



2008 ANNUAL MONITORING REPORT

HIGHWAY 96 SITE WHITE BEAR TOWNSHIP, MINNESOTA

DISCLAIMER:

SOME FORMATTING CHANGES MAY HAVE OCCURRED WHEN
THE ORIGINAL DOCUMENT WAS PRINTED TO PDF; HOWEVER,
THE ORIGINAL CONTENT REMAINS UNCHANGED.

**REVISED JUNE 2009
REF. NO. 002012 (58)**

**Prepared by:
Conestoga-Rovers
& Associates**

1801 Old Highway 8 NW
Suite #114
Saint Paul, Minnesota 55112

Office: (651) 639-0913
Fax: (651) 639-0923

web: <http://www.CRAworld.com>

LIST OF TABLES
(Following Report)

TABLE 3.1	GROUNDWATER ELEVATIONS (JANUARY 2008 - DECEMBER 2008)
TABLE 3.2	OPERATION AND MAINTENANCE ACTIVITY -GROUNDWATER EXTRACTION SYSTEM (JANUARY 2008 - DECEMBER 2008)
TABLE 3.3	2008 AVERAGE MONTHLY GROUNDWATER EXTRACTION RATES
TABLE 4.1	HISTORICAL GROUNDWATER SAMPLING EVENT SUMMARY
TABLE 4.2	2008 GROUNDWATER DATA DETECTIONS- PERCHED GROUNDWATER UNIT
TABLE 4.3	2008 GROUNDWATER DATA DETECTIONS- LOWER SAND AQUIFER
TABLE 4.4	2008 GROUNDWATER DATA DETECTIONS- ST. PETER SANDSTONE AQUIFER
TABLE 4.5	2008 GROUNDWATER DATA DETECTIONS- PRAIRIE DU CHIEN AQUIFER
TABLE 4.6	2008 GROUNDWATER DATA DETECTIONS - RESIDENTIAL WELLS
TABLE 5.1	HISTORICAL MSA GAS PROBE MONITORING RESULTS
TABLE 5.2	LANDTEC GEM 500 GAS PROBE MONITORING RESULTS

TABLE 3.1

**GROUNDWATER ELEVATIONS
JANUARY 2008 THROUGH DECEMBER 2008
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>TOC (ft. AMSL)</i>	<i>2/1/2008 (ft. AMSL)</i>	<i>9/3/2008 (ft. AMSL)</i>	<i>10/6/2008 (ft. AMSL)</i>
<u><i>Perched Groundwater Unit</i></u>				
SUMP (<i>pumping</i>)	946.71	NM	NM	924.91
LW1	938.86	NM	NM	927.01
LW2	945.66	NM	NM	932.58
LW3	944.82	NM	NM	928.33
MW1S	950.65	NM	NM	931.63
MW4U	939.65	NM	NM	909.88
MW6S	948.44	NM	NM	928.05
MW10S	935.94	NM	NM	DRY
MW11S	936.34	NM	NM	920.62
P1	941.70	NM	NM	932.05
P2	946.11	NM	NM	928.40
P3	947.11	NM	NM	929.21
P4	948.16	NM	NM	930.68
<u><i>Glacial Drift (Lower Sand) Aquifer</i></u>				
EW1A (<i>pumping</i>)	938.67	NM	NM	861.67
MW1D	951.02	NM	NM	893.91
MW4S	940.33	NM	NM	895.39
MW4D	940.48	NM	NM	892.45
MW6D	948.15	NM	NM	893.72
MW10D	935.94	NM	NM	899.92
MW11D	935.40	NM	NM	897.06
MW12D	940.52	NM	NM	896.89
MW13D	937.66	NM	NM	895.88
MW16D	940.70	NM	NM	893.15
<u><i>Upper St. Peter Sandstone Aquifer</i></u>				
EW1	936.66	NM	NM	892.16
EW2 (<i>pumping</i>)	938.67	NM	NM	830.76
MW7B	942.91	NM	NM	894.69
MW8B	940.91	NM	NM	892.26
MW10B	936.64	NM	NM	892.32
MW12B	939.89	NM	NM	892.28
MW13B	938.34	NM	NM	892.23
MW16B	940.71	NM	NM	892.72
MW17A	914.58	NM	NM	890.16
MW18A	925.39	NM	885.81	885.88
MW19A	913.56	NI	882.65	882.33
MW21A	909.03	NI	882.87	882.51

**GROUNDWATER ELEVATIONS
JANUARY 2008 THROUGH DECEMBER 2008
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>TOC (ft. AMSL)</i>	<i>2/1/2008 (ft. AMSL)</i>	<i>9/3/2008 (ft. AMSL)</i>	<i>10/6/2008 (ft. AMSL)</i>
<i>Basal St. Peter Sandstone Aquifer</i>				
EW3	913.88	NM	876.15	877.16
MW17B	914.50	884.79	NM	883.10
MW18B	925.24	885.11	882.98	883.83
MW19B	913.33	879.05	875.84	876.92
MW20B	915.04	878.52	875.58	876.64
1 Lily Pond Road #	931.18	891.63	NM	890.31
11 Lily Pond Road #	928.54	886.19	NM	884.20
11 Robb Farm Road #	942.63	891.80	NM	890.63
6 Blue Goose Road #	954.15	888.07	NM	886.12
6 West Shore Road *	920.20	882.33	NM	880.62
38 East Oaks Road *	926.25	882.28	NM	879.73
<i>Prairie du Chien Aquifer</i>				
MW17L	914.65	NM	NM	879.27
MW18L	925.44	NM	873.25	875.53
MW19L	914.18	NM	870.33	872.28

Notes:

TOC - Top of Casing

ft. AMSL - Feet Above Mean Sea Level

NM - Not Measured

NI - Not Installed

- Converted Residential Monitoring Well

* - Active Residential Well

TABLE 3.2

**OPERATION AND MAINTENANCE ACTIVITY
GROUNDWATER EXTRACTION SYSTEM
JANUARY 2008 - DECEMBER 2008
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Date</i>	<i>Location</i>	<i>Event</i>	<i>Remedy</i>	<i>Contractor</i>
1/3/2008	EW-1A and EW-2	Water level at EW2 at intake level of pump; Pump replacement/adjustments required.	The pump replacements/adjustments were performed by T.L. Stevens. Installed new pump in EW-2 and added 25' drop pipe to lower pump intake level. Replaced pump in EW1A with original pump from EW2.	T.L. Stevens Well Co.
1/7/2008	EW-1A and EW-2	Electrical work related to pump replacement/adjustments.	Installed pump controls and connected electrical components for replacement pumps in EW-1A and EW-2. Extraction system shut-down for 24 hours to allow water levels to reach static conditions to conduct well performance evaluations.	Claude M. Anderson Electric
1/8/2008	EW-1A and EW-2	Well performance evaluations following pump replacements.	Operational flowrates determined to be 13.0 gpm for EW-1A and 16.0 gpm for EW-2.	CRA (J. McKinnon)
5/28/2008	Sump	Routine maintenance.	Flow meter removed, cleaned, and re-installed. Sump was off from 5/28/2008 to 6/19/2008. Sump flowrate when re-started was 1.1 gpm.	CRA (B. Lardy/ J. McKinnon)
7/10/2008	Cap	Preparation for mowing of cap.	CRA marked monitoring points on the cap with flagged stakes.	CRA (J. McKinnon)
7/22/2008	Cap	The landfill cap needed mowing.	Mark Smith (Mark Of Excellence Homes) hired a subcontractor to mow the cap.	M.O.E. Homes
8/12/2008	EW-2	Routine maintenance.	Flow meter removed, cleaned, and re-installed. Installed a new globe valve, pressure gauge, and lever valve. Switched system configuration at EW-2 so the control valve is located after the flow meter and pressure gauge.	CRA (B. Lardy/ J. McKinnon)

TABLE 3.3

**2008 AVERAGE MONTHLY GROUNDWATER EXTRACTION RATES
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Month</i>	<i>EW - 1A* Flowrate (gpm)</i>	<i>EW -2 (gpm)</i>	<i>Sump Flowrate (gpm)</i>
January	12.27	15.70	3.76
February	11.65	16.57	3.90
March	10.62	16.15	3.88
April	10.97	16.15	4.41
May	10.11	16.33	2.43
June	9.71	15.50	1.18
July	8.41	15.88	2.18
August	6.50	16.05	3.83
September	4.15	15.22	4.03
October	4.11	15.58	4.01
November	3.18	15.16	4.00
December	3.89	14.96	3.97
2008 Avg Monthly Flow Rate (gpm)	8.0	15.8	3.5

Note:

EW-1A was rehabilitated in January 2009 and its current pumping is approximately 8.7 gpm.

HISTORICAL GROUNDWATER SAMPLING EVENT SUMMARY
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

<i>Round</i>	<i>Date</i>	<i>Sampled By</i>	<i>Description</i>
1	January 1986	USEPA	Samples from monitoring and residential wells
2	June 1987	CRA	Samples from leachate, monitoring and residential wells
3	January 1988	CRA	Samples from leachate, monitoring and residential wells
4	August 1988	CRA	Samples from leachate, monitoring and residential wells
5	March 1989	CRA	Samples from leachate, monitoring and residential wells
6	July 1989	CRA	Samples from leachate, monitoring and residential wells
7	October 1989	CRA	Samples from leachate, monitoring and residential wells
8	January 1990	CRA	Samples from leachate, monitoring and residential wells
9	May 1990	CRA	Samples from leachate, monitoring and residential wells
10	September 1990	CRA	Samples from leachate, monitoring and residential wells
11	December 1990	CRA	Samples from leachate, monitoring and residential wells
12	March 1991	CRA	Samples from leachate, monitoring and residential wells
13	June 1991	CRA	Samples from leachate, monitoring and residential wells
14	December 1991	CRA	Samples from leachate, monitoring and residential wells
15	May 1992	CRA	Samples from leachate, monitoring and residential wells
16	November 1992	CRA	Samples from leachate, monitoring and residential wells
17	May 1993	CRA	Samples from leachate, monitoring and residential wells
18	October 1993	CRA	Samples from leachate, monitoring and residential wells
19	January 1994	CRA	Samples from residential wells
20	April 1994	CRA	Samples from residential wells
21	May 1994	CRA	Samples from residential wells
22	August 1994	CRA	Samples from leachate and monitoring wells
23	November 1994	CRA	Samples from residential wells
24	December 1994	CRA	Samples from leachate, monitoring and residential wells
25	May 1995	CRA	Samples from leachate, monitoring and residential wells
26	October 1995	CRA	Samples from leachate, monitoring and residential wells
27	May 1996	CRA	Samples from leachate and monitoring wells
28	October 1996	CRA	Samples from leachate, monitoring and residential wells
29	May 1997	CRA	Samples from leachate and monitoring wells
30	October 1997	CRA	Samples from leachate, monitoring and residential wells
31	May 1998	CRA	Samples from leachate and monitoring wells
32	October 1998	CRA	Samples from leachate, monitoring and residential wells
33	October/November 1999	CRA	Samples from compliance point (pilot study), leachate, monitoring and residential wells
34	January/February 2000	CRA	Samples from compliance point wells
35	October 2000	CRA	Samples from leachate, monitoring and residential wells

HISTORICAL GROUNDWATER SAMPLING EVENT SUMMARY
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

<i>Round</i>	<i>Date</i>	<i>Sampled By</i>	<i>Description</i>
36	November 2001	CRA	Samples from leachate, monitoring and residential wells
37	October 2002	CRA	Samples from leachate, monitoring and residential wells
38	October 2003	CRA	Samples from leachate, monitoring and residential wells
39	October 2004	CRA	Samples from leachate, monitoring and residential wells
40	January 2005	CRA	Samples from residential wells
41	February 2005	CRA/MPCA	Samples from residential wells
42	March 2005	CRA/MPCA	Samples from residential wells
43	April 2005	MPCA	Samples from residential wells
44	May 2005	CRA/MPCA	Samples from residential wells
45	June 2005	CRA/MPCA	Samples from residential wells
46	August 2005	CRA/MPCA	Samples from residential wells
47	October 2005	CRA	Samples from select monitoring wells
48	November 2005	CRA/MPCA	Samples from leachate, monitoring and residential wells
49	December 2005	CRA	Samples from select monitoring wells
50	January 2006	CRA	Samples from select monitoring wells
51	February 2006	CRA/MPCA	Samples from residential wells
52	May 2006	CRA/MPCA	Samples from residential wells
53	October 2006	CRA/MPCA	Samples from leachate, monitoring and residential wells
54	November 2006	CRA	Samples from select monitoring wells
55	January 2007	CRA	Samples from select monitoring wells
56	April 2007	CRA/MPCA	Samples from residential wells
57	October 2007	CRA/MPCA	Samples from leachate, monitoring and residential wells
58	April/May 2008	CRA/MPCA	Samples from residential wells
59	September 2008	CRA	Samples from select monitoring wells
60	October/November 2008	CRA/MPCA	Samples from leachate, monitoring and residential wells

TABLE 4.2

**2008 GROUNDWATER DATA DETECTIONS - PERCHED GROUNDWATER UNIT
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>Date</i>	<i>Chemical Oxygen Demand mg/L</i>	<i>Chloride mg/L</i>	<i>pH</i>	<i>Solids, Total Suspended mg/L</i>	<i>1,1-Dichloroethane ug/L</i>	<i>1,1-Dichloroethene ug/L</i>	<i>1,2,4-Trimehylbenzene ug/L</i>	<i>1,2-Dichloroethane ug/L</i>	<i>1,3,5-Trimehylbenzene ug/L</i>	<i>4-Isopropyltoluene ug/L</i>	<i>Acetone ug/L</i>	<i>Benzene ug/L</i>	<i>Bromodichloromethane ug/L</i>	<i>Chloroethane ug/L</i>	<i>Chloroform ug/L</i>	<i>Chloromethane ug/L</i>	<i>cis-1,2-Dichloroethene ug/L</i>	<i>Dibromochloromethane ug/L</i>
<i>On-Site Monitoring Wells</i>																			
SUMP	1/15/08	NA	NA	NA	NA	4.8	< 1.4	NA	< 1.4	NA	NA	< 14	3.5	< 1.4	18	< 1.4	< 1.4	1.1	< 1.4
SUMP	2/26/08	NA	NA	NA	NA	5.2	< 1.7	NA	1.0 J	NA	NA	< 17	4.0	< 1.7	26	< 1.7	< 1.7	1.1	< 1.7
SUMP	3/28/08	< 20	NA	8.1	< 4.0	3.7	< 1.4	NA	0.66 J	NA	NA	< 14	3.0	< 1.4	20	< 1.4	< 1.4	0.74	< 1.4
SUMP	4/24/08	NA	NA	NA	NA	2.2	< 1.0	NA	0.59 J	NA	NA	< 10	2.3	< 1.0	17	< 1.0	< 1.0	0.61	< 1.0
SUMP	5/20/08	NA	NA	NA	NA	1.5	< 1.0	NA	0.72 J	NA	NA	< 10	2.4	< 1.0	12	< 1.0	< 1.0	0.46 J	< 1.0
SUMP	6/26/08	26	NA	8.1	< 4.0	1.9	< 1.0	NA	< 1.0	NA	NA	< 10	2.5	< 1.0	12	< 1.0	< 1.0	0.59	< 1.0
SUMP	7/22/08	NA	NA	NA	NA	2.8	< 1.0	NA	0.87 J	NA	NA	1.9 J	3.1	< 1.0	15	< 1.0	< 1.0	0.76	< 1.0
SUMP	8/26/08	NA	NA	NA	NA	4.6	< 1.7	NA	< 1.7	NA	NA	5.0 J	3.3	< 1.7	20	< 1.7	< 1.7	0.89	< 1.7
SUMP	9/25/08	45	NA	8.2	< 4.0	4.8	< 2.0	NA	< 2.0	NA	NA	< 20	3.7	< 2.0	20	< 2.0	< 2.0	0.88 J	< 2.0
SUMP	10/13/08	35	111	8.1	< 4.0	3.8	< 1.7	NA	0.7 J	NA	NA	< 17 U	3.0	< 1.7	19	< 1.7	< 1.7	0.9	< 1.7
SUMP	11/19/08	NA	NA	NA	NA	3.9	< 1.4	NA	< 1.4	NA	NA	2.1 J	3.7	< 1.4	18	< 1.4	< 1.4	0.98	< 1.4
SUMP	12/22/08	NA	NA	NA	NA	4.9	< 1.7	NA	0.89 J	NA	NA	< 17	3.7	< 1.7	21	< 1.7	< 1.7	0.98	< 1.7
LW2	10/10/08	NA	14.8	NA	NA	0.48 J	< 1.0	NA	< 1.0	NA	NA	< 10	0.91 J	< 1.0	3.5	< 1.0	< 1.0	0.46 J	< 1.0
LW3	10/13/08	NA	139	NA	NA	0.89 J	< 1.0	NA	0.62 J	NA	NA	< 10 U	1.4	< 1.0	1.4	< 1.0	< 1.0	0.23 J	< 1.0
MW1S	10/10/08	NA	18.3	NA	NA	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 1.0
MW1S	10/10/08	NA	18.5	NA	NA	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	< 1.0	< 1.0	0.4 J	< 0.5	< 1.0

TABLE 4.2

**2008 GROUNDWATER DATA DETECTIONS - PERCHED GROUNDWATER UNIT
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>Date</i>	<i>Dichlorodifluoromethane ug/L</i>	<i>Dichlorofluoromethane ug/L</i>	<i>Ethyl ether ug/L</i>	<i>Ethylbenzene ug/L</i>	<i>Isopropylbenzene ug/L</i>	<i>Methyl ethyl ketone ug/L</i>	<i>Methyl isobutyl ketone ug/L</i>	<i>Methylene chloride ug/L</i>	<i>Naphthalene ug/L</i>	<i>n-Butylbenzene ug/L</i>	<i>Styrene ug/L</i>	<i>Toluene ug/L</i>	<i>trans-1,2-Dichloroethene ug/L</i>	<i>Trichloroethene ug/L</i>	<i>Vinyl chloride ug/L</i>	<i>Xylenes, Total ug/L</i>	<i>Total VOCs ug/L</i>
<i>On-Site Monitoring Wells</i>																		
SUMP	1/15/08	0.94 J	< 2.9	< 14	11	0.84 J	< 14	< 7.2	0.66 J	NA	NA	< 1.4	6.9	1.4	< 1.4	41	23	113.14
SUMP	2/26/08	1.5 J	< 3.3	< 17	13	0.92 J	< 17	< 8.4	< 1.7	NA	NA	< 1.7	7.4	1.5	< 1.7	51	28	140.62
SUMP	3/28/08	1.1 J	< 2.9	< 14	9.4	0.77 J	0.88 J	< 7.2	0.55 J	NA	NA	< 1.4	5.7	1.2	< 1.4	37	21	105.7
SUMP	4/24/08	1.0	0.49 J	< 10	5.2	0.54 J	< 10	< 5.0	< 1.0	NA	NA	< 1.0	3.7	0.91	0.28 J	31	15	80.82
SUMP	5/20/08	< 1.0	< 2.0	< 10	3.6	0.45 J	< 10	< 5.0	< 1.0	NA	NA	< 1.0	3.2	0.6	0.31 J	21	8.6	54.84
SUMP	6/26/08	1.3	0.43 J	< 10	4.1	0.45 J	< 10	< 5.0	< 1.0	NA	NA	< 1.0	3.3	0.79	0.35 J	28	11	66.71
SUMP	7/22/08	1.3	0.44 J	< 10	6.0	1.2	0.6 J	< 5.0	< 1.0	NA	NA	< 1.0	5.2	1.2	0.36 J	38	16	94.73
SUMP	8/26/08	1.6 J	< 3.3	< 17	8.8	0.74 J	1.1 J	< 8.4	< 1.7	NA	NA	< 1.7	6.8	1.3	0.52 J	43	20	117.65
SUMP	9/25/08	1.8 J	< 4.0	< 20	10	0.7 J	< 20	0.65 J	2.3	NA	NA	< 2.0	7.6	1.5	< 2.0	48	24	125.93
SUMP	10/13/08	< 1.7	< 3.3	< 17	9.4	0.66 J	0.97 J	0.54 J	< 1.7	NA	NA	0.22 J	6.5	1.3	< 1.7	41	23	110.99
SUMP	11/19/08	0.97 J	< 2.9	< 14	11	0.81 J	1.1 J	0.53 J	< 1.4	NA	NA	< 1.4	6.7	1.4	0.64 J	44	25	120.83
SUMP	12/22/08	0.97 J	0.89 J	< 17	11	0.72 J	< 17	< 8.4	0.72 J	NA	NA	< 1.7	5.7	1.6	< 1.7	49	25	127.07
LW2	10/10/08	< 1.0	< 2.0	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	0.69 J	0.68	< 1.0	< 1.0	< 1.0	6.72
LW3	10/13/08	< 1.0	1.0 J	0.8 J	< 1.0	0.38 J	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	0.3 J	< 1.0	< 1.0	7.02
MW1S	10/10/08	< 1.0	< 2.0	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	ND
MW1S	10/10/08	D	< 1.0	< 2.0	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	0.4

Notes:

NA - Not Analyzed

ND - Not Detected

D - Duplicate Sample

J - Estimated Result

U - Not present at or above the associated value

TABLE 4.3

**2008 GROUNDWATER DATA DETECTIONS - LOWER SAND AQUIFER
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

Location	SCG ⁽¹⁾ Date	Chemical Oxygen Demand mg/L -	Chloride mg/L -	pH -	Solids, Total Suspended mg/L -	1,1-Dichloroethane ug/L 70	1,1-Dichloroethene ug/L 6	1,2,4-Trimethylbenzene ug/L -	1,2-Dichloroethane ug/L 4	1,3,5-Trimethylbenzene ug/L -	4-Isopropyltoluene ug/L -	Acetone ug/L 700	Benzene ug/L 5	Bromodichloromethane ug/L 6	Chloroethane ug/L -	Chloroform ug/L 60	Chloromethane ug/L -	cis-1,2-Dichloroethene ug/L 70	Dibromochloromethane ug/L 10
<u>On-Site Monitoring Wells</u>																			
MW1D	10/10/08	NA	28.4	NA	NA	0.55 J	< 1.0	NA	< 1.0	NA	NA	< 10 U	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 1.0
MW4S	10/8/08	NA	945	NA	NA	18	< 1.0	NA	1.5	NA	NA	< 10 U	< 1.0	< 1.0	31	< 1.0	< 1.0	2.4	< 1.0
MW10D	10/8/08	NA	20.2	NA	NA	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 10 U	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 1.0
MW10D	10/8/08 D	NA	20.3	NA	NA	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 1.0
MW11D	10/10/08	NA	12.6	NA	NA	0.74 J	< 1.0	NA	< 1.0	NA	NA	< 10 U	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.37 J	< 1.0
<u>Near-Source Compliance Wells</u>																			
EW1A	1/15/08	NA	NA	NA	NA	11	< 2.0	NA	0.73 J	NA	NA	< 20	< 2.0	< 2.0	15	< 2.0	< 2.0	7.5	< 2.0
EW1A	2/26/08	NA	NA	NA	NA	13	< 2.5	NA	0.89 J	NA	NA	< 25	< 2.5	< 2.5	21	< 2.5	< 2.5	7.8	< 2.5
EW1A	3/28/08	< 20	NA	7.0	25	11	< 2.0	NA	0.71 J	NA	NA	< 20	< 2.0	< 2.0	18	< 2.0	< 2.0	7.2	< 2.0
EW1A	4/24/08	NA	NA	NA	NA	12	0.46 J	NA	0.81 J	NA	NA	< 10	0.6 J	< 1.0	23	< 1.0	< 1.0	7.3	< 1.0
EW1A	5/20/08	NA	NA	NA	NA	11	0.46 J	NA	0.62 J	NA	NA	< 10	0.55 J	< 1.0	20	< 1.0	< 1.0	7.5	< 1.0
EW1A	6/26/08	24	NA	7.0	33	12	< 2.5	NA	0.79 J	NA	NA	< 25	< 2.5	< 2.5	17	< 2.5	< 2.5	8.3	< 2.5
EW1A	7/22/08	NA	NA	NA	NA	13	< 3.3	NA	0.94 J	NA	NA	< 33	< 3.3	< 3.3	22	< 3.3	< 3.3	8.8	< 3.3
EW1A	8/26/08	NA	NA	NA	NA	15	< 5.0	NA	< 5.0	NA	NA	< 50	< 5.0	< 5.0	21	< 5.0	< 5.0	12.0	< 5.0
EW1A	9/25/08	160	NA	7.0	38	12	< 5.7	NA	< 5.7	NA	NA	< 57	< 5.7	< 5.7	16	< 5.7	< 5.7	12.0	< 5.7
EW1A	10/13/08	37	81.1	6.9	43	13	< 5.0	NA	< 5.0	NA	NA	< 50	< 5.0	< 5.0	15	< 5.0	< 5.0	13.0	< 5.0
EW1A	11/19/08	NA	NA	NA	NA	10	< 5.0	NA	< 5.0	NA	NA	< 50	< 5.0	< 5.0	11	< 5.0	< 5.0	13.0	< 5.0
EW1A	12/22/08	NA	NA	NA	NA	15	< 5.0	NA	< 5.0	NA	NA	< 50	< 5.0	< 5.0	16	< 5.0	5.0	15.0	< 5.0
MW4D	10/8/08	NA	458	NA	NA	150	< 5.0	NA	16	NA	NA	< 50	2.6 J	< 5.0	170	< 5.0	< 5.0	3.9	< 5.0
<u>Downgradient Compliance Wells</u>																			
MW12D	10/8/08	NA	53.8	NA	NA	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 1.0
MW13D	10/8/08	NA	37.1	NA	NA	1.4	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.85	< 1.0
MW16D	10/8/08	NA	47.6	NA	NA	0.39 J	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	0.74 J	< 1.0	< 1.0	< 0.5	< 1.0

TABLE 4.3

**2008 GROUNDWATER DATA DETECTIONS - LOWER SAND AQUIFER
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>SCG ⁽¹⁾ Date</i>	<i>Dichlorodifluoromethane ug/L 1000</i>	<i>Dichlorofluoromethane ug/L -</i>	<i>Ethyl ether ug/L 1000</i>	<i>Ethylbenzene ug/L 700</i>	<i>Isopropylbenzene ug/L 300</i>	<i>Methyl ethyl ketone ug/L 4000</i>	<i>Methyl isobutyl ketone ug/L 300</i>	<i>Methylene chloride ug/L 5</i>	<i>Naphthalene ug/L -</i>	<i>n-Butylbenzene ug/L -</i>	<i>Styrene ug/L -</i>	<i>Toluene ug/L 1000</i>	<i>trans-1,2-Dichloroethene ug/L 100</i>	<i>Trichloroethene ug/L 5</i>	<i>Vinyl chloride ug/L 2</i>	<i>Xylenes, Total ug/L 10000</i>	<i>Total VOCs ug/L -</i>
<i>On-Site Monitoring Wells</i>																		
MW1D	10/10/08	11	2.5	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	14.05
MW4S	10/8/08	< 1.0	< 2.0	1.2 J	< 1.0	< 1.0	< 10 U	< 5.0	0.36 J	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	2.7	< 1.0	57.16
MW10D	10/8/08	< 1.0	< 2.0	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	ND
MW10D	10/8/08 D	< 1.0	< 2.0	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	ND
MW11D	10/10/08	< 1.0	< 2.0	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	1.11
<i>Near-Source Compliance Wells</i>																		
EW1A	1/15/08	6.2	3.8 J	< 20	< 2.0	< 2.0	< 20	< 10	< 2.0	NA	NA	< 2.0	0.96 J	< 1.0	71	4.6	< 2.0	120.79
EW1A	2/26/08	7.4	3.9 J	< 25	< 2.5	< 2.5	< 25	< 12	< 2.5	NA	NA	< 2.5	1.2 J	< 1.2	75	6.5	< 2.5	136.69
EW1A	3/28/08	4.8	4.2	< 20	< 2.0	< 2.0	< 20	< 10	< 2.0	NA	NA	< 2.0	0.92 J	< 1.0	69	5.2	< 2.0	121.0
EW1A	4/24/08	5.2	3.7	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	1.1	0.25 J	64	6.9	< 1.0	125.32
EW1A	5/20/08	5.6	4.2	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	0.9 J	0.21 J	70	6.5	< 1.0	127.54
EW1A	6/26/08	7.3	4.3 J	< 25	< 2.5	< 2.5	< 25	< 12	< 2.5	NA	NA	< 2.5	0.89 J	< 1.2	83	6.9	< 2.5	140.48
EW1A	7/22/08	5.9	8.8	< 33	< 3.3	< 3.3	< 33	< 17	< 3.3	NA	NA	< 3.3	1.0 J	< 1.7	86	9.2	< 3.3	155.64
EW1A	8/26/08	6.2	4.5 J	< 50	< 5.0	< 5.0	< 50	< 25	< 5.0	NA	NA	< 5.0	0.88 J	< 2.5	110	8.9	< 5.0	178.48
EW1A	9/25/08	3.6 J	4.6 J	< 57	< 5.7	< 5.7	< 57	< 29	19	NA	NA	< 5.7	< 5.7	< 2.9	130	9.6	< 5.7	206.8
EW1A	10/13/08	4.0 J	3.7 J	< 50	< 5.0	< 5.0	< 50	< 25	< 5.0	NA	NA	< 5.0	< 5.0	< 2.5	140	10	< 5.0	198.7
EW1A	11/19/08	2.2 J	< 10	< 50	< 5.0	< 5.0	< 50	< 25	< 5.0	NA	NA	< 5.0	< 5.0	< 2.5	100	16	< 5.0	152.2
EW1A	12/22/08	2.9 J	3.9 J	< 50	< 5.0	< 5.0	< 50	< 25	2.3 J	NA	NA	< 5.0	< 5.0	< 2.5	150	12	< 5.0	222.1
MW4D	10/8/08	7.3	20	2.4 J	< 5.0	< 5.0	< 50	2.1 J	10	NA	NA	< 5.0	2.5 J	< 2.5	< 5.0	5.2	< 5.0	392.0
<i>Downgradient Compliance Wells</i>																		
MW12D	10/8/08	< 1.0	< 2.0	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	ND
MW13D	10/8/08	< 1.0	< 2.0	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	2.25
MW16D	10/8/08	< 1.0	0.47 J	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	1.6

Notes:

Shaded results exceed their respective Site Clean-up Goal (SCG)

⁽¹⁾ - SCGs apply to on-Site monitoring wells and compliance monitoring wells in the Lower Sand and St. Peter Sandstone aquifers, only.

-- - Not Established

ND - Not Detected

J - Estimated Result

NA - Not Analyzed

D - Duplicate

U - Not present at or above the associated value

TABLE 4.4

**2008 GROUNDWATER DATA DETECTIONS - ST. PETER SANDSTONE AQUIFER
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>SCG ⁽¹⁾ Date</i>	<i>Chemical Oxygen Demand mg/L -</i>	<i>Chloride mg/L -</i>	<i>pH -</i>	<i>Solids, Total Suspended mg/L -</i>	<i>1,1-Dichloroethane ug/L 70</i>	<i>1,1-Dichloroethene ug/L 6</i>	<i>1,2,4-Trimethylbenzene ug/L -</i>	<i>1,2-Dichloroethane ug/L 4</i>	<i>1,3,5-Trimethylbenzene ug/L -</i>	<i>4-Isopropyltoluene ug/L -</i>	<i>Acetone ug/L 700</i>	<i>Benzene ug/L 5</i>	<i>Bromodichloromethane ug/L 6</i>	<i>Chloroethane ug/L -</i>	<i>Chloroform ug/L 60</i>	<i>Chloromethane ug/L -</i>	<i>cis-1,2-Dichloroethene ug/L 70</i>	<i>Dibromochloromethane ug/L 10</i>
<i>Near-Source Compliance Wells</i>																			
EW2	1/15/08	NA	NA	NA	NA	2.9	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	1.0 J	< 1.0	< 1.0	1.7	< 1.0
EW2	2/26/08	NA	NA	NA	NA	4.5	< 1.0	NA	0.33 J	NA	NA	< 10	< 1.0	< 1.0	3.1	< 1.0	0.58 J	1.7	< 1.0
EW2	3/28/08	< 20	NA	7.3	18	3.8	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	3.7	< 1.0	< 1.0	1.5	< 1.0
EW2	4/24/08	NA	NA	NA	NA	3.6	< 1.0	NA	0.24 J	NA	NA	< 10	< 1.0	< 1.0	3.1	< 1.0	< 1.0	1.3	< 1.0
EW2	5/20/08	NA	NA	NA	NA	3.5	< 1.0	NA	0.22 J	NA	NA	< 10	< 1.0	< 1.0	2.3	< 1.0	< 1.0	1.2	< 1.0
EW2	6/26/08	< 20	NA	7.5	18	4.0	< 1.0	NA	0.29 J	NA	NA	< 10	< 1.0	< 1.0	2.9	< 1.0	< 1.0	1.3	< 1.0
EW2	7/22/08	NA	NA	NA	NA	4.1	< 1.0	NA	0.29 J	NA	NA	< 10	< 1.0	< 1.0	3.0	< 1.0	< 1.0	1.4	< 1.0
EW2	8/26/08	NA	NA	NA	NA	5.2	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	3.9	< 1.0	< 1.0	1.6	< 1.0
EW2	9/25/08	< 20	NA	7.3	14	5.0	< 1.0	NA	0.46 J	NA	NA	< 10	< 1.0	< 1.0	5.1	< 1.0	0.47 J	1.5	< 1.0
EW2	10/13/08	< 20	35.3	7.2	20	5.4	< 1.0	NA	0.58 J	NA	NA	< 10	0.28 J	< 1.0	6.2	< 1.0	< 1.0	1.7	< 1.0
EW2	11/19/08	NA	NA	NA	NA	6.7	< 1.0	NA	0.63 J	NA	NA	1.2 J	< 1.0	< 1.0	7.2	< 1.0	0.52 J	2.5	< 1.0
EW2	12/22/08	NA	NA	NA	NA	7.8	< 1.0	NA	0.88 J	NA	NA	< 10	< 1.0	< 1.0	8.4	< 1.0	< 1.0	2.9	< 1.0
MW8B	10/10/08	NA	61.1	NA	NA	0.34 J	< 1.0	NA	0.5 J	NA	NA	< 10	< 1.0	< 1.0	5.2	< 1.0	< 1.0	0.37 J	< 1.0
<i>Downgradient Compliance Wells</i>																			
MW10B	10/8/08	NA	2.0	NA	NA	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 1.0
MW12B	10/8/08	NA	1.8	NA	NA	< 1.0	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 1.0
MW13B	10/8/08	NA	24.1	NA	NA	0.38 J	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 1.0
MW16B	10/9/08	NA	12.9	NA	NA	0.37 J	< 1.0	NA	< 1.0	NA	NA	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 1.0

TABLE 4.4

**2008 GROUNDWATER DATA DETECTIONS - ST. PETER SANDSTONE AQUIFER
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

			Chemical Oxygen Demand mg/L -	Chloride mg/L -	pH -	Solids, Total Suspended mg/L -	1,1-Dichloroethane ug/L 70	1,1-Dichloroethene ug/L 6	1,2,4-Trimethylbenzene ug/L -	1,2-Dichloroethane ug/L 4	1,3,5-Trimethylbenzene ug/L -	4-Isopropyltoluene ug/L -	Acetone ug/L 700	Benzene ug/L 5	Bromodichloromethane ug/L 6	Chloroethane ug/L -	Chloroform ug/L 60	Chloromethane ug/L -	cis-1,2-Dichloroethene ug/L 70	Dibromochloromethane ug/L 10
Location	SCG ⁽¹⁾ Date																			
Off-Site Monitoring Wells																				
MW17A	10/7/08		NA	54.1	NA	NA	1.3	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	0.6	< 0.1	< 1.0	0.7	< 0.5
MW17A	10/7/08	D	NA	54.1	NA	NA	1.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	0.6	< 0.5
MW17B	10/7/08		NA	35.6	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
MW18A	10/8/08		NA	34.4	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
MW18B	10/8/08		NA	21.8	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
MW19A	9/3/08		NA	NA	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
MW19A	10/9/08		NA	74.4	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
MW19A	10/9/08	D	NA	74.1	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
MW19B	10/9/08		NA	9.2	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
MW20B	10/9/08		NA	8.5	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
MW21A	9/3/08		NA	NA	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
MW21A	9/3/08	D	NA	NA	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
MW21A	10/9/08		NA	5.4	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
EW3	10/9/08		NA	5.1	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
Converted Residential Monitoring Wells																				
6 Blue Goose Lane	10/6/08		NA	5.2	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
1 Lily Pond Road	10/7/08		NA	18.4	NA	NA	10	< 0.5	< 0.5	0.4	< 0.5	< 0.5	< 20	< 0.2	< 0.2	0.7	< 0.1	< 1.0	< 0.2	< 0.5
11 Lily Pond Road	10/7/08		NA	2.9	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
11 Robb Farm Road	10/6/08		NA	8.5	NA	NA	0.7	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5

TABLE 4.4

**2008 GROUNDWATER DATA DETECTIONS - ST. PETER SANDSTONE AQUIFER
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>SCG ⁽¹⁾ Date</i>	<i>Dichlorodifluoromethane ug/L 1000</i>	<i>Dichlorofluoromethane ug/L -</i>	<i>Ethyl ether ug/L 1000</i>	<i>Ethylbenzene ug/L 700</i>	<i>Isopropylbenzene ug/L 300</i>	<i>Methyl ethyl ketone ug/L 4000</i>	<i>Methyl isobutyl ketone ug/L 300</i>	<i>Methylene chloride ug/L 5</i>	<i>Naphthalene ug/L -</i>	<i>n-Butylbenzene ug/L -</i>	<i>Styrene ug/L -</i>	<i>Toluene ug/L 1000</i>	<i>trans-1,2-Dichloroethene ug/L 100</i>	<i>Trichloroethene ug/L 5</i>	<i>Vinyl chloride ug/L 2</i>	<i>Xylenes, Total ug/L 10000</i>	<i>Total VOCs ug/L -</i>
<i>Near-Source Compliance Wells</i>																		
EW2	1/15/08	5.5	4.2	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	1.0 J	< 1.0	16.23
EW2	2/26/08	8.1	5.6	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	1.3	< 1.0	25.21
EW2	3/28/08	5.9	6.2	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	1.0	< 1.0	22.10
EW2	4/24/08	5.2	4.5	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	0.23 J	1.0 J	< 1.0	19.15
EW2	5/20/08	3.9	3.9	< 10	< 1.0	< 1.0	< 10	< 5.0	0.33 J	NA	NA	< 1.0	< 1.0	< 0.5	0.25 J	1.1	< 1.0	16.70
EW2	6/26/08	8.0	5.5	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	1.2	< 1.0	23.19
EW2	7/22/08	6.8	5.3	< 10	0.48 J	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	0.3 J	1.2	< 1.0	22.87
EW2	8/26/08	5.9	4.7	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	0.21 J	< 0.5	0.69 J	1.4	< 1.0	23.60
EW2	9/25/08	6.6	6.7	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	0.51 J	< 0.5	2.0	0.77 J	< 1.0	29.11
EW2	10/13/08	7.5	5.6	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	0.54 J	< 0.5	4.1	1.6	< 1.0	33.50
EW2	11/19/08	7.0	3.4	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	0.8 J	< 0.5	9.7	2.3	< 1.0	41.95
EW2	12/22/08	7.5	6.9	< 10	< 1.0	< 1.0	< 10	< 5.0	0.33 J	NA	NA	< 1.0	0.71 J	< 0.5	14	3.1	< 1.0	52.52
MW8B	10/10/08	11	9.0	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	26.41
<i>Downgradient Compliance Wells</i>																		
MW10B	10/8/08	< 1.0	< 2.0	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	ND
MW12B	10/8/08	< 1.0	< 2.0	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	ND
MW13B	10/8/08	< 1.0	< 2.0	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	0.38
MW16B	10/9/08	3.3	1.2 J	< 10	< 1.0	< 1.0	< 10	< 5.0	< 1.0	NA	NA	< 1.0	< 1.0	< 0.5	< 1.0	< 1.0	< 1.0	4.87

TABLE 4.4

**2008 GROUNDWATER DATA DETECTIONS - ST. PETER SANDSTONE AQUIFER
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>SCG ⁽¹⁾ Date</i>	<i>Dichlorodifluoromethane ug/L 1000</i>	<i>Dichlorofluoromethane ug/L -</i>	<i>Ethyl ether ug/L 1000</i>	<i>Ethylbenzene ug/L 700</i>	<i>Isopropylbenzene ug/L 300</i>	<i>Methyl ethyl ketone ug/L 4000</i>	<i>Methyl isobutyl ketone ug/L 300</i>	<i>Methylene chloride ug/L 5</i>	<i>Naphthalene ug/L -</i>	<i>n-Butylbenzene ug/L -</i>	<i>Styrene ug/L -</i>	<i>Toluene ug/L 1000</i>	<i>trans-1,2-Dichloroethene ug/L 100</i>	<i>Trichloroethene ug/L 5</i>	<i>Vinyl chloride ug/L 2</i>	<i>Xylenes, Total ug/L 10000</i>	<i>Total VOCs ug/L -</i>
<u>Off-Site Monitoring Wells</u>																		
MW17A	10/7/08	< 1.0	0.6	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	1.1	ND ⁽²⁾	4.3
MW17A	10/7/08	D < 1.0	0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	1.0	ND ⁽²⁾	3.3
MW17B	10/7/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	0.2	ND ⁽²⁾	0.2
MW18A	10/8/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
MW18B	10/8/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
MW19A	9/3/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
MW19A	10/9/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
MW19A	10/9/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
MW19B	10/9/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
MW20B	10/9/08	< 1.0	< 0.5	4.2	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	4.2
MW21A	9/3/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
MW21A	9/3/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
MW21A	10/9/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
EW3	10/9/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	2.3	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	2.3
<u>Converted Residential Monitoring Wells</u>																		
6 Blue Goose Lane	10/6/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
1 Lily Pond Road	10/7/08	11	3.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	25.6
11 Lily Pond Road	10/7/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
11 Robb Farm Road	10/6/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	0.7

Notes:

Shaded results exceed their respective Site Clean-up Goal (SCG)

-- - Not Established

⁽¹⁾ - SCGs apply to on-Site monitoring wells and compliance monitoring wells in the Lower Sand and St. Peter Sandstone aquifers, only.

⁽²⁾ - m/p-xylene and o-xylene were analyzed separately and were not detected.

NA - Not Analyzed

ND - Not Detected

D - Duplicate

J - Estimated Result

TABLE 4.5

**2008 GROUNDWATER DATA DETECTIONS - PRAIRIE DU CHIEN AQUIFER
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>Date</i>	<i>Chemical Oxygen Demand mg/L</i>	<i>Chloride mg/L</i>	<i>pH</i>	<i>Solids, Total Suspended mg/L</i>	<i>1,1-Dichloroethane ug/L</i>	<i>1,1-Dichloroethene ug/L</i>	<i>1,2,4-Trimethylbenzene ug/L</i>	<i>1,2-Dichloroethane ug/L</i>	<i>1,3,5-Trimethylbenzene ug/L</i>	<i>4-Isopropyltoluene ug/L</i>	<i>Acetone ug/L</i>	<i>Benzene ug/L</i>	<i>Bromodichloromethane ug/L</i>	<i>Chloroethane ug/L</i>	<i>Chloroform ug/L</i>	<i>Chloromethane ug/L</i>	<i>cis-1,2-Dichloroethene ug/L</i>	<i>Dibromochloromethane ug/L</i>
<i>Off-Site Monitoring Wells</i>																			
MW17L	10/7/08	NA	11.2	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
MW18L	10/8/08	NA	11.6	NA	NA	< 0.2	< 0.5	1.1	< 0.2	0.6	0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
MW19L	10/9/08	NA	10.7	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5

TABLE 4.5

2008 GROUNDWATER DATA DETECTIONS - PRAIRIE DU CHIEN AQUIFER
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

<i>Location</i>	<i>Date</i>	<i>Dichlorodifluoromethane ug/L</i>	<i>Dichlorofluoromethane ug/L</i>	<i>Ethyl ether ug/L</i>	<i>Ethylbenzene ug/L</i>	<i>Isopropylbenzene ug/L</i>	<i>Methyl ethyl ketone ug/L</i>	<i>Methyl isobutyl ketone ug/L</i>	<i>Methylene chloride ug/L</i>	<i>Naphthalene ug/L</i>	<i>n-Butylbenzene ug/L</i>	<i>Styrene ug/L</i>	<i>Toluene ug/L</i>	<i>trans-1,2-Dichloroethene ug/L</i>	<i>Trichloroethene ug/L</i>	<i>Vinyl chloride ug/L</i>	<i>Xylenes, Total ug/L</i>	<i>Total VOCs ug/L</i>
<i>Off-Site Monitoring Wells</i>																		
MW17L	10/7/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	7.9	< 0.1	< 0.1	< 0.2	ND ⁽¹⁾	7.9
MW18L	10/8/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	2.0	0.7	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽¹⁾	4.9
MW19L	10/9/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽¹⁾	ND

Notes:

NA - Not Analyzed

ND - Not Detected

TABLE 4.6

**2008 GROUNDWATER DATA DETECTIONS - RESIDENTIAL WELLS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>MN HRL Date</i> ⁽¹⁾	<i>Chemical Oxygen Demand mg/L -</i>	<i>Chloride mg/L -</i>	<i>pH -</i>	<i>Solids, Total Suspended mg/L -</i>	<i>1,1-Dichloroethane ug/L 70</i>	<i>1,1-Dichloroethene ug/L 6</i>	<i>1,2,4-Trimethylbenzene ug/L -</i>	<i>1,2-Dichloroethane ug/L 4</i>	<i>1,3,5-Trimethylbenzene ug/L -</i>	<i>4-Isopropyltoluene ug/L -</i>	<i>Acetone ug/L 700</i>	<i>Benzene ug/L 5</i>	<i>Bromodichloromethane ug/L 6</i>	<i>Chloroethane ug/L -</i>	<i>Chloroform ug/L 60</i>	<i>Chloromethane ug/L -</i>	<i>cis-1,2-Dichloroethene ug/L 70</i>	<i>Dibromochloromethane ug/L 10</i>
1 Buffalo Road	4/22/08	NA	17.4	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
1 Buffalo Road	10/16/08	NA	18.8 J	NA	NA	0.1 J	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
3 Buffalo Road	4/22/08	NA	29.3	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
3 Buffalo Road	10/16/08	NA	20.1	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
13 Duck Pass Road	10/21/08	NA	16.0	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
15 Duck Pass Road	10/21/08	NA	16.5	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
22 Duck Pass Road	10/21/08	NA	61.8	NA	NA	1.5	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	1.4	< 1.0	< 0.2	< 0.5
24 Duck Pass Road	10/21/08	NA	5.7	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
26 Duck Pass Road	10/21/08	NA	20.5	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
28 Duck Pass Road	10/13/08	NA	119	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
1 Eagle Ridge Road	4/22/08	NA	16.9	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
1 Eagle Ridge Road	10/17/08	NA	12.3	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 Eagle Ridge Road	4/22/08	NA	21.7	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 Eagle Ridge Road	4/22/08	D	NA	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 Eagle Ridge Road	10/16/08	NA	22.9	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
3 Eagle Ridge Road	4/22/08	NA	35.0	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
3 Eagle Ridge Road	10/17/08	NA	38.3	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
3 Eagle Ridge Road	10/17/08	D	NA	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
4 Eagle Ridge Road	4/22/08	NA	20.1	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
4 Eagle Ridge Road	10/16/08	NA	21.1	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
6 Eagle Ridge Road	4/22/08	NA	63.1	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
6 Eagle Ridge Road	10/17/08	NA	61.9	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
32 East Oaks Road	10/17/08	NA	22.0	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
36 East Oaks Road	10/17/08	NA	15.7	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
38 East Oaks Road	10/14/08	NA	1.2	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
38 East Oaks Road	10/14/08	D	NA	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
44 East Oaks Road	4/22/08	NA	6.9	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
44 East Oaks Road	10/17/08	NA	7.0	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5

TABLE 4.6

**2008 GROUNDWATER DATA DETECTIONS - RESIDENTIAL WELLS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>MN HRL ⁽¹⁾ Date</i>	<i>Chemical Oxygen Demand mg/L -</i>	<i>Chloride mg/L -</i>	<i>pH -</i>	<i>Solids, Total Suspended mg/L -</i>	<i>1,1-Dichloroethane ug/L 70</i>	<i>1,1-Dichloroethene ug/L 6</i>	<i>1,2,4-Trimethylbenzene ug/L -</i>	<i>1,2-Dichloroethane ug/L 4</i>	<i>1,3,5-Trimethylbenzene ug/L -</i>	<i>4-Isopropyltoluene ug/L -</i>	<i>Acetone ug/L 700</i>	<i>Benzene ug/L 5</i>	<i>Bromodichloromethane ug/L 6</i>	<i>Chloroethane ug/L -</i>	<i>Chloroform ug/L 60</i>	<i>Chloromethane ug/L -</i>	<i>cis-1,2-Dichloroethene ug/L 70</i>	<i>Dibromochloromethane ug/L 10</i>
50 East Oaks Road	10/14/08	NA	20.6 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
50 East Oaks Road	10/14/08	D	NA	20.6 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
1 Gadwall	10/17/08		NA	21.2	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 Gadwall	10/21/08		NA	16.9	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
3 Gadwall	10/17/08		NA	14.9	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
4 Gadwall	10/21/08		NA	21.6	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 Heron Lane	10/16/08		NA	45.1 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 Heron Lane	10/16/08	D	NA	44.8 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
1 Hummingbird Hill	5/7/08		NA	11.8	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
1 Hummingbird Hill	10/14/08		NA	10.8 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 Hummingbird Hill	5/7/08		NA	28.6	NA	NA	0.1 J	< 0.5	< 0.5	< 0.2	< 0.5	< 20 RE	< 0.2	< 0.2	< 0.5	< 0.1	1.4	< 0.2	< 0.5
2 Hummingbird Hill	5/7/08	D	NA	28.5	NA	NA	0.1 J	< 0.5	< 0.5	< 0.2	< 0.5	< 20 RE	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 Hummingbird Hill	10/14/08		NA	20.8 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
1 Poplar Lane	10/14/08		NA	< 1.0	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
3 Poplar Lane	10/15/08		NA	20.2	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
4 Poplar Lane	10/14/08		NA	8.6	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
6 Poplar Lane	10/15/08		NA	2.7	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
8 Poplar Lane	4/23/08		NA	39.8	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
8 Poplar Lane	10/15/08		NA	28.9	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
8 Poplar Lane	10/15/08	D	NA	28.8	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
10 Poplar Lane	4/22/08		NA	8.6	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
10 Poplar Lane	4/22/08	D	NA	8.6	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
10 Poplar Lane	10/15/08		NA	7.3	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
3 Quail Lane	4/23/08		NA	11.5	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
3 Quail Lane	4/23/08	D	NA	11.7	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
3 Quail Lane	10/15/08		NA	12.4	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
37 Robb Farm Road	10/14/08		NA	3.5	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5

TABLE 4.6

**2008 GROUNDWATER DATA DETECTIONS - RESIDENTIAL WELLS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>MN HRL ⁽¹⁾ Date</i>	<i>Chemical Oxygen Demand mg/L -</i>	<i>Chloride mg/L -</i>	<i>pH -</i>	<i>Solids, Total Suspended mg/L -</i>	<i>1,1-Dichloroethane ug/L 70</i>	<i>1,1-Dichloroethene ug/L 6</i>	<i>1,2,4-Trimethylbenzene ug/L -</i>	<i>1,2-Dichloroethane ug/L 4</i>	<i>1,3,5-Trimethylbenzene ug/L -</i>	<i>4-Isopropyltoluene ug/L -</i>	<i>Acetone ug/L 700</i>	<i>Benzene ug/L 5</i>	<i>Bromodichloromethane ug/L 6</i>	<i>Chloroethane ug/L -</i>	<i>Chloroform ug/L 60</i>	<i>Chloromethane ug/L -</i>	<i>cis-1,2-Dichloroethene ug/L 70</i>	<i>Dibromochloromethane ug/L 10</i>
41 Robb Farm Road	10/14/08	NA	2.3	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
43 Robb Farm Road	10/14/08	NA	20.3	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
44 Robb Farm Road	10/14/08	NA	19.3	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
45 Robb Farm Road	10/14/08	NA	18.2	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 Ski Lane	4/23/08	NA	18.7	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 Ski Lane	10/15/08	NA	32.6	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 Ski Lane	10/15/08	D	NA	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
4 Ski Lane	4/23/08	NA	29.4	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
4 Ski Lane	10/15/08	NA	37.0	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
6 Ski Lane	4/23/08	NA	21.1	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
6 Ski Lane	10/15/08	NA	19.3	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
8 Ski Lane	4/28/08	NA	9.2	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
8 Ski Lane	10/15/08	NA	13.2	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
10 Ski Lane	4/28/08	NA	23.0	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
10 Ski Lane	10/15/08	NA	11.0	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
12 Ski Lane	4/28/08	NA	9.0	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
12 Ski Lane	10/15/08	NA	19.9	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
14 Ski Lane	4/28/08	NA	16.2	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
14 Ski Lane	10/15/08	NA	34.1 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
16 Ski Lane	4/28/08	NA	17.9	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
16 Ski Lane	10/15/08	NA	19.6 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
1 Thompson Lane	4/23/08	NA	23.1	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	4.4	< 0.5	8.6	< 1.0	< 0.2	2.1
1 Thompson Lane	10/15/08	NA	22.2	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	6.4	< 0.5	15	< 1.0	< 0.2	2.2
2 Thompson Lane	5/7/08	NA	41.5	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 Thompson Lane	10/14/08	NA	43.4 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	3.0	< 1.0	< 0.2	< 0.5
3 Thompson Lane	4/23/08	NA	6.1	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
3 Thompson Lane	10/13/08	NA	5.6	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5

TABLE 4.6

**2008 GROUNDWATER DATA DETECTIONS - RESIDENTIAL WELLS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>MN HRL ⁽¹⁾ Date</i>	<i>Chemical Oxygen Demand mg/L -</i>	<i>Chloride mg/L -</i>	<i>pH -</i>	<i>Solids, Total Suspended mg/L -</i>	<i>1,1-Dichloroethane ug/L 70</i>	<i>1,1-Dichloroethene ug/L 6</i>	<i>1,2,4-Trimethylbenzene ug/L -</i>	<i>1,2-Dichloroethane ug/L 4</i>	<i>1,3,5-Trimethylbenzene ug/L -</i>	<i>4-Isopropyltoluene ug/L -</i>	<i>Acetone ug/L 700</i>	<i>Benzene ug/L 5</i>	<i>Bromodichloromethane ug/L 6</i>	<i>Chloroethane ug/L -</i>	<i>Chloroform ug/L 60</i>	<i>Chloromethane ug/L -</i>	<i>cis-1,2-Dichloroethene ug/L 70</i>	<i>Dibromochloromethane ug/L 10</i>
4 Thompson Lane	4/23/08	NA	114	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
4 Thompson Lane	10/15/08	NA	135	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
1 West Shore Road	10/16/08	NA	34.6 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
2 West Shore Road	10/16/08	NA	36.5 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
3 West Shore Road	10/16/08	NA	2.8 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
4 West Shore Road	10/24/08	NA	66.0	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
5 West Shore Road	10/16/08	NA	4.2 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
5 West Shore Road	10/16/08	R	NA	NA	NA	< 0.2 UJ	< 0.5 UJ	< 0.5 UJ	< 0.2 UJ	< 0.5 UJ	< 0.5 UJ	< 20 UJ	< 0.2 UJ	< 0.2 UJ	< 0.5 UJ	< 0.1 UJ	< 1.0 UJ	< 0.2 UJ	< 0.5 UJ
5 West Shore Road	11/24/08	NA	NA	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
6 West Shore Road	10/16/08	NA	2.7 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
7 West Shore Road	10/16/08	NA	3.5 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
7 West Shore Road	10/16/08	D	NA	3.4 J	NA	< 0.2	< 0.5	< 0.5 UJ	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
8 West Shore Road	10/14/08	NA	6.4 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
9 West Shore Road	4/21/08	NA	5.4	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
9 West Shore Road	10/16/08	NA	4.1 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
10 West Shore Road	4/21/08	NA	20.8	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
10 West Shore Road	10/16/08	NA	23.2 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
11 West Shore Road	4/21/08	NA	22.0	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
11 West Shore Road	10/16/08	NA	10.6 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
12 West Shore Road	5/7/08	NA	30.4	NA	NA	0.3	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	0.2	< 0.5
12 West Shore Road	10/14/08	NA	42.0 J	NA	NA	0.5	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	0.3	< 0.5
12 West Shore Road	11/24/08	NA	NA	NA	NA	0.3	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	0.3	< 0.5
12 West Shore Road	11/24/08	D	NA	NA	NA	0.4	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	0.3	< 0.5
15 West Shore Road	4/21/08	NA	23.3	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5
15 West Shore Road	10/16/08	NA	24.6 J	NA	NA	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 20	< 0.2	< 0.2	< 0.5	< 0.1	< 1.0	< 0.2	< 0.5

TABLE 4.6

**2008 GROUNDWATER DATA DETECTIONS - RESIDENTIAL WELLS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>MN HRL ⁽¹⁾ Date</i>	<i>Dichlorodifluoromethane ug/L 1000</i>	<i>Dichlorofluoromethane ug/L -</i>	<i>Ethyl ether ug/L 1000</i>	<i>Ethylbenzene ug/L 700</i>	<i>Isopropylbenzene ug/L 300</i>	<i>Methyl ethyl ketone ug/L 4000</i>	<i>Methyl isobutyl ketone ug/L 300</i>	<i>Methylene chloride ug/L 5</i>	<i>Naphthalene ug/L 300</i>	<i>n-Butylbenzene ug/L -</i>	<i>Styrene ug/L -</i>	<i>Toluene ug/L 1000</i>	<i>trans-1,2-Dichloroethene ug/L 100</i>	<i>Trichloroethene ug/L 5</i>	<i>Vinyl chloride ug/L 0.2</i>	<i>Xylenes, Total ug/L 10000</i>	<i>Total VOCs ug/L</i>
1 Buffalo Road	4/22/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
1 Buffalo Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0 UJ	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	0.1
3 Buffalo Road	4/22/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
3 Buffalo Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0 UJ	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
13 Duck Pass Road	10/21/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
15 Duck Pass Road	10/21/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
22 Duck Pass Road	10/21/08	6.8	2.1	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	11.8
24 Duck Pass Road	10/21/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
26 Duck Pass Road	10/21/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
28 Duck Pass Road	10/13/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
1 Eagle Ridge Road	4/22/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
1 Eagle Ridge Road	10/17/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
2 Eagle Ridge Road	4/22/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
2 Eagle Ridge Road	4/22/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
2 Eagle Ridge Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
3 Eagle Ridge Road	4/22/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
3 Eagle Ridge Road	10/17/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
3 Eagle Ridge Road	10/17/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
4 Eagle Ridge Road	4/22/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
4 Eagle Ridge Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
6 Eagle Ridge Road	4/22/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
6 Eagle Ridge Road	10/17/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
32 East Oaks Road	10/17/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
36 East Oaks Road	10/17/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
38 East Oaks Road	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
38 East Oaks Road	10/14/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
44 East Oaks Road	4/22/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
44 East Oaks Road	10/17/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND

TABLE 4.6

**2008 GROUNDWATER DATA DETECTIONS - RESIDENTIAL WELLS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

	MN HRL ⁽¹⁾	Dichlorodifluoromethane ug/L 1000	Dichlorofluoromethane - ug/L	Ethyl ether ug/L 1000	Ethylbenzene ug/L 700	Isopropylbenzene ug/L 300	Methyl ethyl ketone ug/L 4000	Methyl isobutyl ketone ug/L 300	Methylene chloride ug/L 5	Naphthalene ug/L 300	n-Butylbenzene ug/L -	Styrene ug/L -	Toluene ug/L 1000	trans-1,2-Dichloroethene ug/L 100	Trichloroethene ug/L 5	Vinyl chloride ug/L 0.2	Xylenes, Total ug/L 10000	Total VOCs ug/L	
Location	Date																		
50 East Oaks Road	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND	
50 East Oaks Road	10/14/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND	
1 Gadwall	10/17/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
2 Gadwall	10/21/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
3 Gadwall	10/17/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
4 Gadwall	10/21/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
2 Heron Lane	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
2 Heron Lane	10/16/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
1 Hummingbird Hill	5/7/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
1 Hummingbird Hill	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND	
2 Hummingbird Hill	5/7/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	UJ	< 0.5	< 0.5	< 0.1	< 0.1	0.13 J	ND ⁽²⁾	1.63
2 Hummingbird Hill	5/7/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	UJ	< 0.5	< 0.5	< 0.1	< 0.1	0.12 J	ND ⁽²⁾	0.22
2 Hummingbird Hill	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND	
1 Poplar Lane	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
3 Poplar Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
4 Poplar Lane	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
6 Poplar Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
8 Poplar Lane	4/23/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND	
8 Poplar Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
8 Poplar Lane	10/15/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
10 Poplar Lane	4/22/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
10 Poplar Lane	4/22/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
10 Poplar Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
3 Quail Lane	4/23/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND	
3 Quail Lane	4/23/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND	
3 Quail Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
37 Robb Farm Road	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND

TABLE 4.6

**2008 GROUNDWATER DATA DETECTIONS - RESIDENTIAL WELLS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>MN HRL ⁽¹⁾ Date</i>	<i>Dichlorodifluoromethane ug/L 1000</i>	<i>Dichlorofluoromethane ug/L -</i>	<i>Ethyl ether ug/L 1000</i>	<i>Ethylbenzene ug/L 700</i>	<i>Isopropylbenzene ug/L 300</i>	<i>Methyl ethyl ketone ug/L 4000</i>	<i>Methyl isobutyl ketone ug/L 300</i>	<i>Methylene chloride ug/L 5</i>	<i>Naphthalene ug/L 300</i>	<i>n-Butylbenzene ug/L -</i>	<i>Styrene ug/L -</i>	<i>Toluene ug/L 1000</i>	<i>trans-1,2-Dichloroethene ug/L 100</i>	<i>Trichloroethene ug/L 5</i>	<i>Vinyl chloride ug/L 0.2</i>	<i>Xylenes, Total ug/L 10000</i>	<i>Total VOCs ug/L</i>
41 Robb Farm Road	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
43 Robb Farm Road	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
44 Robb Farm Road	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
45 Robb Farm Road	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
2 Ski Lane	4/23/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
2 Ski Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
2 Ski Lane	10/15/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
4 Ski Lane	4/23/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
4 Ski Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
6 Ski Lane	4/23/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
6 Ski Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
8 Ski Lane	4/28/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
8 Ski Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
10 Ski Lane	4/28/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
10 Ski Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
12 Ski Lane	4/28/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
12 Ski Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
14 Ski Lane	4/28/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
14 Ski Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
16 Ski Lane	4/28/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
16 Ski Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
1 Thompson Lane	4/23/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	15.1
1 Thompson Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	23.6
2 Thompson Lane	5/7/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
2 Thompson Lane	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	3.0
3 Thompson Lane	4/23/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	1.2	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	1.2
3 Thompson Lane	10/13/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	0.3 J	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	0.3

TABLE 4.6

**2008 GROUNDWATER DATA DETECTIONS - RESIDENTIAL WELLS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Location</i>	<i>MN HRL ⁽¹⁾ Date</i>	<i>Dichlorodifluoromethane ug/L 1000</i>	<i>Dichlorofluoromethane ug/L -</i>	<i>Ethyl ether ug/L 1000</i>	<i>Ethylbenzene ug/L 700</i>	<i>Isopropylbenzene ug/L 300</i>	<i>Methyl ethyl ketone ug/L 4000</i>	<i>Methyl isobutyl ketone ug/L 300</i>	<i>Methylene chloride ug/L 5</i>	<i>Naphthalene ug/L 300</i>	<i>n-Butylbenzene ug/L -</i>	<i>Styrene ug/L -</i>	<i>Toluene ug/L 1000</i>	<i>trans-1,2-Dichloroethene ug/L 100</i>	<i>Trichloroethene ug/L 5</i>	<i>Vinyl chloride ug/L 0.2</i>	<i>Xylenes, Total ug/L 10000</i>	<i>Total VOCs ug/L</i>
4 Thompson Lane	4/23/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
4 Thompson Lane	10/15/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
1 West Shore Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
2 West Shore Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
3 West Shore Road	10/16/08	< 1.0 UJ	< 0.5	< 2.0	< 0.5 UJ	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5 UJ	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
4 West Shore Road	10/24/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
5 West Shore Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0 UJ	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	0.2 J SIC	< 0.1	0.16 J SIC	ND ⁽²⁾	0.36 SIC
5 West Shore Road	10/16/08	R < 1.0 UJ	< 0.5 UJ	< 2.0 UJ	< 0.5 UJ	< 0.5 UJ	< 10 UJ	< 5.0 UJ	< 0.5 UJ	< 1.0 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.1 UJ	< 0.1 UJ	< 0.2 UJ	ND ⁽²⁾	ND
5 West Shore Road	11/24/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
6 West Shore Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0 UJ	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
7 West Shore Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0 UJ	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
7 West Shore Road	10/16/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0 UJ	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
8 West Shore Road	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
9 West Shore Road	4/21/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
9 West Shore Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0 UJ	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
10 West Shore Road	4/21/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
10 West Shore Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0 UJ	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
11 West Shore Road	4/21/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
11 West Shore Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0 UJ	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
12 West Shore Road	5/7/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	0.2 J	ND ⁽²⁾	0.7
12 West Shore Road	10/14/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	0.3	ND ⁽²⁾	1.1
12 West Shore Road	11/24/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	0.2	ND ⁽²⁾	0.8
12 West Shore Road	11/24/08	D < 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	0.3	ND ⁽²⁾	1.0
15 West Shore Road	4/21/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND
15 West Shore Road	10/16/08	< 1.0	< 0.5	< 2.0	< 0.5	< 0.5	< 10	< 5.0 UJ	< 0.5	< 1.0 UJ	< 0.5	< 0.5	< 0.5	< 0.1	< 0.1	< 0.2	ND ⁽²⁾	ND

Notes:

■ Shaded results exceeded their perspective MN HRLs.

⁽¹⁾ - MN HRL - Minnesota Department of Health, Health Risk Limit

⁽²⁾ - m/p-xylene & o-xylene were analyzed separately and not detected.

-- - Not Established

NA - Not Analyzed

ND - Not Detected

RE - Rejected Reporting Limit

D - Duplicate

J - Estimated Result

R - Re-Analysis

SIC - Suspected Instrument Carry-over (Laboratory)

UJ - Estimated Reporting Limit

TABLE 5.1

HISTORICAL MSA GAS PROBE MONITORING RESULTS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

<i>Probe</i>	<i>Date</i>	<i>Pressure (in. w.c.)</i>	<i>% Combustible Gas</i>	
			<i>w/charcoal</i>	<i>w/o charcoal</i>
GP1	5/19/1995	NM	10.0	NM
	6/29/1995	0.0	35.0	25.0
	9/6/1995	0.0	NM	16.0
	11/16/1995	NM	11.0	9.0
	5/20/1996	0.0	50.0	50.0
	8/9/1996	0.0	NM	32.0
	10/11/1996	0.0	25.0	32.0
	6/6/1997	0.0	30.0	34.0
	9/18/1997	0.0	70.0	71.0
	11/25/1997	NM	54.0	54.0
	5/18/1998	0.0	54.0	56.0
	9/23/1998	0.0	48.0	58.0
	10/26/1998	0.0	68.0	58.0
	4/8/1999	0.0	24.0	36.0
	7/16/1999	0.0	16.0	12.0
	11/2/1999	0.0	1.1	4.6
	6/30/2000	0.0 ⁽¹⁾	56.0	44.0
	9/21/2000	0.0 ⁽¹⁾	0.0	0.0
	1/5/2001	0.2 ⁽¹⁾	57.0	54.0
GP2	5/19/1995	NM	45.0	NM
	6/29/1995	0.0	42.0	30.0
	9/6/1995	0.0	NM	48.0
	11/16/1995	NM	50.0	50.0
	5/20/1996	0.0	32.0	40.0
	8/9/1996	0.0	NM	24.0
	10/11/1996	0.0	13.0	20.0
	6/6/1997	0.0	17.0	24.0
	9/18/1997	0.0	54.0	70.0
	11/25/1997	NM	25.0	34.0
	5/18/1998	0.0	29.0	35.0
	9/23/1998	0.0	4.4	2.6
	10/26/1998	0.0	3.8	22.0
	4/8/1999	0.0	0.0	0.0
	7/16/1999	0.0	15.0	16.0
	11/2/1999	0.0	2.0	3.6
	6/30/2000	0.4 ⁽¹⁾	12.0	8.0
	9/21/2000	0.0 ⁽¹⁾	5.0	9.0
	1/5/2001	0.0 ⁽¹⁾	32.0	32.0

TABLE 5.1

**HISTORICAL MSA GAS PROBE MONITORING RESULTS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Probe</i>	<i>Date</i>	<i>Pressure (in. w.c.)</i>	<i>% Combustible Gas</i>	
			<i>w/charcoal</i>	<i>w/o charcoal</i>
GP3	5/19/1995	NM	76.0	NM
	6/29/1995	0.0	70.0	70.0
	9/6/1995	0.0	NM	78.0
	11/16/1995	NM	72.0	72.0
	5/20/1996	0.0	82.0	82.0
	8/9/1996	0.0	NM	85.0
	10/11/1996	0.0	75.0	75.0
	6/6/1997	0.0	8.0	14.0
	9/18/1997	0.0	90.0	90.0
	11/25/1997	NM	93.0	93.0
	5/18/1998	0.0	80.0	84.0
	9/23/1998	0.0	78.0	90.0
	10/26/1998	0.0	88.0	88.0
	4/8/1999	0.0	100*	110*
	7/16/1999	0.0	0.0	0.0
	11/2/1999	0.0	9.0	11.0
	6/30/2000	0.1 ⁽¹⁾	23.0	22.0
	9/21/2000	0.0 ⁽¹⁾	0.0	0.0
	1/5/2001	0.1 ⁽¹⁾	38.0	36.0
GP4	5/19/1995	NM	79.0	NM
	6/29/1995	>5	54.0	40.0
	9/6/1995	>5	NM	72.0
	11/16/1995	NM	80.0	82.0
	5/20/1996	1.0	40.0	40.0
	8/9/1996	0.0	NM	28.0
	10/11/1996	0.0	72.0	74.0
	6/6/1997	0.0	0.3	0.8
	9/18/1997	0.0	63.0	78.0
	11/25/1997	NM	83.0	85.0
	5/18/1998	0.0	30.0	44.0
	9/23/1998	0.0	26.0	26.0
	10/26/1998	0.0	44.0	40.0
	4/8/1999	0.0	8.0	0.0
	7/16/1999	0.0	0.0	0.0
	11/2/1999	0.0	0.3	0.9
	6/30/2000	0.0 ⁽¹⁾	0.0	0.0
	9/21/2000	0.1 ⁽¹⁾	0.0	0.0
	1/5/2001	0.0 ⁽¹⁾	52.0	56.0

TABLE 5.1

HISTORICAL MSA GAS PROBE MONITORING RESULTS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

<i>Probe</i>	<i>Date</i>	<i>Pressure (in. w.c.)</i>	<i>% Combustible Gas</i>	
			<i>w/charcoal</i>	<i>w/o charcoal</i>
GP5	5/19/1995	NM	82.0	NM
	6/29/1995	0.0	80.0	80.0
	9/6/1995	0.0	NM	88.0
	11/16/1995	NM	80.0	80.0
	5/20/1996	0.0	82.0	82.0
	8/9/1996	0.0	NM	29.0
	10/11/1996	0.0	46.0	46.0
	6/6/1997	0.0	16.0	28.0
	9/18/1997	0.0	33.0	34.0
	11/25/1997	NM	50.0	52.0
	5/18/1998	0.0	40.0	42.0
	9/23/1998	0.0	30.0	32.0
	10/26/1998	0.0	24.0	28.0
	4/8/1999	0.0	102*	140*
	7/16/1999	0.0	10.0	0.0
	11/2/1999	0.0	0.0	0.0
	6/30/2000	0.0 ⁽¹⁾	33.0	32.0
	9/21/2000	0.0 ⁽¹⁾	0.0	0.0
	1/5/2001	0.0 ⁽¹⁾	45.0	42.0
GP6	5/19/1995	NM	0.5	NM
	6/29/1995	0.0	5.7	4.5
	9/6/1995	0.0	NM	50.0
	11/16/1995	NM	18.0	18.0
	5/20/1996	0.0	30.0	35.0
	8/9/1996	0.0	NM	0.0
	10/11/1996	0.0	8.0	9.0
	6/6/1997	0.0	0.0	0.0
	9/18/1997	0.0	1.5	1.6
	11/25/1997	NM	39.0	40.0
	5/18/1998	0.0	47.0	52.0
	9/23/1998	0.0	1.5	1.4
	10/26/1998	0.0	0.0	0.0
	4/8/1999	0.0	19.0	30.0
	7/16/1999	0.0	0.0	0.0
	11/2/1999	0.0	0.0	0.0
	6/30/2000	0.0 ⁽¹⁾	32.0	30.0
	9/21/2000	0.0 ⁽¹⁾	0.0	0.0
	1/5/2001	0.0 ⁽¹⁾	42.0	40.0

Notes:

* Data point ignored

⁽¹⁾ Pressure measured with LandTec GEM 500

**LANDTEC GEM 500
GAS PROBE MONITORING RESULTS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Probe</i>	<i>Date</i>	<i>LandTec GEM 500 Readings*</i>			
		<i>Pressure (in. H₂O)</i>	<i>%CH₄</i>	<i>%CO₂</i>	<i>%O₂</i>
GP1	11/02/99	0.0	1.3	17.6	3.5
GP1	06/30/00	0.0	46.3	13.2	5.1
GP1	09/21/00	0.0	3.6	1.4	19.3
GP1	01/05/01	0.2	62.4	12.3	2.3
GP1	05/18/01	0.0	0.0	8.1	6.8
GP1	08/17/01	0.0	0.4	12.4	1.9
GP1	06/17/02	0.0	0.0	7.3	6.0
GP1	11/04/02	0.0	0.0	4.2	14.9
GP1	05/20/03	0.0	0.0	2.5	15.2
GP1	08/13/03	0.0	0.0	18.2	1.7
GP1	04/14/04	0.0	2.0	8.5	7.3
GP1	07/08/04	0.0	0.1	6.1	12.8
GP1	04/27/05	0.0	0.0	2.5	18.9
GP1	07/06/05	0.0	0.0	13.9	7.2
GP1	04/26/06	0.0	0.0	4.6	15.0
GP1	09/20/06	0.0	0.1	8.2	7.4
GP1	06/13/07	0.0	6.3	14.0	2.5
GP1	09/20/07	0.0	31.9	11.2	8.9
GP1	06/12/08	0.0	0.0	10.4	6.5
GP1	08/26/08	0.0	0.0	3.4	16.1
GP2	11/02/99	0.0	6.1	14.2	1.0
GP2	06/30/00	0.4	11.0	15.6	0.0
GP2	09/21/00	0.0	10.2	15.9	1.8
GP2	01/05/01	0.0	34.7	8.7	2.5
GP2	05/18/01	0.0	13.6	6.1	6.3
GP2	08/17/01	0.0	14.3	15.7	0.8
GP2	06/17/02	0.0	0.0	2.4	16.9
GP2	11/04/02	0.0	23.2	10.5	4.2
GP2	05/20/03	0.0	0.0	0.5	19.7
GP2	08/13/03	0.0	9.8	0.7	11.4
GP2	04/14/04	0.0	0.0	16.7	2.0
GP2	07/08/04	0.0	0.1	12.6	4.9
GP2	04/27/05	0.0	0.0	1.9	16.2
GP2	07/06/05	0.0	0.3	7.8	6.7
GP2	04/26/06	0.0	0.0	0.9	19.5
GP2	09/20/06	0.0	3.4	8.3	7.7
GP2	06/13/07	0.0	0.1	6.0	15.0
GP2	09/20/07	0.0	15.0	9.1	7.5
GP2	06/12/08	0.0	0.0	6.1	9.9
GP2	08/26/08	0.0	2.9	6.1	7.9

**LANDTEC GEM 500
GAS PROBE MONITORING RESULTS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Probe</i>	<i>Date</i>	<i>LandTec GEM 500 Readings*</i>			
		<i>Pressure (in. H₂O)</i>	<i>%CH₄</i>	<i>%CO₂</i>	<i>%O₂</i>
GP3	11/02/99	0.0	15.1	0.7	3.8
GP3	06/30/00	0.1	24.6	3.5	0.0
GP3	09/21/00	0.0	0.0	0.0	21.1
GP3	01/05/01	0.1	36.2	2.2	0.0
GP3	05/18/01	-0.1	15.0	3.3	0.4
GP3	08/17/01	0.0	0.0	0.0	20.4
GP3	06/17/02	0.0	34.4	2.9	0.6
GP3	11/04/02	0.0	48.4	2.4	0.2
GP3	05/20/03	0.0	1.4	0.3	19.3
GP3	08/13/03	0.0	12.8	4.4	1.4
GP3	04/14/04	0.0	20.2	0.2	3.8
GP3	07/08/04	0.0	25.5	0.4	3.0
GP3	04/27/05	0.0	0.0	0.0	21.3
GP3	07/06/05	0.0	25.3	3.3	0.1
GP3	04/26/06	0.0	0.0	0.0	20.4
GP3	09/20/06	0.0	0.0	1.4	17.6
GP3	06/13/07	0.0	0.0	0.3	20.8
GP3	09/20/07	0.0	25.0	4.3	3.4
GP3	06/12/08	0.0	12.4	2.1	10.8
GP3	08/26/08	0.0	17.5	1.8	12.5
GP4	11/02/99	0.0	20.8	0.3	0.1
GP4	06/30/00	0.0	0.0	0.1	19.8
GP4	09/21/00	0.1	0.0	0.0	21.1
GP4	01/05/01	0.0	73.5	1.5	4.0
GP4	05/18/01	0.0	0.0	0.1	20.0
GP4	08/17/01	0.0	0.1	2.9	15.8
GP4	06/17/02	0.0	0.0	0.0	20.0
GP4	11/04/02	0.0	0.9	0.4	19.8
GP4	05/20/03	0.0	0.0	0.0	20.7
GP4	08/13/03	0.0	0.0	15.4	2.4
GP4	04/14/04	0.0	0.0	6.1	3.5
GP4	07/08/04	0.0	3.0	2.5	7.4
GP4	04/27/05	0.0	0.0	0.0	21.2
GP4	07/06/05	0.0	64.6	3.9	3.3
GP4	04/26/06	0.1	40.2	2.3	9.3
GP4	09/20/06	0.0	0.7	4.8	9.9
GP4	06/13/07	0.0	63.5	3.0	0.3
GP4	09/20/07	0.0	4.5	6.7	3.7
GP4	06/12/08	0.0	0.0	0.0	20.4
GP4	08/26/08	0.0	9.6	20.7	2.8

**LANDTEC GEM 500
GAS PROBE MONITORING RESULTS
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA**

<i>Probe</i>	<i>Date</i>	<i>LandTec GEM 500 Readings*</i>			
		<i>Pressure (in. H₂O)</i>	<i>%CH₄</i>	<i>%CO₂</i>	<i>%O₂</i>
GP5	11/02/99	0.0	3.6	1.0	19.0
GP5	06/30/00	0.0	36.0	5.4	0.0
GP5	09/21/00	0.0	1.4	0.3	20.5
GP5	01/05/01	0.0	43.8	3.2	0.4
GP5	05/18/01	0.0	17.1	2.1	0.4
GP5	08/17/01	0.0	0.0	1.7	15.1
GP5	06/17/02	0.0	33.8	3.0	2.7
GP5	11/04/02	0.0	11.1	1.5	1.1
GP5	05/20/03	0.0	1.8	0.0	19.3
GP5	08/13/03	0.0	0.0	15.9	1.2
GP5	04/14/04	0.0	28.5	0.2	2.9
GP5	07/08/04	0.0	10.7	1.8	4.8
GP5	04/27/05	0.1	0.0	0.0	21.2
GP5	07/06/05	0.0	28.8	3.6	0.1
GP5	04/26/06	0.0	0.0	0.2	19.9
GP5	09/20/06	0.0	0.0	0.4	20.0
GP5	06/13/07	0.0	0.0	0.1	21.2
GP5	09/20/07	0.0	0.0	0.2	20.9
GP5	06/12/08	0.0	0.0	0.0	20.4
GP5	08/26/08	0.0	0.0	1.0	18.2
GP6	11/02/99	0.0	0.3	0.3	20.8
GP6	06/30/00	0.0	31.2	6.0	0.0
GP6	09/21/00	0.0	0.0	0.0	21.0
GP6	01/05/01	0.0	40.0	5.1	1.5
GP6	05/18/01	0.0	28.2	3.3	0.4
GP6	08/17/01	0.0	0.0	1.8	17.8
GP6	06/17/02	0.0	0.0	2.6	12.0
GP6	11/04/02	0.0	12.0	1.7	0.3
GP6	05/20/03	0.0	0.0	1.3	15.5
GP6	08/13/03	0.0	0.0	17.4	2.3
GP6	04/14/04	0.0	0.1	16.3	1.1
GP6	07/08/04	0.0	16.4	0.3	2.8
GP6	04/27/05	0.0	0.0	0.6	17.2
GP6	07/06/05	0.0	27.5	3.5	0.1
GP6	04/26/06	0.0	0.0	1.7	17.7
GP6	09/20/06	0.0	0.0	4.3	14.5
GP6	06/13/07	0.0	0.1	6.1	14.2
GP6	09/20/07	0.0	0.1	10	3.8
GP6	06/12/08	0.0	16.7	3.0	9.5
GP6	08/26/08	0.0	0.0	5.3	15.6

Notes:

* - Readings captured once stabilized, after at least 60 seconds of purging.