
10	CW-4	3	06/02/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
10	CW-4	3	08/21/06	**0.66 J**	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
10	CW-4	1, 3	11/30/06	**0.78 J**	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
10	CW-4		03/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
10	CW-4		04/25/07	<0.41	<1.0	<1.0	<3.0	<1.0	<5.0	<0.56	-	-
10	CW-4		09/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
10	CW-4		11/07/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
10	CW-4		02/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
10	CW-4	3	05/20/08	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<0.36	-	-
10	CW-4	3	08/13/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
10	CW-4	3	11/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
10	CW-4	3	02/11/09	**0.73 J**	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
10	CW-4		04/28/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
10	CW-4	3	08/10/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
10	CW-4	3	12/22/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
10	CW-4	3	02/03/10	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
11	CW-5		01/13/00	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-
11	CW-5	3	01/29/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
11	CW-5	3	01/16/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
11	CW-5	3	10/28/03	**0.091 J**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
11	CW-5		08/25/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
11	CW-5		05/27/05	<0.50	<0.50	<0.50	<1.5	<2.0	<0.50	<0.50	-	-
11	CW-5		11/02/05	<0.41	<1.0	<1.0	<3.0	<1.0	<1.0	<0.36	-	-
11	CW-5		05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
11	CW-5	1	11/30/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
11	CW-5		03/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
11	CW-5		09/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
11	CW-5	3	11/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
11	CW-5	3	08/10/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
12	CW-6		01/13/00	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-
12	CW-6	3	01/29/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
12	CW-6	3	01/16/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
12	CW-6	3	10/28/03	**0.081 J**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
12	CW-6		08/25/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
12	CW-6		05/27/05	<0.50	<0.50	<0.50	<1.5	<2.0	<0.50	<0.50	-	-
12	CW-6		11/02/05	<0.41	<1.0	<1.0	<3.0	<1.0	<1.0	<0.36	-	-
12	CW-6		05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
12	CW-6	1	11/30/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
12	CW-6		03/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
12	CW-6		09/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
12	CW-6	3	11/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
12	CW-6	3	08/10/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	CW-7	3	01/29/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-7	3	01/16/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-7	3	10/28/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-7		08/25/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	CW-7		02/16/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	CW-7		05/27/05	<0.50	<0.50	<0.50	<1.5	<2.0	<0.50	<0.50	-	-
	CW-7		05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	CW-7		03/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	CW-7		09/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	CW-7	3	11/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	CW-7	3	08/10/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	CW-8	3	01/29/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-8	3	01/16/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-8	3	10/28/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-8		08/25/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	CW-8		02/16/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	CW-8		05/27/05	<0.50	<0.50	<0.50	<1.5	<2.0	<0.50	<0.50	-	-
	CW-8		05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	CW-8		03/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	CW-8		09/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	CW-8	3	11/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	CW-8	3	08/10/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
PACKER TEST												
	CW-4 (70-80')	1	09/23/02	**5.3**	**6.6**	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	CW-4 (80-90')		09/23/02	**5.5**	**7.9**	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	CW-4 (90-100')		09/23/02	**6.4**	**8.9**	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	CW-4 (100-110')		09/23/02	**8.2**	**6.8**	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
GR TREATMENT PLANT												
	CW-Influent		03/25/98	**5.8**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent	G	04/23/98	**1.0**	<1	<1	<3	<5	<5	<1	-	-
	CW-Influent		06/10/98	**3.7**	**1.0**	**4.7**	**1.3**	<1.0	<1.0	<1.0	-	-
	CW-Influent		08/20/98	**0.5**	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Influent		10/05/98	**1.1**	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Influent		11/18/98	**0.34**	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Influent		12/15/98	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Influent		01/25/99	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Influent		02/18/99	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Influent		03/17/99	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Influent		04/22/99	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Influent		05/21/99	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Influent		06/24/99	<0.30	<0.30	<0.50	<1.2	<1.0	<0.4	<0.5	-	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
	CW-Influent		07/19/99	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent		08/23/99	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent		09/22/99	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent		10/25/99	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent		11/24/99	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent		12/09/99	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent		01/13/00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-
	CW-Influent		02/17/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent		03/13/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent		04/20/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent		05/23/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent		06/17/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent	1	07/27/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Influent		08/16/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent		09/12/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent		10/20/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent		11/20/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent		12/13/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent		01/16/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	CW-Influent	1	02/15/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent		03/08/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent		04/12/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent		05/11/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent		06/22/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent	3	07/30/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent	1, 3	08/13/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent	3	09/11/01	**0.31 J**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent		10/09/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent	3	11/19/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent	*, 3	12/03/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent	*, 3	01/29/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent	3	02/08/02	**0.6**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent	*, 3	03/08/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent		04/16/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent	3	05/23/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Influent	3	06/07/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	3	07/30/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	3	08/19/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	3	09/09/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	3	10/11/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	3	11/05/02	**0.33 J**	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	3	12/16/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	3	01/16/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	1, 3	02/06/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	1, 3	03/06/03	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	CW-Influent	3	04/03/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	3	05/19/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	3, 4	06/19/03	<0.50	<0.50	<0.50	<1.5	<1.0	<2.0	<0.5	-	-
	CW-Influent	3	07/24/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	3	10/28/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.5	-	-
	CW-Influent	3	01/28/04	<0.50	<0.50	<0.50	<1.5	<5.0	<0.50	<0.5	-	-
	CW-Influent	1, 3	04/07/04	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	CW-Influent		08/25/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
	CW-Influent		02/16/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	CW-Influent		11/02/05	<0.41	<1.0	<1.0	<3.0	<1.0	<1.0	<0.36	-	-
	CW-Influent		05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<0.36	-	-
	CW-Influent	1	11/30/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
	CW-Influent		03/20/07	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	-	-
	CW-Influent		09/25/07	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	-	-
	CW-Influent		02/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	CW-Influent	3	11/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	CW-Influent	3	02/11/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	CW-Influent	3	08/10/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	CW-Influent	3	02/03/10	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	CW-Filtered		03/25/98	**6.8**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Filtered	G	04/23/98	<1	<1	<1	<3	<5	<5	<1	-	-
	CW-Filtered		06/10/98	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Filtered		08/20/98	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Filtered		10/05/98	**0.73**	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Filtered		11/18/98	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Filtered		12/15/98	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Filtered		01/25/99	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Filtered		02/18/99	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Filtered		03/17/99	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Filtered		04/22/99	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Filtered		05/21/99	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Filtered		06/24/99	<0.3	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	CW-Filtered		07/19/99	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Filtered		08/23/99	**0.35**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Filtered		09/22/99	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Filtered		10/25/99	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Filtered		11/24/99	**5.80**	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Filtered		12/09/99	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Filtered		01/13/00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-
	CW-Filtered		02/17/00	<0.30	<0.30	<0.50	<1.2	<1.0	2.1**	<0.50	-	-
	CW-Filtered		03/13/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Filtered		04/20/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Filtered	1	05/23/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Filtered	1	06/17/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Filtered	1	07/27/00	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
	CW-Filtered		08/16/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered	1	09/12/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered	1	10/20/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered	1	11/20/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered		12/13/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered		01/16/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	CW-Filtered		02/15/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered		02/28/01	**0.2**	<0.2	<0.2	<0.4	<2.0	<0.5	<0.2	-	-
	CW-Filtered		03/08/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered		04/12/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered		05/11/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered		06/22/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered	3,	07/30/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered	1, 3,	08/13/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered	1, 3,	09/11/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
	CW-Filtered	1	10/09/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered	1, 3,	11/19/01	<0.50	<0.50	<0.50	<1.5	<1.0	**0.92**	<0.50	-	-
	CW-Filtered	3	12/03/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered	1, 3	01/29/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered	1, 3	02/08/02	**0.36 J**	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered	3	03/19/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered	3	04/16/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered	1,3	05/23/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	CW-Filtered		06/07/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	CW-Filtered	3	07/30/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	CW-Filtered	3	08/19/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	CW-Filtered	3	09/09/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	CW-Filtered	3	10/11/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	CW-Filtered	3	11/05/02	**0.24 J**	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	CW-Filtered	3	12/16/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	CW-Filtered	3	01/16/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	CW-Filtered	3	02/06/03	**0.43 J**	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	CW-Filtered	3	03/06/03	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	CW-Filtered	3	04/03/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	CW-Filtered	3	05/19/03	<0.50	<0.50	**0.55**	**3.9**	<1.0	<0.5	<0.50	-	-
	CW-Filtered	3, 4	06/19/03	<0.50	<0.50	<0.50	<1.5	<1.0	<2.0	<0.50	-	-
	CW-Filtered	1, 3	07/24/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	CW-Filtered	3	10/28/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	CW-Filtered		01/28/04	<0.50	<0.50	<0.50	<1.5	<5.0	<0.50	<0.50	-	-
	CW-Filtered		04/07/04	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	CW-Filtered		08/25/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	CW-Filtered		02/16/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	CW-Filtered		05/04/06	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	CW-Filtered	1	11/30/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
	CW-Filtered		03/20/07	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	-	-
	CW-Filtered		09/25/07	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	-	-
	CW-Filtered		02/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	CW-Filtered	3	11/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	CW-Filtered	3	02/11/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	CW-Filtered	3	08/10/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	CW-Filtered	3	02/03/10	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Storm Dis.		03/17/99	<0.3	**0.86**	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	Storm Dis.		04/22/99	**3.0**	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	<100	<100
	Storm Dis.		09/22/99	**1.8**	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	Storm Dis.		12/09/99	**1.1**	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
	Storm Dis.		03/13/00	**0.6**	<0.3	<0.5	<1.2	<1.0	<0.4	<0.5	-	-
13	Nursery Well	G	02/26/98	<1	<1	<1	<3	<5	<5	<1	-	-
13	Nursery Well		02/26/98	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
19	AMPI Well		03/25/98	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
17	Bus Gar. (south)		03/25/98	<0.30	**0.35**	<0.50	<1.2	<1.0	<0.40	<0.50	-	-
GW PUMPING TEST & EXTRACTION												
10	CW-4-1		05/20/98	<1.0	<1.0	<1.0	<1.0	<5.0	-	-	<100	-
10	CW-4-2		05/20/98	<1.0	<1.0	<1.0	<1.0	<5.0	-	-	<100	-
10	CW-4-3		05/20/98	<0.30	<0.30	<0.50	<1.2	<1.0	<0.40	<0.50	-	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
10	CW-4-4		05/20/98	<1.0	<1.0	<1.0	<1.0	49	-	-	<100	-
10	CW-4-5		05/21/98	<1.0	<1.0	<1.0	<1.0	<5.0	-	-	<100	-
10	CW-4-6		05/21/98	0.41	<0.30	<0.50	<1.2	<1.0	<0.40	0.46	-	-
45	DW-5	G	08/20/98	2,200	140	<100	<300	-	<500	100	-	-
45	DW-5 - 2 hrs	G	08/20/98	2,300	120	<100	<300	-	<500	110	-	-
45	DW-5 - 2 hrs	G'	08/20/98	760	120	73	65	1.7	<0.40	41	2700	-
QA/QC DUPLICATES & BLANKS												
46	DW-6		10/20/00	43	<1.0	9.7	7.3	<5.0	-	-	340	-
46	DW-6		08/13/01	110	<1.0	2.8	15	5.5	-	-	310	-
3	DW-3		01/16/01	<1.0	3.4	1.1	3.6	<5.0	-	-	<100	-
3	DW-3		04/12/01	<1.0	4.7	<1.0	<3.0	<5.0	-	-	490	-
3	DW-3		10/09/01	26	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		01/29/02	6.6	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		04/16/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		08/19/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		11/05/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		01/17/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		04/04/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		07/24/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
46	DW-6		10/28/03	48	<1.0	1.4	4.4	<5.0	-	-	150	-
3	DW-3		02/04/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		04/07/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
3	DW-3		08/24/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
28	MW-17		02/16/05	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
45	DW-5		11/02/05	160	2.3	29	26	<1.0	-	-	340	-
45	DW-5		05/04/06	180	1.5	32	33	1.3	-	-	440	-
28	MW-17		12/01/06	<0.14	<0.36	<0.40	<1.1	<0.36	-	-	<26	-
45	DW-5	5	03/20/07	64	<1.0	55	19	1.8	-	-	270	-
45	DW-5	6	09/25/07	110	2.3	45	30	<1.0	-	-	370	-
45	DW-5	6	02/12/08	80	<1.0	32	28	<1.0	-	-	290	-
45	DW-5		11/10/09	12.0	<1.0	12.3	7.1	<5.0	-	-	<100	-
45	DW-5		02/11/09	58.7	<1.0	11.4	16.3	<5.0	-	-	169	-
45	DW-5		08/11/09	17.4	<1.0	14.8	14.3	<5.0	-	-	<100	-
45	DW-5		02/04/10	38.3	<1.0	25.8	7.5	<5.0	-	-	<100	-
	Trip Blank	1	10/20/00	<0.50	0.58	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		11/20/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		12/13/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank	1	01/16/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		02/15/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		03/08/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		04/12/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Trip Blank		05/11/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		06/22/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		07/30/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		08/13/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		09/11/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		10/09/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		11/19/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		01/29/02	<0.50	<0.50	<0.50	<1.5	<1.0	1.9	<0.50	<100	-
	Trip Blank		02/08/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
	Method Blank	02/04/04	<0.50	<0.50	<0.50	<1.5	<5.0	<0.5	<0.50	<100	-
	Method Blank	03/02/04	<0.50	<0.50	<0.50	<1.5	<5.0	<0.5	<0.50	-	-
	Method Blank	04/07/04	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	Method Blank	06/17/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	07/26/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	08/24/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	<100	-
	Method Blank	09/21/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	10/26/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	11/10/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	12/02/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	01/19/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	02/19/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	03/22/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	06/02/05	<0.50	<0.50	<0.50	<1.5	<2.0	<0.50	<0.50	-	-
	Method Blank	09/19/05	<0.41	<1.0	<1.0	<3.0	<1.0	<5.0	<0.36	-	-
	Method Blank	11/02/05	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<50	-
	Method Blank	02/15/06	<0.41	<1.0	<1.0	<3.0	<1.0	<5.0	<0.36	-	-
	Method Blank	05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<50	-
	Method Blank	06/02/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
	Method Blank	08/21/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
	Method Blank	11/30/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
	Method Blank	12/01/06	<0.41	<0.36	<0.4	<1.1	<0.36	<0.74	<0.36	<26	-
	Method Blank	12/01/06	<0.41	<0.36	<0.4	<1.1	<0.36	-	-	<26	-
	Method Blank	12/14/06	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
	Method Blank	03/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	Method Blank	04/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Method Blank	05/03/07	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Method Blank	09/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Method Blank	11/07/07	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Method Blank	02/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Method Blank	05/20/08	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Method Blank	08/13/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	11/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	11/14/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	<100	<100
	Method Blank	12/29/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	02/11/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	04/28/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	02/12/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	<100	<100
	Method Blank	08/10/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	08/11/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Method Blank	12/22/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	02/03/10	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	02/04/10	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	11/19/01	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	11/05/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	01/17/03	<1.0	**1.2**	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	07/24/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	10/28/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	04/07/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	08/24/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	02/16/05	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	11/02/05	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
	Pump Blank	05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
	Trip Blank		03/19/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Trip Blank		04/16/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Trip Blank		06/07/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	Trip Blank		07/30/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	Trip Blank		08/19/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	Trip Blank		09/09/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		09/23/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		10/17/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		11/05/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		12/16/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank		01/17/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Trip Blank		02/06/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Trip Blank		04/03/03	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<100	-
	Trip Blank		05/19/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Trip Blank	3, 4	06/19/03	<0.50	<0.50	**0.57**	**2.0**	<1.0	<2.0	<0.50	-	-
	Trip Blank	3	07/24/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	<100	-
	Trip Blank		08/12/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	Trip Blank	1	09/09/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	Trip Blank		10/28/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	<100	-
	Trip Blank	1	11/25/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	Trip Blank		12/31/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	Trip Blank		01/28/04	<0.50	<0.50	<0.50	<1.5	<5.0	<0.5	<0.50	-	-
	Trip Blank		02/04/04	<0.50	<0.50	<0.50	<1.5	<5.0	<0.5	<0.50	<100	-
	Trip Blank		03/02/04	<0.50	<0.50	<0.50	<1.5	<5.0	<0.5	<0.50	-	-
	Trip Blank		04/07/04	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	Trip Blank		04/30/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Trip Blank		05/03/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Trip Blank		06/17/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Trip Blank	1	07/26/04	<0.50	**0.22 J**	0.16 J	0.62 J	<0.50	<0.50	<0.50	-	-
	Trip Blank		08/24/04	<1.0	<1.0	<1.0	<3.0	<5.0	<0.50	<0.50	-	-
	Trip Blank		09/16/04	<1.0	**0.2 J**	<1.0	<3.0	<5.0	<0.50	<0.50	-	-
	Trip Blank		11/22/04	<1.0	<1.0	<1.0	<3.0	<5.0	<0.50	<0.50	-	-
	Trip Blank		11/10/04	<1.0	<1.0	<1.0	<3.0	<5.0	<0.50	<0.50	-	-
	Trip Blank		12/02/04	<1.0	**0.21**	<1.0	<3.0	<5.0	<0.50	<0.50	-	-
	Trip Blank		01/19/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Trip Blank		02/16/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Trip Blank	3	03/14/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Trip Blank		05/27/05	<0.50	<0.50	<0.50	<1.5	<2.0	<0.50	<0.50	-	-
	Trip Blank		09/19/05	<0.41	<1.0	<1.0	<3.0	<1.0	<1.0	<0.36	-	-
	Trip Blank		11/02/05	<0.41	<1.0	<1.0	<3.0	<1.0	<1.0	<0.36	<50	-
	Trip Blank		02/15/06	<0.41	<1.0	<1.0	<3.0	<1.0	<1.0	<0.36	-	-
	Trip Blank		05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<50	-
	Trip Blank	1	06/02/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Trip Blank		08/21/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
	Trip Blank		12/01/06	<0.14	<0.36	<0.40	<1.1	<0.36	<0.74	<0.36	<26	-
	Trip Blank		12/01/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36		
	Trip Blank		12/14/06	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
	Trip Blank		03/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50	-
	Trip Blank	1	04/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50	-
	Trip Blank		05/03/07	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<50	-
	Trip Blank		09/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<50	-
	Trip Blank		11/07/07	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	-	-
	Trip Blank		02/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
	Trip Blank	3	05/20/08	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<0.36	-	-
	Trip Blank	3	08/13/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Trip Blank	3	11/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Trip Blank	3	11/14/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	<100	-
	Trip Blank		12/29/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	<100	-
	Trip Blank	3	02/11/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Trip Blank		02/12/09	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<100	-
	Trip Blank		04/28/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Trip Blank	3	08/10/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Trip Blank		08/11/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Trip Blank		12/22/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Trip Blank	3	02/03/10	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Trip Blank		02/04/10	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Method Blank		10/20/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		11/20/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		12/13/00	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		01/16/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		02/15/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		03/08/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		04/12/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		05/11/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		06/22/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		07/30/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		08/13/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		09/11/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		10/09/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		11/19/01	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		01/29/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		02/08/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		03/19/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		04/16/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		05/23/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		06/07/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		07/30/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		08/19/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		09/09/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		09/23/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		10/17/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		11/05/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		12/16/02	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		01/17/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		02/06/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank		03/06/03	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	Method Blank		04/03/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	<100	-
	Method Blank		05/19/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.50	<0.50	-	-
	Method Blank	3, 4	06/19/03	<0.50	<0.50	<0.50	<1.5	<1.0	<2.0	<0.50	-	-
	Method Blank		07/24/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	<100	-
	Method Blank		08/12/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	Method Blank		09/09/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	Method Blank		10/28/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	<100	-
	Method Blank		11/25/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	Method Blank		12/31/03	<0.50	<0.50	<0.50	<1.5	<1.0	<0.5	<0.50	-	-
	Method Blank		01/28/04	<0.50	<0.50	<0.50	<1.5	<5.0	<0.5	<0.50	-	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
	Method Blank	02/04/04	<0.50	<0.50	<0.50	<1.5	<5.0	<0.5	<0.50	<100	-
	Method Blank	03/02/04	<0.50	<0.50	<0.50	<1.5	<5.0	<0.5	<0.50	-	-
	Method Blank	04/07/04	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	Method Blank	06/17/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	07/26/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	08/24/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	<100	-
	Method Blank	09/21/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	10/26/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	11/10/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	12/02/04	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	01/19/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	02/19/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	03/22/05	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	-	-
	Method Blank	06/02/05	<0.50	<0.50	<0.50	<1.5	<2.0	<0.50	<0.50	-	-
	Method Blank	09/19/05	<0.41	<1.0	<1.0	<3.0	<1.0	<5.0	<0.36	-	-
	Method Blank	11/02/05	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<50	-
	Method Blank	02/15/06	<0.41	<1.0	<1.0	<3.0	<1.0	<5.0	<0.36	-	-
	Method Blank	05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<50	-
	Method Blank	06/02/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
	Method Blank	08/21/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
	Method Blank	11/30/06	<0.41	<0.67	<0.54	<2.6	<0.61	<0.74	<0.36	-	-
	Method Blank	12/01/06	<0.41	<0.36	<0.4	<1.1	<0.36	<0.74	<0.36	<26	-
	Method Blank	12/01/06	<0.41	<0.36	<0.4	<1.1	<0.36	-	-	<26	-
	Method Blank	12/14/06	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
	Method Blank	03/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	-	-
	Method Blank	04/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Method Blank	05/03/07	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Method Blank	09/25/07	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Method Blank	11/07/07	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Method Blank	02/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Method Blank	05/20/08	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	-	-
	Method Blank	08/13/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	11/12/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	11/14/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	<100	<100
	Method Blank	12/29/08	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	02/11/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	04/28/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	02/12/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	<100	<100
	Method Blank	08/10/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	08/11/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Method Blank	12/22/09	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	02/03/10	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	<1.0	-	-
	Method Blank	02/04/10	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	11/19/01	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	11/05/02	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	01/17/03	<1.0	**1.2**	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	07/24/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	10/28/03	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	04/07/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	08/24/04	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	02/16/05	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank	11/02/05	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
	Pump Blank	05/04/06	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-

TABLE 11 - GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Map ID#	Sample ID		Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	Methyl Tert-Butyl Ether (µg/L)	Naphthalene (µg/L)	1,2-Dichloro-ethane (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)
	Pump Blank		03/20/07	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
	Pump Blank		02/13/08	<1.0	<1.0	<1.0	<3.0	<1.0	-	-	<50	-
	Pump Blank		11/12/08	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank		12/29/08	<1.0	<1.0	<1.0	<3.0	**9.2**	<4.0	<1.0	<100	-
	Pump Blank		02/12/09	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	Pump Blank		02/04/10	<1.0	<1.0	<1.0	<3.0	<5.0	-	-	<100	-
	HRL / *HBV*	-	-	2	10,000	700	10,000	70	300	4	*200*	*200*
	MCL	-	-	5	1,000	700	10,000	NE	NE	5	NE	NE
	NPDES	-	-	5	253	5	5	NE	NE	5	NE	NE

Note: Concentrations in micrograms per liter (µg/L), equivalent to parts per billion. 4/28/2010

Results at or below the laboratory reporting limits (RLs) were preceded by the less than symbol (<).

Analytes not sampled, or results not applicable, were represented with a hyphen (-).

Bolded values exceeded the reporting limits for the selected analytes.

G - Samples analyzed using GC in Geoprobe Sampling Vehicle.

HRL/HBV - Health Risk Limit / Health Based Values (Minnesota Department of Health)

MCL - Maximum Contaminant Levels (Environmental Protection Agency, http://www.epa.gov/safewater/mcl.html#mcls, 3/8/2005)

NPDES - National Pollutant Discharge Elimination System limits only apply to water discharged from CW-4 (last revised 4/11/06).

ND - Not Detected

D - Duplicate

* - Other petroleum related VOCs detected.

** - Concentration due to sample carry over.

1. One or more non-petroleum VOCs detected.
2. Large unidentified peak present in DW-3 and Dup GRO (tentative ID 2-ethyl-1-hexanol).
3. Benzene and 1,2-Dichloroethane were not detected between the MDL and RL unless J flagged
4. Reporting limit for naphthalene was raised due to carryover from a previous sample.
5. Early and late eluting peaks were present outside the GRO window of analysis.
6. Early eluting peaks were present outside the GRO window of analysis.

TABLE 12 - OTHER NOTABLE GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

ID#	Sample	Date	Acetone (ug/L)	Allyl Chloride (µg/L)	Chlorobenzene (µg/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Ethyl Ether (µg/L)	Methyl Ethyl ketone (µg/L)	Methyl Isobutyl ketone (µg/L)	Tetrahydro- furan (µg/L)
	MONITORING WELLS										
	DW-3R	09/25/07	5.4	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0
	DW-8	05/03/05	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<10.0
	DW-8	09/25/07	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0
	DW-8S	12/29/08	10.6	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	DW-8S	02/12/09	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	DW-9	05/03/05	27.7	<2.0	<1.0	1.9	<1.0	<1.0	10.3	<5.0	<10.0
	DW-9	09/25/07	<120	<120	<25	<120	<25	<1.0	<5.0	<5.0	<120
	MW-10D	11/12/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	MW-10D	02/12/09	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	POTABLE WELLS										
9	CW-3	02/16/05	-	1	<0.50	-	-	<5.0	3.3 J	2.1 J	<5.0
	CW-3	11/30/06	<2.3	<2.0	<0.41	<0.37	<0.24	<0.98	<4.3	-	<1.7
	CW-3	03/20/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-3	09/25/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-3	11/12/08	<10.0	<4.0	<1.0	<1.0	1.8	<4.0	<4.0	<4.0	<10.0
	CW-3	08/10/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
10	CW-4	02/16/05	-	0.47 J	0.20 J	-	-	0.56 J	3.5 J	2.2 J	0.83 J
	CW-4	11/30/06	<2.3	<2.0	<0.41	<0.37	0.43 J	<0.98	<4.3	-	<1.7
	CW-4	03/20/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-4	04/25/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-4	09/25/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-4	11/07/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-4	02/12/08	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-4	05/20/08	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-4	08/13/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	CW-4	11/12/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	CW-4	02/11/09	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	CW-4	04/28/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	CW-4	08/10/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	CW-4	12/22/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	CW-4	02/03/10	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
11	CW-5	11/30/06	<2.3	<2.0	<0.41	<0.37	0.56 J	<0.98	<4.3	-	<1.7
	CW-5	03/20/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-5	09/25/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-5	11/12/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	CW-5	08/10/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
12	CW-6	11/30/06	<2.3	<2.0	<0.41	<0.37	1.5	<0.98	<4.3	-	<1.7
	CW-6	03/20/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-6	09/25/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-6	11/12/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	CW-6	08/10/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	CW-7	03/20/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-7	09/25/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-7	11/12/08	<10.0	<4.0	<1.0	<1.0	1.0	<4.0	<4.0	<4.0	<10.0
	CW-7	08/10/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	CW-8	03/20/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-8	09/25/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-8	11/12/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	CW-8	08/10/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	CW-Influent	02/16/05	-	0.85 J	<0.50	-	-	<5.0	3.6 J	2.1 J	0.47 J
	CW-Influent	11/30/06	8.1	<2.0	<0.41	<0.37	0.43 J	<0.98	<4.3	<5.0	<1.7
	CW-Influent	03/20/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-Influent	09/25/07	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-Influent	02/12/08	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-Influent	11/12/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	CW-Influent	02/11/09	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	CW-Influent	08/10/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	CW-Influent	02/03/10	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0

TABLE 12 - OTHER NOTABLE GROUNDWATER ANALYTICAL RESULTS (WELLS)
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

ID#	Sample	Date	Acetone (ug/L)	Allyl Chloride (µg/L)	Chlorobenzene (µg/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Ethyl Ether (µg/L)	Methyl Ethyl ketone (µg/L)	Methyl Isobutyl ketone (µg/L)	Tetrahydro- furan (µg/L)
	CW-Filtered	02/16/05	-	<1.0	<0.50	-	-	<5.0	<5.0	<5.0	<5.0
	CW-Filtered	11/30/06	<2.3	<2.0	<0.41	<0.37	0.43 J	<0.98	<4.3	<5.0	<1.7
	CW-Filtered	03/20/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-Filtered	09/25/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-Filtered	02/12/08	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0
	CW-Filtered	11/12/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	CW-Filtered	02/11/09	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	CW-Filtered	08/10/09	<10.0	<4.0	<1.0	1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	CW-Filtered	02/03/10	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
QA/QC SAMPLES											
	Trip Blank	12/27/04	-	0.75 J	<0.50	-	-	<5.0	3.4 J	2.4 J	<5.0
	Trip Blank	06/02/06	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<10.0
	Trip Blank	08/21/06	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<10.0
	Trip Blank	11/30/06	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<10.0
	Trip Blank	03/20/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	Trip Blank	04/25/07	6.3	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	Trip Blank	05/03/07	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<10.0
	Trip Blank	09/25/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	Trip Blank	11/07/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	Trip Blank	02/12/08	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0
	Trip Blank	05/20/08	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0
	Trip Blank	08/13/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	Trip Blank	11/12/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	Trip Blank	12/29/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	Trip Blank	02/11/09	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	Trip Blank	04/28/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	Trip Blank	08/10/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	Trip Blank	12/22/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	Trip Blank	02/03/10	15.1	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	Method Blank	09/25/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	Method Blank	11/07/07	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
	Method Blank	02/12/08	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0
	Method Blank	05/20/08	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0
	Method Blank	08/13/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	Method Blank	11/12/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	Method Blank	12/29/08	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	Method Blank	02/11/09	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	Method Blank	04/28/09	<10.0	<4.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<10.0
	Method Blank	08/10/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	Method Blank	12/22/09	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	Method Blank	02/03/10	<10.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<10.0
	Equipment Blank	02/16/05	-	<1.0	<0.50	-	-	<5.0	<5.0	<5.0	<5.0
	Equipment Blank	12/29/08	78.1	<4.0	<1.0	<1.0	<1.0	<4.0	21.2	<4.0	<10.0
	HRL / *HBV*	-	700	30	100	60	NE	1000	4000	300	NE
	MCL	-	NE	NE	100	NE	NE	NE	NE	NE	NE
	NPDES	-	NE	NE	NE	NE	NE	NE	NE	NE	NE

Note: Concentrations in micrograms per liter (µg/L), equivalent to parts per billion

4/28/2010

Results at or below the laboratory method detection limits (MDLs) were preceded by the less than symbol (<)

Analytes not sampled, or results not applicable, were represented with a hyphen (-)

Bolded values exceeded the method detection limit (MDL) for the analyte

a Health Risk Limit / Health Based Values (Minnesota Department of Health)

b Maximum Contaminant Levels (Environmental Protection Agency, http://www.epa.gov/safewater/mcl.html#mcls, 3/8/2005)

c National Pollutant Discharge Elimination System limits only apply to water discharged from CW-4

J = Analyte detected between the lab reporting limit and method detection limit (J-flag)

TABLE 20A - SOIL GAS ANALYTICAL RESULTS
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Sample Location (depth in feet)		Sample Date	Sample Duration	Benzene (ug/m3)	Ethylbenzene (ug/m3)	Toluene (ug/m3)	Total Hydrocarbons as Gas (ug/m3)	1,3,5-Trimethylbenzene (ug/m3)	1,2,4-Trimethylbenzene (ug/m3)	m-& p-Xylene (ug/m3)	o-Xylene (ug/m3)	Method
Soil Vapor Assessment												
VP-1 2' - 0724	1	11/04/04	Grab	**20.5**	18.5	35.2	1,650	<17	<17	<30	<15	TO-15
VP-1 5' - 0633	1	11/04/04	Grab	<11	<15	16.5	<580	<17	<17	<30	<15	TO-15
VP-1A 5' - 0682		10/18/05	Grab	**520**	**16,800**	**5,360**	-	**1,750**	**1,500**	**38,400**	**7,060**	TO-14
VP-2 5' - 0145	1	11/04/04	Grab	**24.4**	53	54.4	5,990	<18	<17	31.8	<16	TO-15
VP-2 16' - 0501	1	11/04/04	Grab	**34.1**	34	105.0	8,290	<17	**44.5**	75.9	27.4	TO-15
VP-3 5' - 0561	1	11/04/04	Grab	<750	**1000**	**880**	72,900	<1100	<1100	<2000	<1000	TO-15
VP-3 19.5' - 0357	1	11/04/04	Grab	<6000	<8100	<7000	16,900,000	<9200	<9000	<16000	<8100	TO-15
VP-4 5' - 0722	1	11/04/04	Grab	**61.4**	39.3	64.4	38,400	<17	**25**	36.2	15.9	TO-15
VP-4 14' - 0088	1	11/04/04	Grab	<45	<61	<53	46,900	<69	<68	<120	<61	TO-15
VP-5 5' - 0354	1	11/04/04	Grab	<12	<16	28.0	10,500	<18	**19.5**	48.1	<16	TO-15
VP-5 14' - 0007	1	11/04/04	Grab	**15.6**	21.6	69.3	3,290	<18	**63.5**	79.5	30.0	TO-15
VP-6 5' - 0324	1	11/04/04	Grab	**23.1**	<16	18.8	4,730	<18	**18.0**	<30	<16	TO-15
VP-6 12' - 0414	1	11/04/04	Grab	**14.6**	19.4	48.7	2,740	<17	**52.0**	75.9	27.8	TO-15
VP-7 8.5' - 0741		04/21/05	Grab	<3.2	5.3	8.4	525	<4.9	**12.0**	21.2	8.4	TO-15
VP-8 5.5' - 0803		04/21/05	Grab	**66.2**	20.7	56.7	2,010	<4.5	**13.5**	32.2	13.2	TO-15
VP-9 5.5' - 0126		04/21/05	Grab	**5.9**	14.6	17.6	677	5.0	**15.5**	26.9	11.9	TO-15
VP-10 6.5' - 0566		04/21/05	Grab	**12.7**	30.9	26.8	1,980	**15.0**	**34.5**	71.5	36.2	TO-15
VP-11 6' - 0425		10/18/05	Grab	<5.3	167	49.7	-	**27.1**	**50.7**	417	48.4	TO-15
VP-11 6' - 1033 (dup)		10/18/05	Grab	**4.5**	42.4	15.9	-	**7.6**	**17.4**	107	15.9	TO-15
VP-12 8' - 0017		02/23/07	Grab	**18.0**	25.2	34.9	-	<3.4	**7.5**	13.8	5.5	TO-15
VP-13 8' - 0147		02/23/07	Grab	**30.4**	18.0	45.7	-	<3.4	**11.9**	22.5	8.4	TO-15

TABLE 20A - SOIL GAS ANALYTICAL RESULTS
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Sample Location (depth in feet)		Sample Date	Sample Duration	Benzene (ug/m3)	Ethylbenzene (ug/m3)	Toluene (ug/m3)	Total Hydrocarbons as Gas (ug/m3)	1,3,5-Trimethylbenzene (ug/m3)	1,2,4-Trimethylbenzene (ug/m3)	m-& p-Xylene (ug/m3)	o-Xylene (ug/m3)	Method
QA/QC Samples												
Method Blank: 25167		11/04/04	-	ND	ND	ND	-	ND	ND	ND	ND	TO-15
Method Blank: 81927		04/21/05	-	ND	ND	ND	-	ND	ND	ND	ND	TO-15
Method Blank: 156048		10/18/05	-	ND	ND	ND	-	ND	ND	ND	ND	TO-15
Method Blank: 317227		02/23/07	-	ND	ND	ND	-	ND	ND	ND	ND	TO-15
MDH HRV Acute / *Chronic*	A	-	-	1000 / *1.3 - 4.5*	10000 / *NE*	37000 / *400*	NE	NE	NE	43000t / *NE*	43000t / *NE*	-
EPA Rfc	B			NE	1,000	NE	NE	6	6	700t	700t	-
MDH ISC	C	-	-	NE	NE	NE	NE	NE	NE	NE	NE	-
MPCA Residential ISVs	D			4.5	1000	5000	NE	7	6	100	100	-

4/28/10

Notes: Analytical data reported in micrograms per cubic meter (ug/m3).
Results at or below the laboratory reporting limits (RLs) were preceded by the less than symbol (<).
Concentrations above MPCA screening levels (A through C) are in bold.
A. MDH Health Risk Value (http://www.health.state.mn.us/divs/eh/air/hrvtable.htm, 3/21/05)
B. EPA Reference concentrations
C. MDH Interim Screening Concentration
D. MPCA Residential Intrusion Screening Values

ND - Non-detect
NE - Not Established
1. Sample diluted during laboratory analysis.

TABLE 20B - OTHER NOTABLE SOIL GAS ANALYTICAL RESULTS
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

Sample Location (depth in feet)		Sample Date	Sample Duration	Acetone	1,3-Butadiene	2-Butanone (MEK)	Cyclohexane	4-Ethyltoluene	Methylene Chloride	n-Heptane	n-Hexane	Propylene	Tetrahydro-furan	Method
				(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	
Soil Vapor Assessment														
VP-1 2' - 0724	1	11/04/04	Grab	54.8	<7.9	20.7	<12	<18	<12	<15	19.7	87.1	<10	TO-15
VP-1 5' - 0633	1	11/04/04	Grab	32.1	<7.9	<11	<12	<18	<12	<15	<13	16.4	<10	TO-15
VP-2 5' - 0145	1	11/04/04	Grab	<9.2	<8.1	<11	<13	<18	<13	37.9	177	<6.1	<11	TO-15
VP-2 16' - 0501	1,3	11/04/04	Grab	280	**99.2**	124	<12	27.5	<12	30.8	53	359	40.8	TO-15
VP-3 5' - 0561	1	11/04/04	Grab	<590	<520	<730	<800	<1200	**4,240**	<960	<840	<390[2]	<690	TO-15
VP-3 19.5' - 0357	1	11/04/04	Grab	<4700	<4100	<5800	<6400	<9300	<6500	<7700	<6700	<3100	<5500	TO-15
VP-4 5' - 0722	1	11/04/04	Grab	321	<7.9	121	<12	<18	<12	<15	<13	227	<10	TO-15
VP-4 14' - 0088	1	11/04/04	Grab	128.0	<31	51.0	261	<71	<49	<58	<51	<24[2]	<42	TO-15
VP-5 5' - 0354	1	11/04/04	Grab	133.0	<8.3	42.0	<13	<19	<13	<15	<14	250[2]	<11	TO-15
VP-5 14' - 0007	1	11/04/04	Grab	161	<8.1	44.7	<13	37	<13	<15	24	268	<11	TO-15
VP-6 5' - 0324	1	11/04/04	Grab	46.1	<8.1	15.6	<13	<18	<13	<15	<13	213	<11	TO-15
VP-6 12' - 0414	1	11/04/04	Grab	101	<7.9	37.8	<12	30.5	<12	<15	<13	<5.9[2]	<10	TO-15
VP-7 8.5' - 0741	3	04/21/05	Grab	4.83	**5.85**	8.99	<3.4	20.5	<3.5	<4.1	<3.6	<6.6	<2.9	TO-15
VP-8 5.5' - 0803	3	04/21/05	Grab	3.62	**103**	10.5	5.6	13.5	<3.2	15	26.2	341	<2.7	TO-15
VP-9 5.5' - 0126	3	04/21/05	Grab	3.38	**8.77**	8.09	3.85	12	<3	5.42	7.52	12.1	<2.6	TO-15
VP-10 6.5' - 0566	3	04/21/05	Grab	7.49	**21.8**	14.7	25.9	21	<2.6	15	21.9	27.8	<2.2	TO-15
VP-1A 5' - 0682		10/18/05	Grab	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	TO-14
VP-11 6' - 0425	*	10/18/05	Grab	<3.9	<3.7	<4.9	12,900	60.6	<5.8	11,600	**27,800**	<2.8	<4.9	TO-15
VP-11 6' - 1033 (dup)	*	10/18/05	Grab	<0.81	<0.76	<1.0	460	15.6	<1.2	426	964	<0.59	<1.0	TO-15
VP-12 8' - 0017	*,3	02/23/07	Grab	49.6	9.8	8.20	15.2	3.7	<0.95	21.5	21.7	85.4	13.1	TO-15
VP-13 8' - 0147	*	02/23/07	Grab	104	<0.60	23.6	22.5	6.0	<1.1	24.1	50.1	361	19.6	TO-15
QA/QC Samples														
Method Blank: 25167		11/04/04	-	ND	ND	ND	ND	ND	ND	ND	ND	ND[2]	ND	TO-15
Method Blank: 81927		04/21/05	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	TO-15
Method Blank: 156048		10/18/05	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	TO-15
Method Blank: 317227		02/23/07	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	TO-15
MDH HRV Acute / *Chronic*	A	-	-	NE / *NE*	0.04 / *NE*	NE / *NE*	NE / NE	NE / NE	10,000 / 20	NE / NE	2000 / *NE*	NE / *NE*	NE / *NE*	-
EPA RfC	B			350	2	1000	NE	NE	NE	NE	200	NE	NE	-
MDH ISC	C	-	-	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	-
MPCA Residential ISVs	D	-	-	31000	0.3	5000	6000	NE	20	NE	2000	3000	NE	-

Notes: Analytical data reported in micrograms per cubic meter (ug/m3).
Results at or below the laboratory reporting limits (RLs) were preceded by the less than symbol (<)
Concentrations above MPCA screening levels (A through C) are in bold
A. MDH Health Risk Value (http://www.health.state.mn.us/divs/eh/air/hrvtable.htm, 3/21/05)
B. EPA Reference concentrations
C. MDH Interim Screening Concentration
D. MPCA Residential Intrusion Screening Values

ND - Non-detect above RLs
NE - Not Established
* - Other VOCs Detected (see laboratory report)
1. Sample diluted during laboratory analysis
2. Initial calibration for this compound is outside of method control limits, therefore results is an estimation
3. 1,3-Butadiene may have been misidentified

4/28/10

TABLE 20C - RESULTS OF SOIL GAS SAMPLES FOR VAPOR INTRUSION SCREENING
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

SAMPLE LOCATION	VP-12			VP-13									INTRUSION SCREENING VALUES		
DATE SAMPLE	2/23/07			2/23/07											
DEPTH (-#) or HEIGHT (+#) in feet	-8			-8											
PID Reading (ppm)	-			-											
PARAMETERS	Result (µg/m³)	RL (µg/m³)	Q	Result (µg/m³)	RL (µg/m³)	Q	Result (µg/m³)	RL (µg/m³)	Q	Result (µg/m³)	RL (µg/m³)	Q	Res. ISV (µg/m3)	Com/Indust. ISV (µg/m3)	Acute ISV (µg/m3)
1,1,1-Trichloroethane	ND	1.5		ND	1.5								5,000	10,000	140000
1,1,2,2-Tetrachloroethane	ND	1.9		ND	1.9								0.2	1	NE
1,1,2-Trichloroethane	ND	1.5		ND	1.5								0.6	2	NE
1,1,2-Trichlorotrifluoroethane	ND	2.1		ND	2.1								30,000	80000	NE
1,1-Dichloroethane	ND	1.1		ND	1.1								500	1000	NE
1,1-Dichloroethene	ND	1.1		ND	1.1								200	600	NE
1,2,4-Trichlorobenzene	ND	1.3		ND	1.3								4	10	NE
1,2,4-Trimethylbenzene	7.5	3.4		11.9	3.4								7.0	20	NE
1,2-Dibromoethane (EDB)	ND	2.1		ND	2.1								0.02	0.06	NE
1,2-Dichlorobenzene	ND	1.6		ND	1.6								200	600	NE
1,2-Dichloroethane	ND	1.1		ND	1.1								0.4	1	NE
1,2-Dichloropropane	ND	1.3		ND	1.3								4	10	200
1,3,5-Trimethylbenzene	ND	3.4		ND	3.4								6.0	20	NE
1,3-Butadiene	9.8	0.60		ND	0.60								0.3	1	NE
1,3-Dichlorobenzene	ND	1.6		ND	1.6								NE	NE	NE
1,4-Dichlorobenzene	ND	1.6		ND	1.6								60	200	10000
2-Butanone (MEK)	8.2	0.80		23.6	0.80								5,000	10,000	10000
2-Hexanone	ND	1.1		ND	1.1								NE	NE	NE
2-Propanol	-	-		-	-								7,000	20,000	3200
4-Ethyltoluene	3.7	3.4		6.0	3.4								NE	NE	NE
4-Methyl-2-pentanone (MIBK)	ND	1.1		13.1	1.1								3,000	8000	NE
Acetone	49.6	0.64	L1, SS	104	6.4	D6, L1, SS							31000	87,000	60000
Benzene	18.0	0.87		30.4	0.87								4.5	13	1000
Bromodichloromethane	ND	1.9		ND	1.9								NE	NE	NE
Bromoform	ND	2.8		ND	2.8								9	30	NE
Bromomethane	ND	1.1		2.0	1.1								5	10	2000
Carbon disulfide	5.0	0.84		3.4	0.84								700	2,000	6000
Carbon tetrachloride	ND	1.7		ND	1.7								0.7	2	1900
Chlorobenzene	ND	1.3		ND	1.3								50	100	NE
Chloroethane	ND	0.72		ND	0.72								10,000	30,000	100000
Chloroform	ND	1.3		ND	1.3								100	300	150
Chloromethane	ND	0.56		ND	0.56								90	300	1000
Cyclohexane	15.2	0.91		22.5	0.91								6,000	20000	NE
Dibromochloromethane	ND	2.3		ND	2.3								NE	NE	NE
Dichlorodifluoromethane	2.4	1.3		3.4	1.3								200	600	NE
Dichlorotetrafluoroethane	ND	1.9		ND	1.9								NE	NE	NE
Ethanol	-	-		-	-								15,000	42,000	180000
Ethyl acetate	ND	0.98		ND	0.98								3,000	8,000	40000
Ethylbenzene	25.2	1.2		18.0	1.2								1,000	3,000	10000
Hexachloro-1,3-butadiene	ND	2.9		ND	2.9								0.5	1	NE
Methyl-tert-butyl ether	ND	0.98		ND	0.98								3,000	8,000	7000
Methylene Chloride	ND	0.95		ND	0.95								20	60	10000
Naphthalene	5.1	3.6		5.5	3.6								9	30	NE

TABLE 20C - RESULTS OF SOIL GAS SAMPLES FOR VAPOR INTRUSION SCREENING
PAYNESVILLE PUBLIC WATER SUPPLY - MPCA
PAYNESVILLE, MINNESOTA 56362
TERRACON PROJECT NO. 41987018

SAMPLE LOCATION	VP-12			VP-13									INTRUSION SCREENING VALUES		
DATE SAMPLE	2/23/07			2/23/07											
DEPTH (-#) or HEIGHT (+#) in feet	-8			-8											
PID Reading (ppm)	-			-											
PARAMETERS	Result (µg/m³)	RL (µg/m³)	Q	Result (µg/m³)	RL (µg/m³)	Q	Result (µg/m³)	RL (µg/m³)	Q	Result (µg/m³)	RL (µg/m³)	Q	Res. ISV (µg/m3)	Com/Indust. ISV (µg/m3)	Acute ISV (µg/m3)
Propylene	85.4	0.47	E	361	4.7	D6							3,000	8000	NE
Styrene	1.4	1.2		2.4	1.2								1,000	3,000	21000
Tetrachloroethene	ND	1.9		ND	1.9								20	60	20000
Tetrahydrofuran	13.1	0.80	L1, SS	19.6	0.80	L1, SS							NE	NE	NE
Toluene	34.9	1.0		45.7	1.0								5,000	10,000	37000
Trichloroethene	ND	1.5		ND	1.5								3	8	2000
Trichlorofluoromethane	ND	1.5		ND	1.5								700	2000	NE
Vinyl acetate	ND	0.95		ND	0.95								200	600	NE
Vinyl chloride	ND	0.70		ND	0.70								1	3	180000
cis-1,2-Dichloroethene	ND	1.1		ND	1.1								NE	NE	NE
cis-1,3-Dichloropropene	ND	1.2		ND	1.2								20	60	NE
m&p-Xylene	13.8	2.4		22.5	2.4								100	300	43000
n-Heptane	21.5	1.1		24.1	1.1								NE	NE	NE
n-Hexane	21.7	0.96		50.1	0.96								2,000	6000	NE
o-Xylene	5.5	1.2		8.4	1.2								100	300	43000
trans-1,2-Dichloroethene	ND	1.1		ND	1.1								60	200	800
trans-1,3-Dichloropropene	ND	1.2		ND	1.2								20	60	NE

Notes: Analytical data reported in micrograms per cubic meter (µg/m3).
Results below the laboratory reporting limits (RLs) were preceded by the less than symbol (<) or listed as not detected (ND).
Bold indicates parameter concentration above the respective action level criteria.
NE indicates action levels are not established for the respective parameter.
RL column includes laboratory reporting limits for the respective parameter.
* The action levels shown are for TOTAL Xylenes (combined m&p-Xylene and o-Xylene).
ISV = MPCA Intrusion Screening Value (ISV) (MPCA, Risk-Based Guidance for Vapor Intrusion Pathway 9/08)
Q column includes footnotes for referencing laboratory reporting qualifiers.
D6 = The relative percent difference (RPD) between the sample and the sample duplicate exceeds laboratory control limits.
E = Analyte concentration exceeded the calibration range. The reported result is estimated.
L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
SS = Analyte did not meet the secondary source verfiication criteria for the initial calibration. The reported result should be considered and estimate.
[1] = Collected using certified canister and 200 cubic centimeter per minute (30 min) flow controller.