

**CITY OF SARTELL
DEZURIK HAZARDOUS
WASTE LAGOON #3 - MND985668342
SARTELL, MINNESOTA**

**2004 ANNUAL REPORT & STATISTICAL ANALYSIS
GROUND-WATER MONITORING DATA**

Prepared for

City of Sartell/DeZurik Hazardous Waste Lagoon #3

January 28, 2005

**LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Ground-Water and Environmental Services
140 East Hinks Lane, Suite 126
Sioux Falls, South Dakota 57104-5226
(605) 334-6000**

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
BACKGROUND	1
Scope of Work	1
Hydrogeologic Setting	2
GROUND-WATER MONITORING	3
Ground-Water Monitoring Network	3
Ground-Water Elevation and Flow Monitoring	3
Ground-Water Quality Monitoring	4
STATISTICAL ANALYSIS	6
CONCLUSIONS AND RECOMMENDATIONS	7
STANDARD OF CARE	8
FIGURES	
GRAPHS	
TABLES	
APPENDICES	

**LIST OF FIGURES
(At end of report)**

Figure

- 1 Topographic Map
- 2 Ground-water Elevations and Inferred Flow Direction - April 27, 2004
- 3 Ground-water Elevations and Inferred Flow Direction - October 12, 2004

**LIST OF GRAPHS
(At end of report)**

Graph

- 1 Hydrographs of Ground-Water Elevation Data
- 2 Historical Concentrations of Dissolved Barium
- 3 Historical Concentrations of Dissolved Cadmium
- 4 Historical Concentrations of Dissolved Selenium

**LIST OF TABLES
(At end of report)**

Table

- 1 Ground-Water Elevation Data
- 2 2004 Water Quality Data Summary
- 3 Summary of Analytical and Statistical Results for Selected Parameters
- 4 2000 through 2004 Water Quality Data of Exceeded Parameters

**LIST OF APPENDICES
(At end of report)**

Appendix

- I Field Sampling Data Sheets
- II Methodologies
- III Laboratory Analytical Report - October 12/13, 2004

**CITY OF SARTELL
DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA**

**2004 ANNUAL REPORT & STATISTICAL ANALYSIS
GROUND-WATER MONITORING DATA**

INTRODUCTION

Leggette, Brashears and Graham, Inc. (LBG) has completed the ground-water monitoring and statistical analysis for the DeZurik Hazardous Waste Landfill Lagoon No.3 located in Sartell, Minnesota. This report was prepared in accordance with the terms of the landfill permit. Ground-water monitoring was performed during two sampling events in 2004. Sampling consisted of collecting ground water samples from four monitoring wells. The samples were analyzed for total metals, dissolved metals and inorganic parameters.

The goal of the ground-water monitoring was to provide information regarding depth and quality of the ground water. The goal of the statistical analysis was to show with statistical assurance that the hazardous waste lagoon is not adversely impacting the ground water and, if the ground water is impacted, to provide information regarding the nature and location of the impacts.

BACKGROUND

Background information was obtained from the reissued Part B Permit Application approved by the MPCA in September of 1994. The DeZurik Hazardous Lagoon No.3 (site) is located in the SW1/4 of Section 16, Township 125 North, Range 28 West within the city limits of the City of Sartell, Minnesota and is approximately 0.2 acres in size (Figure 1). Sludges were disposed of from various DeZurik operations in the city. The site was closed in 1987 with a multi-layer 6-foot cover system.

Scope of Work

This report presents the sampling results from the April and October 2004 monitoring events. The 2004 ground-water monitoring results were compared to historical data for the site and to state and federal water quality standards.

This annual report incorporates information that was included in the semiannual report presented to the MPCA in July 2004, and also includes the following information:

- A narrative describing the effects that the site is exerting on surrounding ground-water quality and any changes made to or maintenance needed in the monitoring network;
- A description of sampling dates and procedures;
- Results of appropriate statistical procedures;
- Water level monitoring data and potentiometric maps for each sampling event;
- Calculation of ground-water flow velocities;
- Laboratory analytical reports;
- Graphs showing concentration versus time for target parameters historically detected above background levels in ground water; and
- Summary tables showing laboratory analysis and water elevation data for each well sampled to date.

Hydrogeologic Setting

A detailed description of the geology and hydrogeology of the site is provided in the Part B Permit Application. The information below has been summarized from the application.

The general geology of the area in which the site is located consists of unconsolidated glacial deposits (approximately 80 to 100 feet) that overlie Precambrian granitic bedrock. Previous studies indicated there are three geologic/hydrogeologic units underneath the site that affect ground-water movement and flow. The surficial unit consists of silty fine-grained sands that soil borings indicate are approximately 15 feet thick. Outwash deposits are located below the fine sands and consist of silty sands and gravel. The outwash is considered the upper-most aquifer and is present to 70 to 80 feet below ground surface (bgs). The third layer consists of clayey weathered bedrock occurring at approximately 70 to 80 feet bgs which acts as an aquitard restricting the downward flow of ground water into the bedrock.

GROUND-WATER MONITORING

Ground-Water Monitoring Network

The wells that comprise the monitoring network for the site are shown on Figures 2 and 3. Upgradient well P-13 and downgradient wells P-5R, P-9R, and P-12R were sampled in both events in 2004. Monitoring wells from the City of Sartell Landfill were also sampled during the fall event. Ground-water samples were collected by LBG field personnel according to the methods presented in Appendix II. The spring sampling event was performed on April 27, 2004. Samples were collected from wells P-13, P-5R, P-9R, and P-12R and were sent to Minnesota Valley Testing Laboratories (MVTL) in New Ulm, Minnesota. The fall sampling event was performed on October 12/13, 2004. Samples were collected from wells P-13, P-5R, P-9R, P-12R, and from the City of Sartell Landfill wells MW-5, PW-0, P-4, P-5A, P-6, P-7, P-8A, P-8B, P-10, and P-11A and were also sent to MVTL for analysis. Samples from wells P-13, P-5R, P-9R, and P-12R were analyzed for inorganic parameters including dissolved metals. Samples from the City of Sartell Landfill wells were only analyzed for dissolved boron.

Prior to sampling, the general condition of each well was noted on the field sampling data sheets presented in Appendix I. All of the wells were in good condition during both sampling events in 2004.

Ground-Water Elevation and Flow Monitoring

Ground-water elevations were measured in wells P-13, P-5R, P-5A, P-9R, and P-12R on April 27 and October 12, 2004 according to the methods presented in Appendix II. Water level data which includes historical information is summarized in Table 1. Ground-water flow is primarily to the southeast, which is consistent with historical results. Hydrographs of ground-water elevation data are presented on Graph 1. Ground-water potentiometric maps are presented as Figures 2 and 3.

The hydraulic gradient remains consistent for the area. In 1994, for the Part B Permit Application, the average gradient was 0.006 ft/ft. In 1998, the average hydraulic gradient was 0.006 ft/ft. The hydraulic gradients in 2003 were 0.005 ft/ft and 0.007 ft/ft for spring and fall sampling events, respectively. In 2004, the hydraulic gradients were 0.010 ft/ft in the spring and 0.008 ft/ft in the fall. These gradients were calculated with elevations and distances from wells P-13 to P-9R.

The average linear ground-water flow rates can be calculated using the following equation and assumptions:

$$V = K * I / n_e$$

Where:

V = ground-water velocity

K = hydraulic conductivity (assumed 0.39 ft/min)

I = hydraulic gradient (ft/ft)

n_e = effective porosity (assumed 25%)

The calculated linear flow rates based on the above equation and assumptions are 22.46 ft/day for the spring sampling event and 17.97 ft/day for the fall sampling event. The spring velocity is higher than the previous spring velocity of 11.23 ft/day; and the fall velocity is higher than the previous fall velocity of 15.72 ft/day.

Ground-Water Quality Monitoring

Field sampling data sheets for the fall sampling event are presented in Appendix I and the laboratory analytical report is presented in Appendix III. Ground-water quality data for the site was statistically analyzed and compared to various state water quality standards. The pertinent standards are described below.

- Maximum Contaminant Level (MCL) -The MCLs are enforceable standards that apply to public water systems, as established in the National Interim Primary Drinking Water Standards for the United States.
- Secondary Maximum Containment Level (SMCL) -The SMCL applies to public water systems. The standards are established primarily for taste, odor, and aesthetic reasons, not due to adverse health affects.
- Intervention Limits (IL) - The ILs are established for landfills in the State of Minnesota. The ILs apply to ground-water quality at the compliance boundary, generally located 200 feet from the waste boundaries.

- Health Risk Limits (HRLs) -The HRLs are risk-based levels for constituents in ground water. The HRLs are determined by the Minnesota Department of Health and are enforceable under Minnesota Rules 4717.7100 to 4717.7800.

Background concentrations for target contaminants (arsenic, barium, cadmium, lead, and selenium) are established at the upgradient well, P-13. The background data during the spring and fall sampling rounds of 2004 remained consistent with past data (Table 2) except for barium.

Background concentration results for barium increased over historical levels during the 1998 and 1999 sampling events; however, the background barium concentrations have decreased significantly since the 2001 sampling events.

Background concentration results for arsenic, cadmium, lead, and selenium in well P-13 remain below the background detection limit. Selenium was detected in well P-5R during both sampling events and in well P-9R during the fall sampling event; however, the detected concentrations were below the background detection limit. Selenium was also detected in well P-12R in both sampling events; however, concentrations from the fall event exceeded the background detection limit.

Dissolved boron, manganese, nitrate, and total dissolved solids (TDS) levels exceeded federal or state water quality standards in the spring and/or fall in at least one monitoring well, as detailed below. A summary of the exceeded parameters is presented in Table 4.

- Concentrations of dissolved boron have remained above the HRL in well P-5R. Concentrations of dissolved boron also exceed the HRL in the City of Sartell Landfill wells PW-0, P-5A, and P-11A. Detections of dissolved boron were also noted in the City of Sartell Landfill wells P-7 and P-10. Well P-10 is located upgradient from the closed lagoon. Well P-7 is located side-gradient of the closed lagoon. Wells P-5A, P-5R, P-11A, and PW-0 are located downgradient of the closed lagoon.
- Concentrations of dissolved manganese have remained below the SMCL in wells P-5R, P-9R, and P-13. The concentration of dissolved manganese in well P-12R have remained above the SMCL since the spring of 2001.

- Concentrations of nitrates have remained above the IL in all the wells in the spring and fall of 2003; however, the concentrations remain below the MCL and HRL.
- Concentrations of TDS have remained above the SMCL in wells P-5R, P-9R, and P-12R. In well P-13, concentrations in the fall event exceeded the SMCL. This is the first time well P-13 has exceeded the SMCL for TDS.

STATISTICAL ANALYSIS

Statistical analysis was performed on the results of the sampling events to determine if detections in downgradient wells (P-5R, P-9R, P-12R) are above background concentrations in the upgradient well (P-13). The statistical analysis was completed in accordance with the Part B Permit reissued in September 1994. The analysis was performed on dissolved concentrations of arsenic, barium, cadmium, lead and selenium. The results are presented in Table 3.

The tolerance interval was calculated for each of the above analytes based on historical levels in upgradient well P-13. The Poisson Distribution was used to estimate the population mean and variance for arsenic, cadmium, lead and selenium. Since more than two detects occurred for barium, the arithmetic mean and standard deviation were used to calculate the tolerance interval for barium. The decreased background concentrations in 2003 and 2004 for barium lowered the tolerance interval from 163 $\mu\text{g/L}$ to 44 $\mu\text{g/L}$. The assumed tolerance factor of 2.523 is based on a confidence factor of 95 percent with a typical set of background data ($n=16$). The following equation was used to calculate the tolerance:

$$T = U + (k * s) . \text{ Where:}$$

T = Tolerance interval

U = Population mean

k = Tolerance factor

s = Standard deviation

As stated in the correspondence dated September 29, 1998 from DeZurik to the MPCA, even though laboratory detection limits are lower, tolerance levels continue to be calculated assuming the

means are equal to the reporting limits identified in the November 1994 Quality Assurance Project Plan (QAPP), as long as the detects are less than the QAPP reporting limits.

The contaminants of concern were all below or decreased below background concentrations for the 2004 sampling events. No contaminants of concern have exceeded background concentrations since 1990. Graphs of concentration versus time for barium, cadmium, and selenium are presented on Graphs 2, 3 and 4. These parameters are the only contaminants of concern to have exceeded background concentrations in the past.

CONCLUSIONS AND RECOMMENDATIONS

Review of the laboratory analytical results and the results of the statistical analysis indicate that concentrations of contaminants of concern (arsenic, barium, cadmium, lead, and selenium) were below or decreased below background concentrations in wells P-5R and P-9R at the DeZurik Lagoon No.3 in 2004. Concentrations of arsenic, barium, cadmium, and lead in well P-12R were also below background concentrations in 2004. Overall, the monitoring well network is in good condition and correctly placed to monitor potential releases from the site.

In at least one well, an IL, SMCL and/or HRL were exceeded during both the spring and fall sampling events. The SMCL standard of 500 mg/L for TDS was exceeded in P-5R, P-9R, P-12R, and P-13; however, the concentrations remained relatively steady from the 2001 sampling events. This was the first time well P-13 exceeded the SMCL for TDS.

Concentrations of manganese detected in well P-12R exceeded the SMCL, but did not exceed the HRL. Manganese was also detected in well P-9R; however, the concentrations were below the SMCL.

The IL for nitrate was exceeded in P-5R, P-9R, P-12R, and P-13 during the spring and fall sampling events; however, they remain below the HRL and MCL.

The calculated ground-water flow velocities for the spring and fall 2004 sampling events are 22.46 ft/day and 17.97 ft/day, respectively.

Review of the dissolved boron data indicated that the HRL was exceeded in P-5R, PW-0, P-5A, and P-11A. Concentrations of dissolved boron were also detected in wells P-7 and P-10.

Because detections were noted in wells located upgradient, side-gradient, and downgradient of the closed lagoon, the single sampling event is not sufficiently conclusive to determine that a release of dissolved boron from the closed lagoon has or has not occurred. Additional sampling of the surrounding monitoring wells will be needed to make this determination.

Based on the data summarized above, we recommend the continued monitoring at the site with the addition of City of Sartell Wells P-5A, P-6, P-7, P-10, P-11A, and PW-0 to the 2005 monitoring for dissolved boron. We also recommend an updated receptor survey for wells, surface water and other receptors that are present within one mile of the site be completed as soon as possible as requested by the MPCA. We also recommend that the site specific quality assurance project plan (QAPP) be updated and submitted to the MPCA as soon as possible.

STANDARD OF CARE

The recommendations contained in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

If you have any questions about this report, or need additional information, please contact me at (605) 334-6000.

Very truly yours,
LEGETTE, BRASHEARS & GRAHAM, INC.



Melissa Karstens
Environmental Scientist II

Reviewed by:



Tim Kenyon
Principal
Minnesota Professional Geologist #30512

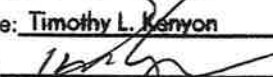
TK:kak

h:\data\wp\landfill\sartell and dezurik\dezurik 2004 annual.wpd

PROFESSIONAL GEOLOGIST

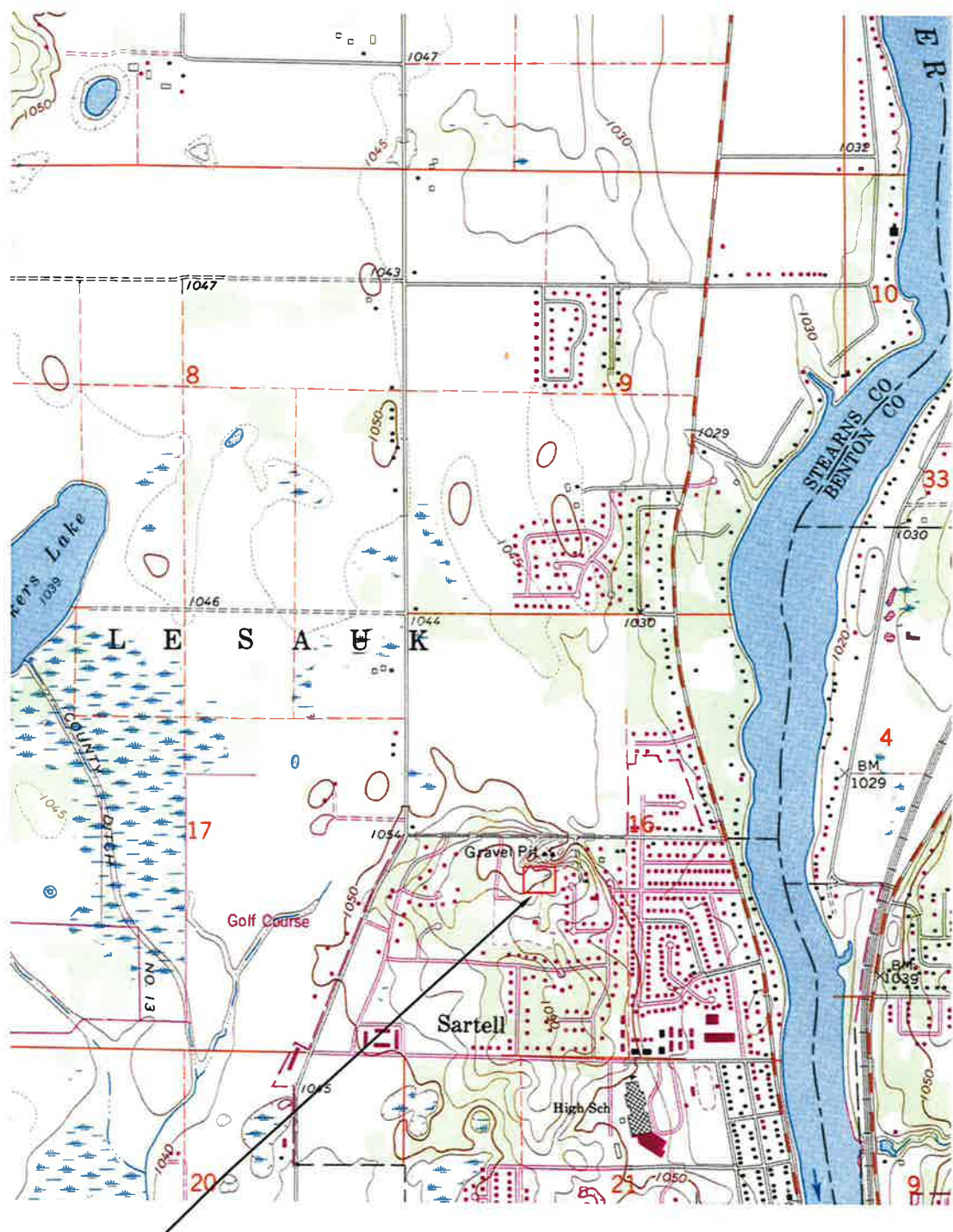
I hereby certify that this plan, document, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Geologist under the laws of the State of Minnesota

Print Name: Timothy L. Kenyon

Signature: 

Date: 1-28-05 License # 30512

FIGURES



APPROXIMATE LOCATION OF SITE



QUADRANGLE LOCATION

Revisions shown in purple and woodland compiled in cooperation with State of Minnesota agencies from aerial photographs taken 1991 and other sources. Contours not revised. This information not field checked. Map edited 1993.



DATE	REVISED

LEGGETTE, BRASHEARS & GRAHAM, INC.
 Professional Ground-Water and Environmental Services
 140 East Hinks Lane, Ste 128
 Sioux Falls, South Dakota 57104
 (605) 334-8000



DEZURIK HAZARDOUS WASTE LAGOON #3
 SARTELL, MINNESOTA

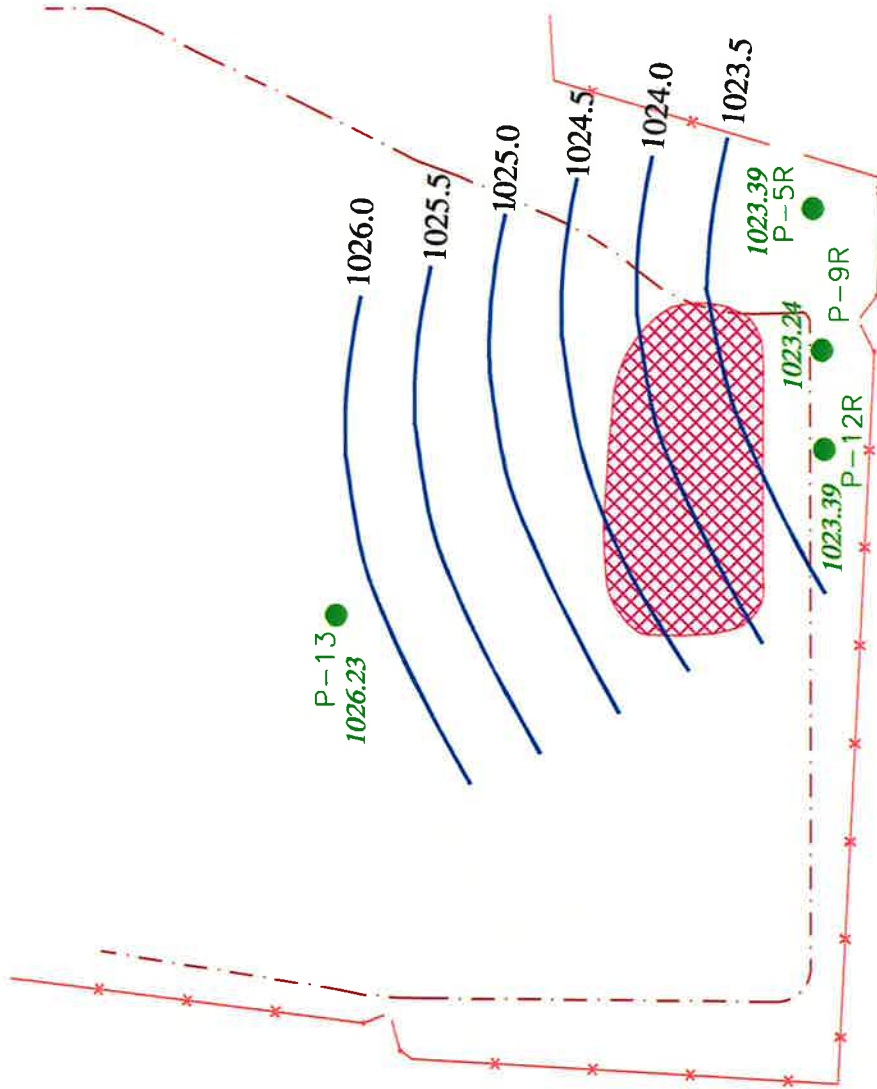
Site Location Map
 Source: USGS 7.5 Minute Series; Little Rock Lake Quad

FILE: Dez-topo.dwg | DATE: January, 2002 | FIGURE: 1



LEGEND

- P-13
1026.23
- x — FENCE
- - - APPROXIMATE LIMIT OF LANDFILL WASTE
- ▨ APPROXIMATE LIMIT OF LAGOON
- WATER TABLE CONTOUR (DASHED WHERE INFERRED)

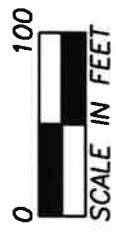
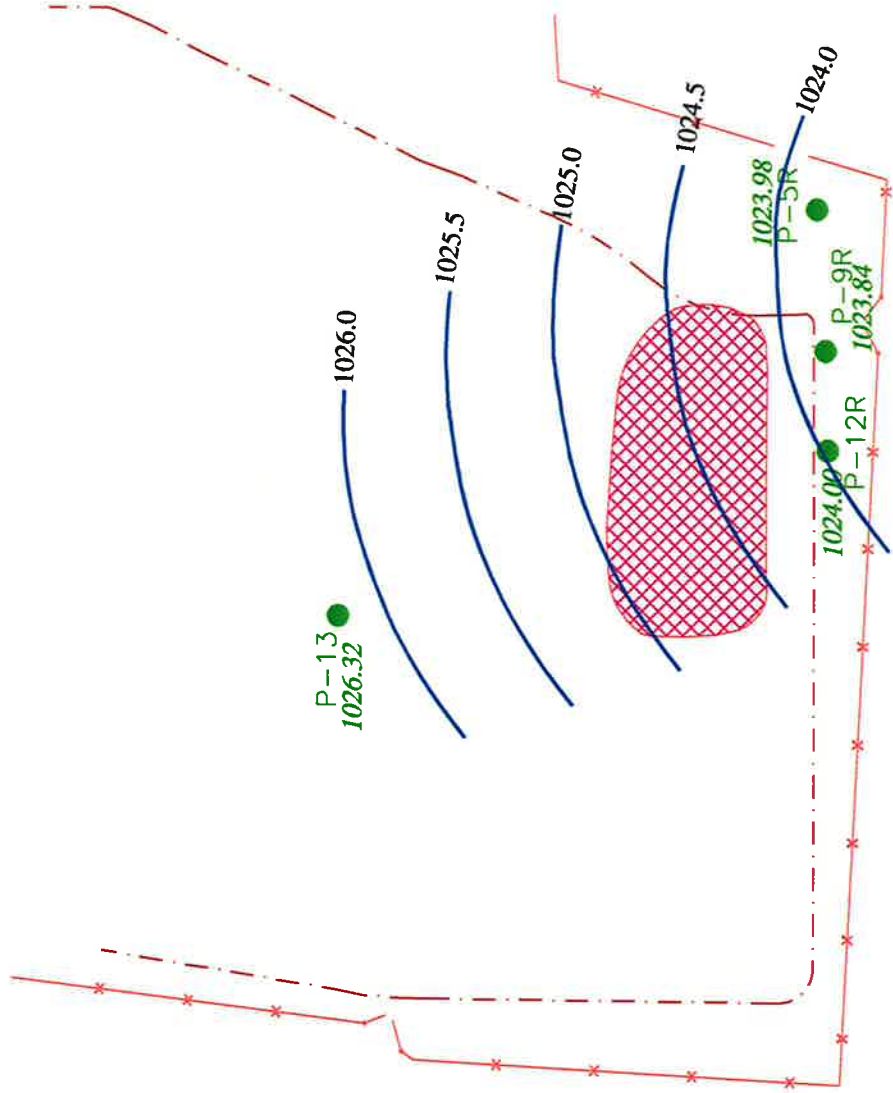


DATE	REVISED	LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water and Environmental Services 140 E. Minks Lane, Suite 126 Sioux Falls, South Dakota 57104 (605) 334-6000	DEZURIK HAZARDOUS WASTE LAGOON #3 SARTELL, MINNESOTA	
				GROUND-WATER ELEVATIONS AND INFERRED FLOW DIRECTION (27 APR 04)
				FILE: dezurik site mop.dwg
				DATE: July 2001
			FIGURE: 2	



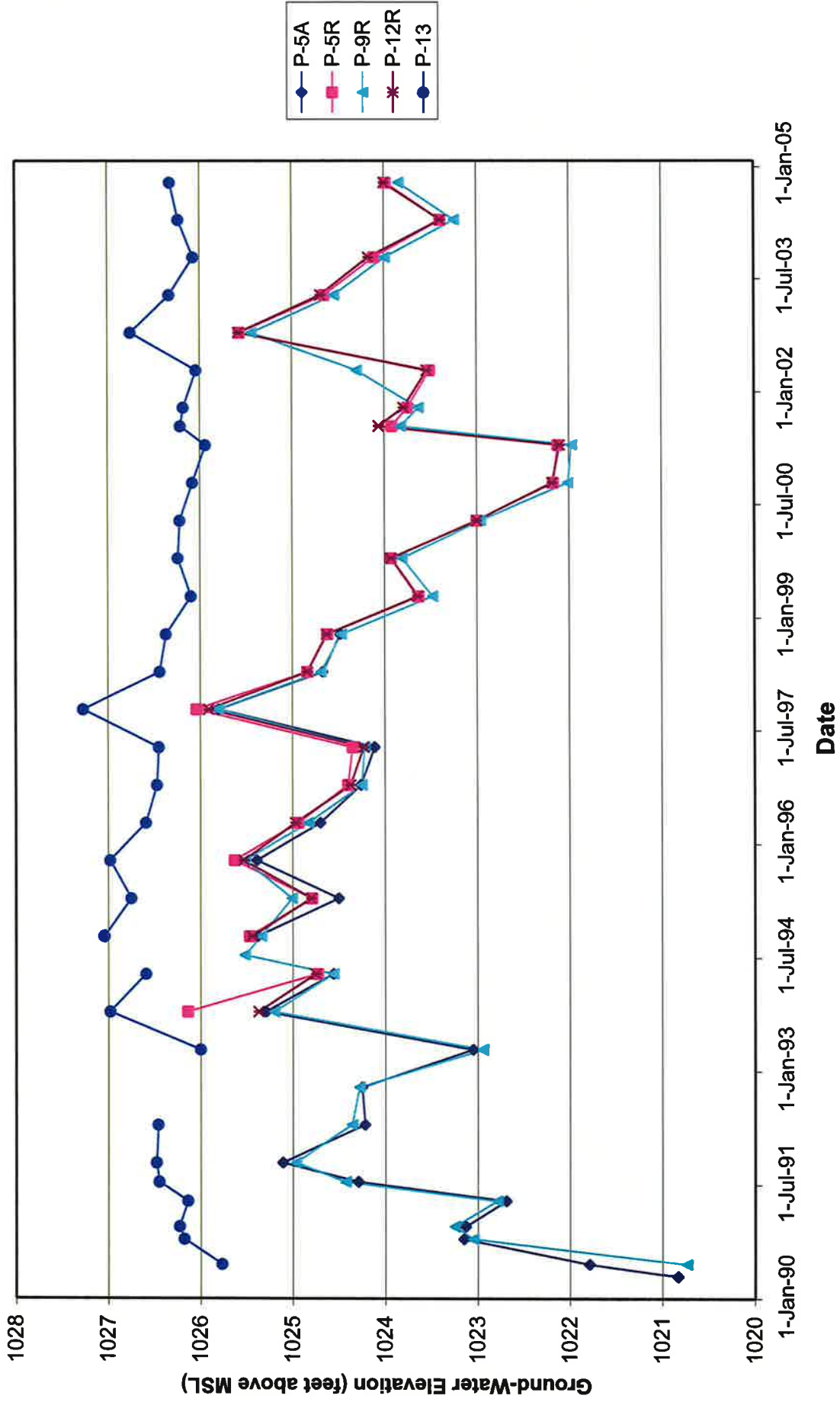
LEGEND

- P-13
1026.32
- *—*— FENCE
- - - - - APPROXIMATE LIMIT OF LANDFILL WASTE
- ▨ APPROXIMATE LIMIT OF LAGOON
- WATER TABLE CONTOUR (DASHED WHERE INFERRED)

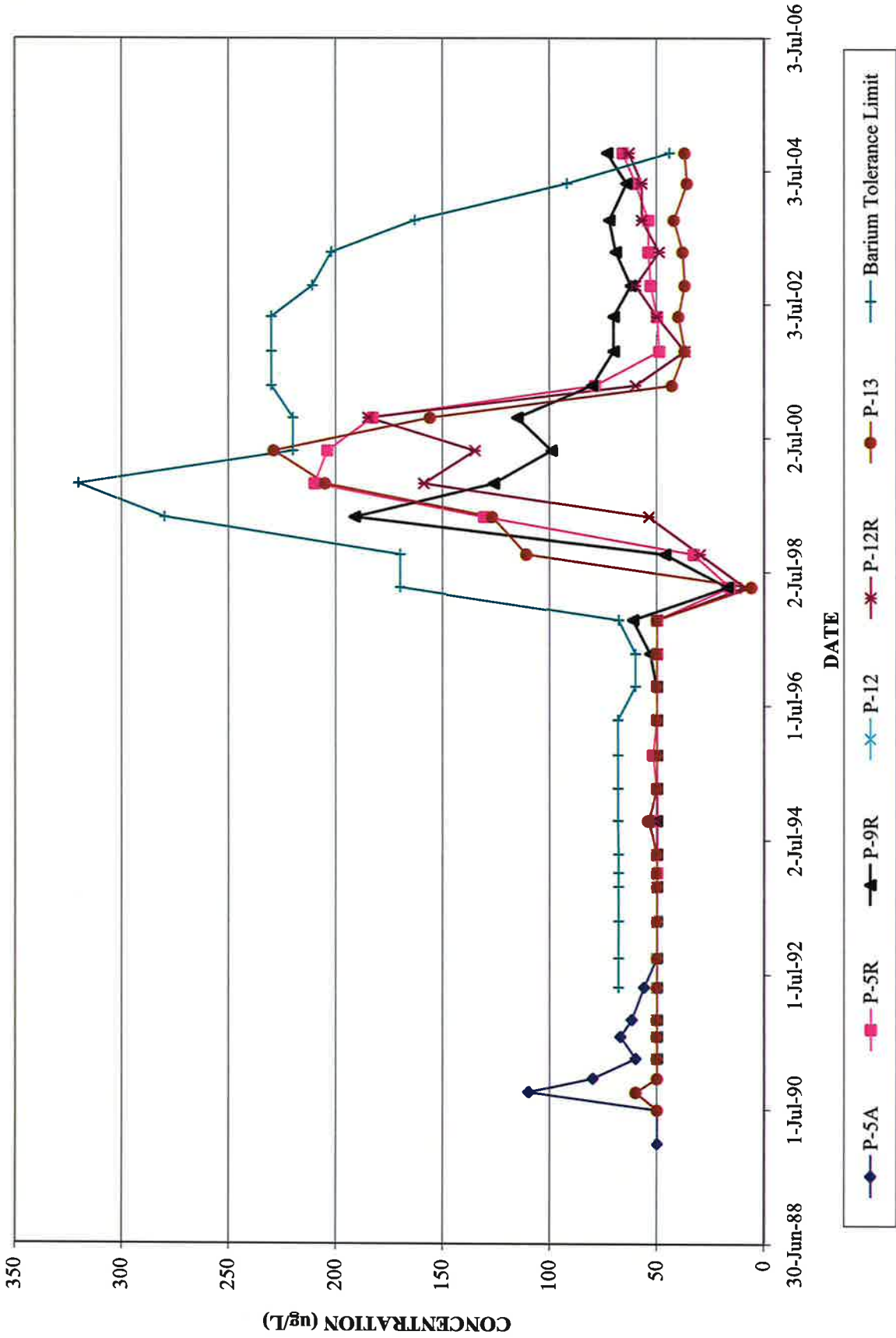


DATE	REVISED	LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water and Environmental Services 140 E. Minko Lane, Suite 126 Sioux Falls, South Dakota 57104 (605) 334-6000	DEZURIK HAZARDOUS WASTE LAGOON #3 SARTELL, MINNESOTA
GROUND-WATER ELEVATIONS AND INFERRED FLOW DIRECTION (12 OCT 04)		FILE: dezurik site mop.dwg	DATE: July 2001
			FIGURE: 3

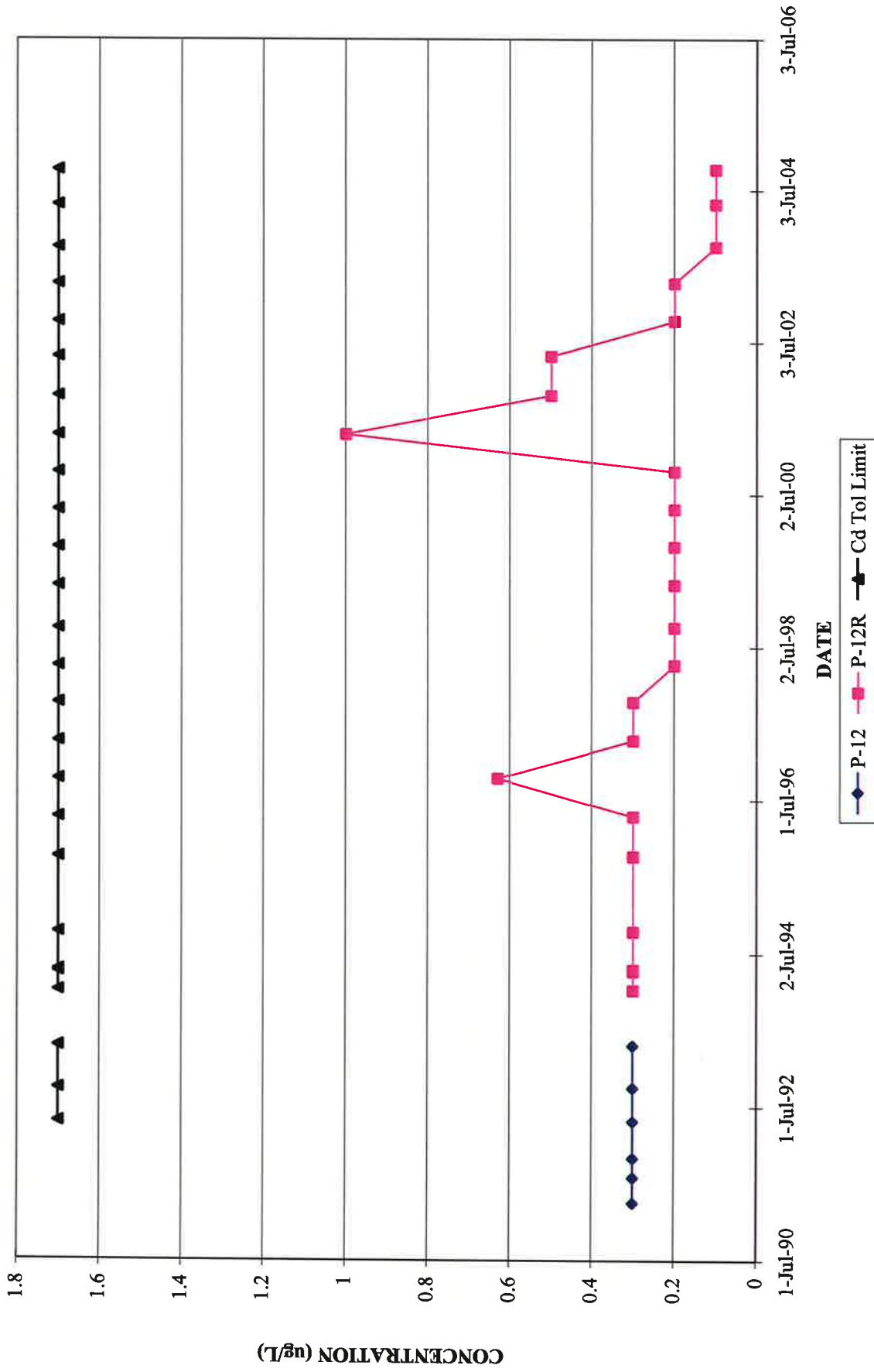
Graph 1
DeZurik Ground-Water Elevation Data



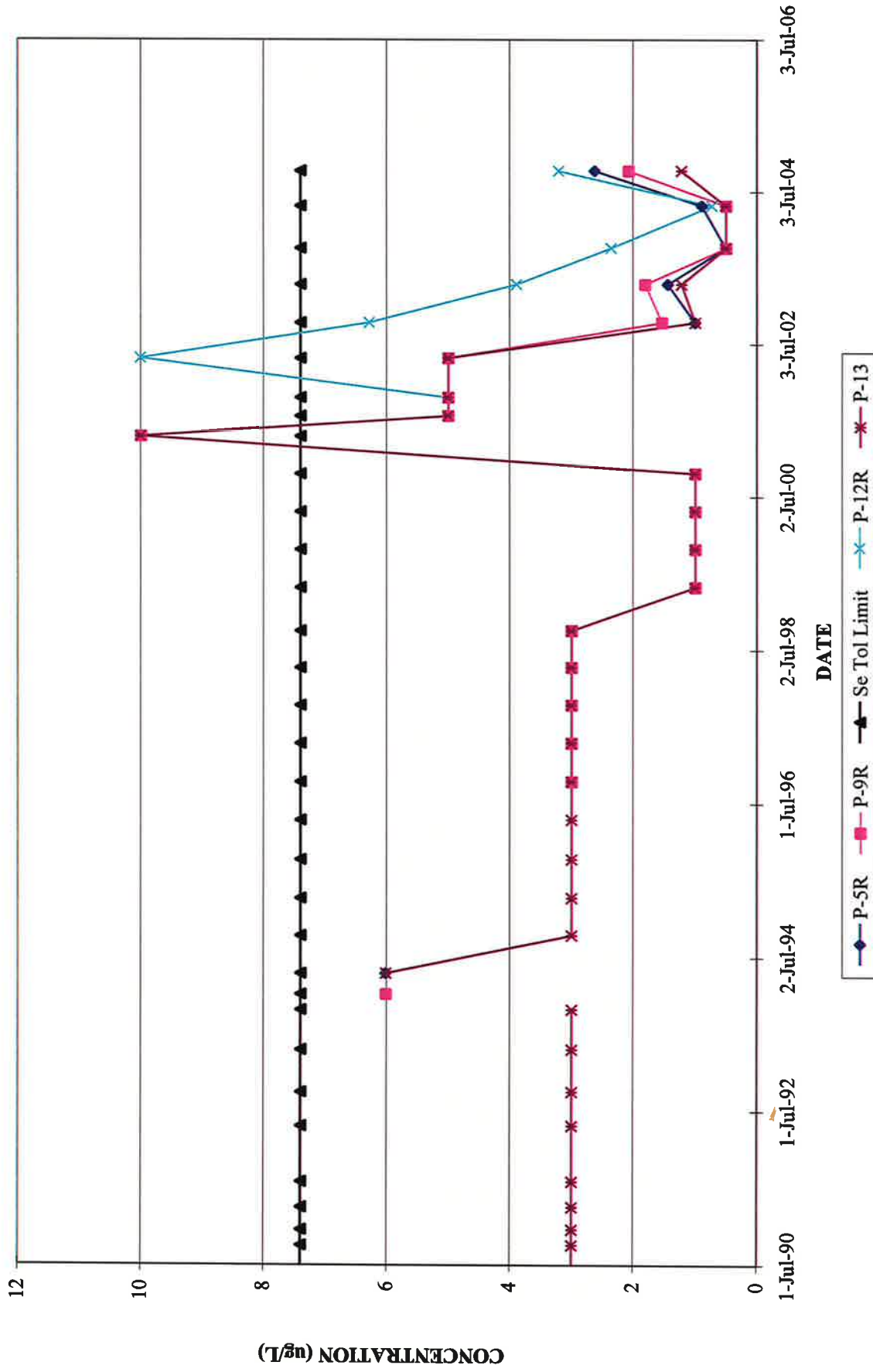
Graph 2
Historical Concentrations of Dissolved Barium



Graph 3
Historical Concentrations of Dissolved Cadmium



Graph 4
Historical Concentrations of Dissolved Selenium



TABLES

TABLE 1
Water Elevations
DeZurik Hazardous Waste Lagoon #3

DATE	P-5A	P-5R	P-9R	P-12R	P-13
Elevation		1099.04	1102.09	1101.33	1105.12
4/4/1990	1020.83				
6/26/1990	1021.79		1020.74		1025.77
10/2/1990	1023.15		1023.05		1026.18
12/18/1990	1023.13		1023.25		1026.23
4/4/1991	1022.69		1022.79		1026.14
7/31/1991	1024.29		1024.43		1026.45
10/31/1991	1025.11		1024.97		1026.48
4/23/1992	1024.22		1024.36		1026.46
10/21/1992	1024.25		1024.28		
4/20/1993	1023.05		1022.94		1026
10/27/1993	1025.29	1026.14	1025.2	1025.37	1026.98
4/20/1994	1024.56	1024.73	1024.56	1024.75	1026.59
7/11/1994			1025.52		
10/17/1994	1025.38	1025.47	1025.34	1025.44	1027.04
4/11/1995	1024.50	1024.79	1025.01	1024.80	1026.75
10/9/1995	1025.39	1025.63	1025.52	1025.53	1026.98
4/17/1996	1024.70	1024.94	1024.83	1024.97	1026.59
10/15/1996	1024.26	1024.40	1024.25	1024.37	1026.47
4/15/1997	1024.11	1024.35	1024.22	1024.23	1026.45
10/14/1997	1025.8	1026.04	1025.81	1025.91	1027.27
4/13/1998	1024.67	1024.84	1024.69	1024.84	1026.44
10/6/1998	1024.48	1024.62	1024.47	1024.63	1026.37
4/27/1999		1023.63	1023.48	1023.64	1026.1
10/27/1999		1023.93	1023.81	1023.93	1026.24
4/25/2000		1023.00	1022.96	1023.00	1026.22
10/23/2000		1022.17	1022.01	1022.18	1026.08
4/18/2001		1022.12	1021.97	1022.10	1025.94
7/26/2001		1023.92	1023.82	1024.06	1026.21
10/23/2001		1023.75	1023.63	1023.79	1026.18
4/29/2002		1023.51	1024.30	1023.54	1026.04
10/16/2002		1025.57	1025.44	1025.58	1026.75
4/15/2003		1024.65	1024.54	1024.69	1026.33
10/7/2003		1024.11	1023.99	1024.17	1026.07
4/27/2004		1023.39	1023.24	1023.39	1026.23
10/12/2004		1023.98	1023.84	1024.00	1026.32

blank = not measured

TABLE 2

DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA

2004 Water Quality Data Summary

Analyte	Units	MCL (mg/L)	SMCL (mg/L)	IL (mg/L)	HRL (mg/L)	P-5R 27-Apr-04	P-5R 12-Oct-04	P-9R 27-Apr-04	P-9R 12-Oct-04	P-12R 27-Apr-04	P-12R 12-Oct-04	P-13 27-Apr-04	P-13 12-Oct-04
Total Organic Carbon	mg/L					1.4	2.6	2.4	3	3.4	2.8	0.8	1.9
Chloride	mg/L		250			41.5	45.5	34.5	34.8	45.3	46.7	24.9	26.8
Conductivity	umhos/cm					1212	1329	921	1057	997	1044	705	742
Chemical Oxygen Demand	mg/L					23	25	6	17	34	43	19	19
pH	su		6.5-8.5			7.20	7.20	7.30	6.80	7.40	7.40	7.30	7.30
Total Phenols	mg/L					<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium	mg/L					36.6	33.2	10.3	10.9	13.6	22.2	4.87	4.86
Total Dissolved Solids	mg/L		500			1030	986	582	705	632	740	456	534
Sulfate	mg/L		250			224	252	85.9	117	131	127	37.9	36.5
Total Cyanide	mg/L	0.2			0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoride	mg/L	4			10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrate as N	mg/L			2.5		5.24	5.08	5.21	4.98	5.12	5.55	5.19	5.71
Nitrite	mg/L					0.024	0.024		<0.02	0.036	0.036		<0.02
Dissolved Arsenic	mg/L	0.01		0.0125		<0.0005	0.00077	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00052
Dissolved Barium	mg/L	2		0.375	2	0.06	0.066	0.064	0.073	0.057	0.063	0.036	0.037
Dissolved Boron	mg/L				0.6	1.49	1.54	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Cadmium	mg/L	0.005		0.0125	0.004	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dissolved Calcium	mg/L					170	183	134	150	145	143	110	110
Dissolved Chromium	mg/L	0.1		0.03	0.02	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Dissolved Iron	mg/L	0.3				<0.01	<0.01	<0.01	<0.01	<0.01	0.058	<0.01	<0.01
Dissolved Lead	mg/L	0.015		0.005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Magnesium	mg/L					50	53.2	38.3	43.3	38.3	38.2	27.6	26.7
Dissolved Manganese	mg/L		0.05		0.1	<0.003	<0.005	0.036	0.031	0.016	0.064	<0.003	<0.005
Dissolved Selenium	mg/L	0.05		0.011	0.03	0.00089	0.00262	<0.0005	0.00208	0.00072	0.0032	<0.0005	0.00122
Dissolved Zinc	mg/L		5		2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Blank = not analyzed
Detections are in **BOLD**

TABLE 2

DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA

2004 Water Quality Data Summary

Analyte	Units	MCL (mg/L)	SMCL (mg/L)	IL (mg/L)	HRL (mg/L)	Duplicate P-13	Duplicate P-13	MW-5	PW-0	P-4	P-5A	P-6	P-7	P-8A
Total Organic Carbon	mg/L													
Chloride	mg/L		250			1.8	25.4							
Conductivity	umhos/cm					706	741							
Chemical Oxygen Demand	mg/L					19	25							
pH	su		6.5-8.5			7.30	8.40							
Total Phenols	mg/L					<0.005	<0.005							
Sodium	mg/L					4.73	4.87							
Total Dissolved Solids	mg/L		500			428	514							
Sulfate	mg/L		250			33.1	33.6							
Total Cyanide	mg/L	0.2			0.1	<0.02	<0.02							
Fluoride	mg/L	4	2			<0.1	<0.1							
Nitrate as N	mg/L			2.5	10	5.17	5.4							
Nitrite	mg/L					<0.02	<0.02							
Dissolved Arsenic	mg/L	0.01		0.0125		<0.0005	0.0005							
Dissolved Barium	mg/L	2		0.375	2	0.035	0.037							
Dissolved Boron	mg/L				0.6	<0.1	<0.1	<0.1	0.95	<0.1	1.1	<0.1	0.24	<0.1
Dissolved Cadmium	mg/L	0.005		0.0125	0.004	<0.0001	<0.0001							
Dissolved Calcium	mg/L					105	110							
Dissolved Chromium	mg/L	0.1		0.03	0.02	<0.006	<0.006							
Dissolved Iron	mg/L		0.3			<0.01	<0.01							
Dissolved Lead	mg/L	0.015		0.005		<0.0005	<0.0005							
Dissolved Magnesium	mg/L					26	26.5							
Dissolved Manganese	mg/L		0.05		0.1	<0.003	<0.005							
Dissolved Selenium	mg/L	0.05		0.011	0.03	<0.0005	0.00127							
Dissolved Zinc	mg/L		5		2	<0.01	<0.01							

Blank = not analyzed
Detections are in **BOLD**

TABLE 2

DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA

2004 Water Quality Data Summary

Analyte	Units	MCL (mg/L)	SMCL (mg/L)	IL (mg/L)	HRL (mg/L)	P-8B 13-Oct-04	P-10 13-Oct-04	P-11A 12-Oct-04
Total Organic Carbon	mg/L							
Chloride	mg/L		250					
Conductivity	umhos/cm							
Chemical Oxygen Demand	mg/L							
pH	su		6.5-8.5					
Total Phenols	mg/L							
Sodium	mg/L							
Total Dissolved Solids	mg/L		500					
Sulfate	mg/L		250					
Total Cyanide	mg/L	0.2			0.1			
Fluoride	mg/L	4	2					
Nitrate as N	mg/L			2.5	10			
Nitrite	mg/L							
Dissolved Arsenic	mg/L	0.01		0.0125				
Dissolved Barium	mg/L	2		0.375	2			
Dissolved Boron	mg/L				0.6	<0.1	0.13	6.85
Dissolved Cadmium	mg/L	0.005		0.0125	0.004			
Dissolved Calcium	mg/L							
Dissolved Chromium	mg/L	0.1		0.03	0.02			
Dissolved Iron	mg/L		0.3					
Dissolved Lead	mg/L	0.015		0.005				
Dissolved Magnesium	mg/L							
Dissolved Manganese	mg/L		0.05		0.1			
Dissolved Selenium	mg/L	0.05		0.011	0.03			
Dissolved Zinc	mg/L		5		2			

Blank = not analyzed
 Detections are in **BOLD**

TABLE 3
Summary of Analytical and Statistical Analysis Results
DeZurik Hazardous Waste Lagoon No. 3
(units = µg/L, dissolved)

WELL NUMBER	DATE	ARSENIC	BARIUM	CADMIUM	LEAD	SELENIUM
P-5A	12/27/1989	ND	50	ND	ND	ND
P-5A	6/28/1990	ND	ND	0.5	5	ND
P-5A	10/4/1990	ND	110	ND	ND	ND
P-5A	12/18/1990	ND	80	ND	ND	ND
P-5A	4/4/1991	ND	60	0.4	ND	ND
P-5A	8/1/1991	ND	67	ND	ND	ND
P-5A-1	10/31/1991	ND	63	0.32	ND	ND
P-5A-2	10/31/1991	ND	60	0.43	ND	ND
P-5A-3	10/31/1991	ND	62	0.38	ND	ND
P-5A-4	10/31/1991	ND	62	0.55	ND	ND
P-5A	4/23/1992	ND	56	ND	ND	ND
P-5A	9/30/1992	ND	ND	ND	ND	ND
P-5A	4/20/1993	ND	ND	ND	ND	ND
P-5R	10/27/1993	ND	78	1.4	ND	ND
P-5R	1/10/1994	--	ND	--	--	--
P-5R	4/20/1994	ND	ND	ND	ND	<6.02
P-5R	10/17/1994	ND	ND	ND	ND	ND
P-5R	4/11/1995	ND	ND	ND	ND	ND
P-5R	10/11/1995	ND	52	ND	ND	ND
P-5R	4/17/1996	ND	ND	ND	ND	ND
P-5R	10/16/1996	< 3.0	ND	0.36	< 3.0	< 3.0
P-5R	4/17/1997	< 3.0	50	< 0.30	< 3.0	< 3.0
P-5R	10/16/1997	<3.0	ND	<0.30	<3.0	<3.0
P-5R	4/13/1998	<2	16	<0.2	<1	<3
P-5R	10/6/1998	<2	33	<0.2	<1	<3
P-5R	4/27/1999	<2	131	<0.2	<1	<1
P-5R	10/27/1999	<2	210*	<0.2	<1	<1
P-5R	4/24/2000	<2	204	<0.2	<1	<1
P-5R	10/23/2000	<2	183	<0.2	<1	<1
P-5R	4/18/2001	<10	79	<1	<10	10
P-5R Resample	7/26/2001	<5	66	<0.5	<2	<5
P-5R Resample Dup	7/26/2001	<5	71	<0.5	<2	<5
P-5R	10/23/2001	<5	49	<0.5	<2	<5
P-5R	4/29/2002	7	50	<0.5	<2	5
P-5R	10/16/2002	<1	53	<2	<0.5	<1
P-5R	4/15/2003	<1	54	<0.2	<0.5	1.44
P-5R	10/7/2003	<5	54	<0.1	<0.5	<0.5
P-5R	4/27/2004	<0.5	60	<0.1	<0.5	0.89
P-5R	10/12/2004	0.77	66	<0.1	<0.5	2.62
P-9R	4/4/1991	ND	ND	ND	ND	ND
P-9R	8/1/1991	ND	ND	ND	ND	ND
P-9R-1	10/31/1991	ND	ND	ND	ND	ND
P-9R-2	10/31/1991	ND	ND	ND	ND	ND
P-9R-3	10/31/1991	ND	ND	0.3	ND	ND
P-9R-4	10/31/1991	ND	ND	ND	ND	ND
P-9R	4/23/1992	ND	ND	0.19	ND	ND
P-9R	9/30/1992	ND	ND	ND	ND	ND
P-9R	4/20/1993	ND	ND	ND	ND	ND
P-9R	10/27/1993	ND	ND	0.7	ND	ND

TABLE 3
Summary of Analytical and Statistical Analysis Results
DeZurik Hazardous Waste Lagoon No. 3
(units = µg/L, dissolved)

WELL NUMBER	DATE	ARSENIC	BARIUM	CADMIUM	LEAD	SELENIUM
P-9R	4/20/1994	ND	ND	ND	ND	<6.02
P-9R	10/17/1994	ND	ND	ND	ND	ND
P-9R	4/11/1995	ND	ND	ND	ND	ND
P-9R	10/10/1995	ND	ND	ND	ND	ND
P-9R	4/17/1996	ND	ND	ND	ND	ND
P-9R	10/16/1996	< 3.0	ND	< 0.30	< 3.0	< 3.0
P-9R	4/16/1997	< 3.0	53	< 0.30	< 3.0	< 3.0
P-9R	10/15/1997	<3.0	61	1.4	<3.0	<3.0
P-9R	4/10/1998	<2	17	0.7	2	<3
P-9R	10/6/1998	<2	46	<0.2	<1	<3
P-9R	4/27/1999	<2	191	<0.2	1.4	<1
P-9R	10/27/1999	<2	126*	0.35	<1	<1
P-9R	4/25/2000	<2	99	0.26	<1	<1
P-9R	10/23/2000	<2	115	<0.2	<1	<1
P-9R	4/18/2001	<10	80	<1	<10	10
P-9R Resample	7/25/2001	<5	79	<0.5	<2	<5
P-9R	10/23/2001	<5	70	<0.5	<2	<5
P-9R	4/29/2002	10	70	<0.5	<2	<5
P-9R	10/16/2002	<1	62	<0.2	<0.5	1.54
P-9R	4/15/2003	<1	69	<0.2	<0.5	1.81
P-9R	10/7/2003	<0.5	72	<0.1	<0.5	<0.5
P-9R	4/27/2004	<0.5	64	<0.1	<0.5	<0.5
P-9R	10/12/2004	<0.5	73	0.1	<0.5	2.08
P-12	4/4/1991	ND	ND	ND	ND	ND
P-12	8/1/1991	ND	ND	0.32	ND	ND
P-12-1	10/31/1991	ND	ND	0.31	ND	ND
P-12-2	10/31/1991	ND	ND	0.33	ND	ND
P-12-3	10/31/1991	ND	ND	ND	ND	ND
P-12-4	10/31/1991	ND	ND	ND	ND	ND
P-12	4/23/1992	ND	ND	ND	ND	ND
P-12	9/30/1992	ND	ND	ND	ND	ND
P-12	4/20/1993	ND	ND	ND	ND	ND
P-12R	10/27/1993	ND	ND	13	ND	ND
P-12R	1/10/1994	--	--	ND	--	--
P-12R	4/20/1994	ND	ND	ND	ND	<6.02
P-12R	10/17/1994	ND	ND	ND	ND	ND
P-12R	4/11/1995	ND	ND	ND	ND	ND
P-12R	10/10/1995	ND	ND	ND	5.2	ND
P-12R	4/17/1996	ND	ND	ND	ND	ND
P-12R	10/16/1996	< 3.0	ND	0.63	< 3.0	< 3.0
P-12R	4/17/1997	< 3.0	ND	< 0.30	< 3.0	< 3.0
P-12R	10/16/1997	<3.0	ND	<0.30	<3.0	<3.0
P-12R	4/13/1998	<2	9	<0.2	<1	<3
P-12R	10/6/1998	<2	30	<0.2	<1	<3
P-12R	4/27/1999	<2	54	<0.2	<1	<1
P-12R	10/27/1999	<2	159*	<0.2	<1	<1
P-12R	4/25/2000	<2	135	<0.2	1.1	<1
P-12R	10/24/2000	<2	185	<0.2	<1	<1
P-12R	4/18/2001	<10	60	<1	<10	<10
P-12R Resample	7/26/2001	<5	64	<0.5	<2	<5

TABLE 3
Summary of Analytical and Statistical Analysis Results
DeZurik Hazardous Waste Lagoon No. 3
(units = µg/L, dissolved)

WELL NUMBER	DATE	ARSENIC	BARIUM	CADMIUM	LEAD	SELENIUM
P-12R	10/23/2001	<5	37	<0.5	<2	<5
P-12R	4/29/2002	9	50	<0.5	<2	10
P-12R	10/16/2002	<1	60	<0.2	<0.5	6.28
P-12R	4/15/2003	<1	49	<0.2	<0.5	3.88
P-12R	10/7/2003	<0.5	57	<0.1	<0.5	2.35
P-12R	4/27/2004	<0.5	57	<0.1	<0.5	0.72
P-12R	10/12/2004	<0.5	63	<0.1	<0.5	3.2
P-13	6/28/1990	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	6/28/1990	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	6/28/1990	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	6/28/1990	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	10/4/1990	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	10/4/1990	< 3.0	60	< 0.3	< 3.0	< 3.0
P-13B	10/4/1990	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	10/4/1990	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	12/18/1990	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	12/18/1990	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	12/18/1990	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13D	12/18/1990	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	4/4/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	8/1/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-1	10/31/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-2	10/31/1991	< 3.0	< 50	0.88	< 3.0	< 3.0
P-13-3	10/31/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-4	10/31/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-1	4/23/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-2	4/23/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-3	4/23/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-4	4/23/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	9/30/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-1	10/8-9/92	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-2	10/8-9/92	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-3	10/8-9/92	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	4/20/1993	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	4/20/1993	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	4/20/1993	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13D	4/20/1993	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	10/29/1993	< 3.0	< 50	3.3*	< 3.0	< 3.0
P-13B	10/29/1993	< 3.0	< 50	5.5*	< 3.0	< 3.0
P-13C	10/29/1993	< 3.0	< 50	3.9*	< 3.0	< 3.0
P-13D	10/29/1993	< 3.0	< 50	17*	< 3.0	< 3.0
P-13	4/20/1994	< 3.0	< 50	< 0.3	< 3.0	< 6.02
P-13A	4/20/1994	< 3.0	< 50	< 0.3	< 3.0	< 6.02
P-13B	4/20/1994	< 3.0	< 50	0.31	< 3.0	< 6.02
P-13C	4/20/1994	< 3.0	< 50	< 0.3	< 3.0	< 6.02
P-13	10/17/1994	< 3.0	54	< 0.3	< 3.0	< 3.0
P-13A	10/18/1994	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	10/18/1994	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	10/18/1994	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	4/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	4/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	4/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0

TABLE 2
DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA

2004 Water Quality Data Summary

Analyte	Units	MCL (mg/L)	SMCL (mg/L)	IL (mg/L)	HRL (mg/L)	P-5R	P-9R	P-12R	P-13	Duplicate P-13
Total Organic Carbon	mg/L					27-Apr-04	27-Apr-04	27-Apr-04	27-Apr-04	27-Apr-04
Chloride	mg/L		250			1.4	2.4	3.4	0.8	1.8
Conductivity	umhos/cm					41.5	34.5	45.3	24.9	25.4
Chemical Oxygen Demand	mg/L					1212	921	997	705	706
pH	su		6.5-8.5			23	6	34	19	19
Total Phenols	mg/L					7.20	7.30	7.40	7.30	7.30
Sodium	mg/L					<0.005	<0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	mg/L		500			36.6	10.3	13.6	4.87	4.73
Sulfate	mg/L		250			1030	582	632	456	428
Total Cyanide	mg/L	0.2			0.1	224	85.9	131	37.9	33.1
Fluoride	mg/L	4	2			<0.02	<0.02	<0.02	<0.02	<0.02
Nitrate as N	mg/L			2.5	10	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Arsenic	mg/L	0.01		0.0125		5.24	5.21	5.12	5.19	5.17
Dissolved Barium	mg/L	2		0.375	2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Boron	mg/L				0.6	0.06	0.064	0.057	0.036	0.035
Dissolved Cadmium	mg/L	0.005		0.0125	0.004	1.49	<0.1	<0.1	<0.1	<0.1
Dissolved Calcium	mg/L					<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dissolved Chromium	mg/L	0.1		0.03	0.02	170	134	145	110	105
Dissolved Iron	mg/L		0.3			<0.006	<0.006	<0.006	<0.006	<0.006
Dissolved Lead	mg/L	0.015		0.005		<0.01	<0.01	<0.01	<0.01	<0.01
Dissolved Magnesium	mg/L					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Manganese	mg/L		0.05		0.1	50	38.3	38.3	27.6	26
Dissolved Selenium	mg/L	0.05		0.011	0.03	<0.003	0.036	0.016	<0.003	<0.003
Dissolved Zinc	mg/L		5		2	0.00089	<0.0005	0.00072	<0.0005	<0.0005

Blank = not analyzed
Detections are in **BOLD**

TABLE 2

**DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA**

2004 Water Quality Data Summary

Analyte	Units	MCL (mg/L)	SMCL (mg/L)	IL (mg/L)	HRL (mg/L)	P-5R	P-9R	P-12R	P-13	Duplicate P-13
Total Organic Carbon	mg/L					27-Apr-04	27-Apr-04	27-Apr-04	27-Apr-04	27-Apr-04
Chloride	mg/L		250			1.4	2.4	3.4	0.8	1.8
Conductivity	umhos/cm					41.5	34.5	45.3	24.9	25.4
Chemical Oxygen Demand	mg/L					1212	921	997	705	706
pH	su		6.5-8.5			23	6	34	19	19
Total Phenols	mg/L					7.20	7.30	7.40	7.30	7.30
Sodium	mg/L					<0.005	<0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	mg/L		500			36.6	10.3	13.6	4.87	4.73
Sulfate	mg/L		250			1030	582	632	456	428
Total Cyanide	mg/L	0.2			0.1	224	85.9	131	37.9	33.1
Fluoride	mg/L	4	2			<0.02	<0.02	<0.02	<0.02	<0.02
Nitrate as N	mg/L			2.5	10	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Arsenic	mg/L	0.01		0.0125		5.24	5.21	5.12	5.19	5.17
Dissolved Barium	mg/L	2		0.375	2	<0.005	<0.005	<0.005	<0.005	<0.005
Dissolved Boron	mg/L				0.6	0.06	0.064	0.057	0.036	0.035
Dissolved Cadmium	mg/L	0.005		0.0125	0.004	1.49	<0.1	<0.1	<0.1	<0.1
Dissolved Calcium	mg/L					<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dissolved Chromium	mg/L	0.1		0.03	0.02	170	134	145	110	105
Dissolved Iron	mg/L		0.3			<0.006	<0.006	<0.006	<0.006	<0.006
Dissolved Lead	mg/L	0.015		0.005		<0.01	<0.01	<0.01	<0.01	<0.01
Dissolved Magnesium	mg/L					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Manganese	mg/L		0.05		0.1	50	38.3	38.3	27.6	26
Dissolved Selenium	mg/L	0.05		0.011	0.03	<0.003	0.036	0.016	<0.003	<0.003
Dissolved Zinc	mg/L		5		2	0.00089	<0.0005	0.00072	<0.0005	<0.0005
						<0.01	<0.01	<0.01	<0.01	<0.01

Blank = not analyzed
 Detections are in **BOLD**

TABLE 2
DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA

2004 Water Quality Data Summary

Analyte	Units	MCL (mg/L)	SMCL (mg/L)	IL (mg/L)	HRL (mg/L)	P-5R	P-9R	P-12R	P-13	Duplicate P-13
Total Organic Carbon	mg/L					27-Apr-04	27-Apr-04	27-Apr-04	27-Apr-04	27-Apr-04
Chloride	mg/L		250			1.4	2.4	3.4	0.8	1.8
Conductivity	umhos/cm					41.5	34.5	45.3	24.9	25.4
Chemical Oxygen Demand	mg/L					1212	921	997	705	706
pH	su		6.5-8.5			23	6	34	19	19
Total Phenols	mg/L					7.20	7.30	7.40	7.30	7.30
Sodium	mg/L					<0.005	<0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	mg/L		500			36.6	10.3	13.6	4.87	4.73
Sulfate	mg/L		250			1030	582	632	456	428
Total Cyanide	mg/L	0.2			0.1	224	85.9	131	37.9	33.1
Fluoride	mg/L	4	2			<0.02	<0.02	<0.02	<0.02	<0.02
Nitrate as N	mg/L			2.5	10	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Arsenic	mg/L	0.01		0.0125		5.24	5.21	5.12	5.19	5.17
Dissolved Barium	mg/L	2		0.375	2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Boron	mg/L				0.6	0.06	0.064	0.057	0.036	0.035
Dissolved Cadmium	mg/L	0.005			0.004	1.49	<0.1	<0.1	<0.1	<0.1
Dissolved Calcium	mg/L			0.0125		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dissolved Chromium	mg/L	0.1		0.03	0.02	170	134	145	110	105
Dissolved Iron	mg/L		0.3			<0.006	<0.006	<0.006	<0.006	<0.006
Dissolved Lead	mg/L	0.015		0.005		<0.01	<0.01	<0.01	<0.01	<0.01
Dissolved Magnesium	mg/L					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Manganese	mg/L		0.05		0.1	50	38.3	38.3	27.6	26
Dissolved Selenium	mg/L	0.05		0.011	0.03	<0.003	0.036	0.016	<0.003	<0.003
Dissolved Zinc	mg/L		5		2	0.00089	<0.0005	0.00072	<0.0005	<0.0005
						<0.01	<0.01	<0.01	<0.01	<0.01

Blank = not analyzed
Detections are in **BOLD**

TABLE 2
DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA

2004 Water Quality Data Summary

Analyte	Units	MCL (mg/L)	SMCL (mg/L)	IL (mg/L)	HRL (mg/L)	P-5R	P-9R	P-12R	P-13	Duplicate P-13
Total Organic Carbon	mg/L					27-Apr-04	27-Apr-04	27-Apr-04	27-Apr-04	27-Apr-04
Chloride	mg/L		250			1.4	2.4	3.4	0.8	1.8
Conductivity	umhos/cm					41.5	34.5	45.3	24.9	25.4
Chemical Oxygen Demand	mg/L					1212	921	997	705	706
pH	su		6.5-8.5			23	6	34	19	19
Total Phenols	mg/L					7.20	7.30	7.40	7.30	7.30
Sodium	mg/L					<0.005	<0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	mg/L		500			36.6	10.3	13.6	4.87	4.73
Sulfate	mg/L		250			1030	582	632	456	428
Total Cyanide	mg/L	0.2			0.1	224	85.9	131	37.9	33.1
Fluoride	mg/L	4	2			<0.02	<0.02	<0.02	<0.02	<0.02
Nitrate as N	mg/L			2.5	10	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Arsenic	mg/L	0.01		0.0125		5.24	5.21	5.12	5.19	5.17
Dissolved Barium	mg/L	2		0.375	2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Boron	mg/L				0.6	0.06	0.064	0.057	0.036	0.035
Dissolved Cadmium	mg/L	0.005		0.0125	0.004	1.49	<0.1	<0.1	<0.1	<0.1
Dissolved Calcium	mg/L					<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dissolved Chromium	mg/L	0.1		0.03	0.02	170	134	145	110	105
Dissolved Iron	mg/L		0.3			<0.006	<0.006	<0.006	<0.006	<0.006
Dissolved Lead	mg/L	0.015		0.005		<0.01	<0.01	<0.01	<0.01	<0.01
Dissolved Magnesium	mg/L					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Manganese	mg/L		0.05		0.1	50	38.3	38.3	27.6	26
Dissolved Selenium	mg/L	0.05		0.011	0.03	<0.003	0.036	0.016	<0.003	<0.003
Dissolved Zinc	mg/L		5		2	0.00089	<0.0005	0.00072	<0.0005	<0.0005

Blank = not analyzed
 Detections are in **BOLD**

TABLE 2

**DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA**

2004 Water Quality Data Summary

Analyte	Units	MCL (mg/L)	SMCL (mg/L)	IL (mg/L)	HRL (mg/L)	P-5R	P-9R	P-12R	P-13	Duplicate P-13
Total Organic Carbon	mg/L					27-Apr-04	27-Apr-04	27-Apr-04	27-Apr-04	27-Apr-04
Chloride	mg/L		250			1.4	2.4	3.4	0.8	1.8
Conductivity	umhos/cm					41.5	34.5	45.3	24.9	25.4
Chemical Oxygen Demand	mg/L					1212	921	997	705	706
pH	su		6.5-8.5			23	6	34	19	19
Total Phenols	mg/L					7.20	7.30	7.40	7.30	7.30
Sodium	mg/L					<0.005	<0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	mg/L		500			36.6	10.3	13.6	4.87	4.73
Sulfate	mg/L		250			1030	582	632	456	428
Total Cyanide	mg/L	0.2			0.1	224	85.9	131	37.9	33.1
Fluoride	mg/L	4	2			<0.02	<0.02	<0.02	<0.02	<0.02
Nitrate as N	mg/L			2.5	10	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Arsenic	mg/L	0.01		0.0125		5.24	5.21	5.12	5.19	5.17
Dissolved Barium	mg/L	2		0.375	2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Boron	mg/L				0.6	0.06	0.064	0.057	0.036	0.035
Dissolved Cadmium	mg/L	0.005		0.0125	0.004	1.49	<0.1	<0.1	<0.1	<0.1
Dissolved Calcium	mg/L					<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dissolved Chromium	mg/L	0.1		0.03	0.02	170	134	145	110	105
Dissolved Iron	mg/L		0.3			<0.006	<0.006	<0.006	<0.006	<0.006
Dissolved Lead	mg/L	0.015		0.005		<0.01	<0.01	<0.01	<0.01	<0.01
Dissolved Magnesium	mg/L					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Manganese	mg/L		0.05		0.1	50	38.3	38.3	27.6	26
Dissolved Selenium	mg/L	0.05		0.011	0.03	<0.003	0.036	0.016	<0.003	<0.003
Dissolved Zinc	mg/L		5		2	0.00089	<0.0005	0.00072	<0.0005	<0.0005

Blank = not analyzed
 Detections are in **BOLD**

TABLE 1
Water Elevations
DeZurik Hazardous Waste Lagoon #3

DATE	P-5A	P-5R	P-9R	P-12	P-12R	P-13
Elevation	1099.04	1102.09	1101.33	1105.12		
4/4/1990	1020.83					
6/26/1990	1021.79	1020.74	1021.81			1025.77
10/2/1990	1023.15	1023.05	1023.31			1026.18
12/18/1990	1023.13	1023.25	1023.41			1026.23
4/4/1991	1022.69	1022.79	1022.95			1026.14
7/31/1991	1024.29	1024.43	1024.5			1026.45
10/31/1991	1025.11	1024.97	1025.07			1026.48
4/23/1992	1024.22	1024.36	1024.34			1026.46
10/21/1992	1024.25	1024.28				
4/20/1993	1025.29	1026.14	1025.2	1023.11		1026
10/27/1993	1024.56	1024.73	1024.56	1024.75		1026.59
7/11/1994			1025.52			
10/17/1994	1025.38	1025.47	1025.34	1025.44		1027.04
4/11/1995	1024.50	1024.79	1025.01	1024.80		1026.75
10/9/1995	1025.39	1025.63	1025.52	1025.53		1026.98
4/17/1996	1024.70	1024.94	1024.83	1024.97		1026.59
10/15/1996	1024.26	1024.40	1024.25	1024.37		1026.47
4/15/1997	1024.11	1024.35	1024.22	1024.23		1026.45
10/14/1997	1025.8	1026.04	1025.81	1025.91		1027.27
4/13/1998	1024.67	1024.84	1024.69	1024.84		1026.44
10/6/1998	1024.48	1024.62	1024.47	1024.63		1026.37
4/27/1999		1023.63	1023.48	1023.64		1026.1
10/27/1999		1023.93	1023.81	1023.93		1026.24
4/25/2000		1023.00	1022.96	1023.00		1026.22
10/23/2000		1022.17	1022.01	1022.18		1026.08
4/18/2001		1022.12	1021.97	1022.10		1025.94
7/26/2001		1023.92	1023.82	1024.06		1026.21
10/23/2001		1023.75	1023.63	1023.79		1026.18
4/29/2002		1023.51	1024.30	1023.54		1026.04
10/16/2002		1025.57	1025.44	1025.58		1026.75
4/15/2003		1024.65	1024.54	1024.69		1026.33
10/7/2003		1024.11	1023.99	1024.17		1026.07
4/27/2004		1023.39	1023.24	1023.39		1026.23

blank = not measured

TABLE 2

**DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA**

2004 Water Quality Data Summary

Analyte	Units	MCL (mg/L)	SMCL (mg/L)	IL (mg/L)	URL (mg/L)	P-5R	P-9R	P-12R	P-13	Duplicate P-13
Total Organic Carbon	mg/L					1.4	2.4	3.4	0.8	1.8
Chloride	mg/L		250			41.5	34.5	45.3	24.9	25.4
Conductivity	umhos/cm					1212	921	997	705	706
Chemical Oxygen Demand	mg/L					23	6	34	19	19
pH	su		6.5-8.5			7.20	7.30	7.40	7.30	7.30
Total Phenols	mg/L					<0.005	<0.005	<0.005	<0.005	<0.005
Sodium	mg/L					36.6	10.3	13.6	4.87	4.73
Total Dissolved Solids	mg/L		500			1030	582	632	456	428
Sulfate	mg/L		250			224	85.9	131	37.9	33.1
Total Cyanide	mg/L	0.2			0.1	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoride	mg/L	4	2			<0.1	<0.1	<0.1	<0.1	<0.1
Nitrate as N	mg/L			2.5	10	5.24	5.21	5.12	5.19	5.17
Dissolved Arsenic	mg/L	0.01		0.0125		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Barium	mg/L	2		0.375	2	0.06	0.064	0.057	0.036	0.035
Dissolved Boron	mg/L				0.6	1.49	<0.1	<0.1	<0.1	<0.1
Dissolved Cadmium	mg/L	0.005		0.0125	0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dissolved Calcium	mg/L					170	134	145	110	105
Dissolved Chromium	mg/L	0.1		0.03	0.02	<0.006	<0.006	<0.006	<0.006	<0.006
Dissolved Iron	mg/L		0.3			<0.01	<0.01	<0.01	<0.01	<0.01
Dissolved Lead	mg/L	0.015		0.005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Magnesium	mg/L					50	38.3	38.3	27.6	26
Dissolved Manganese	mg/L		0.05		0.1	<0.003	0.036	0.016	<0.003	<0.003
Dissolved Selenium	mg/L	0.05		0.011	0.03	0.00089	<0.0005	0.00072	<0.0005	<0.0005
Dissolved Zinc	mg/L		5		2	<0.01	<0.01	<0.01	<0.01	<0.01

Blank = not analyzed
Detections are in **BOLD**

TABLE 3
Summary of Analytical and Statistical Analysis Results
DeZurik Hazardous Waste Lagoon No. 3
 (units = µg/L, dissolved)

WELL NUMBER	DATE	ARSENIC	BARIUM	CADMIUM	LEAD	SELENIUM
P-5A	12/27/1989	ND	50	ND	ND	ND
P-5A	6/28/1990	ND	ND	0.5	5	ND
P-5A	10/4/1990	ND	110	ND	ND	ND
P-5A	12/18/1990	ND	80	ND	ND	ND
P-5A	4/4/1991	ND	60	0.4	ND	ND
P-5A	8/1/1991	ND	67	ND	ND	ND
P-5A-1	10/31/1991	ND	63	0.32	ND	ND
P-5A-2	10/31/1991	ND	60	0.43	ND	ND
P-5A-3	10/31/1991	ND	62	0.38	ND	ND
P-5A-4	10/31/1991	ND	62	0.55	ND	ND
P-5A	4/23/1992	ND	56	ND	ND	ND
P-5A	9/30/1992	ND	ND	ND	ND	ND
P-5A	4/20/1993	ND	ND	ND	ND	ND
P-5R	10/27/1993	ND	78	1.4	ND	ND
P-5R	1/10/1994	--	ND	--	--	--
P-5R	4/20/1994	ND	ND	ND	ND	<6.02
P-5R	10/17/1994	ND	ND	ND	ND	ND
P-5R	4/11/1995	ND	ND	ND	ND	ND
P-5R	10/11/1995	ND	52	ND	ND	ND
P-5R	4/17/1996	ND	ND	0.36	< 3.0	ND
P-5R	10/16/1996	< 3.0	ND	< 0.30	< 3.0	< 3.0
P-5R	4/17/1997	< 3.0	50	< 0.30	< 3.0	< 3.0
P-5R	10/16/1997	< 3.0	ND	< 0.30	< 3.0	< 3.0
P-5R	4/13/1998	< 2	16	< 0.2	< 1	< 3
P-5R	10/6/1998	< 2	33	< 0.2	< 1	< 3
P-5R	4/27/1999	< 2	131	< 0.2	< 1	< 1
P-5R	10/27/1999	< 2	210*	< 0.2	< 1	< 1
P-5R	4/24/2000	< 2	204	< 0.2	< 1	< 1
P-5R	10/23/2000	< 2	183	< 0.2	< 1	< 1
P-5R	4/18/2001	< 10	79	< 1	< 10	10
P-5R Resample	7/26/2001	< 5	66	< 0.5	< 2	< 5
P-5R Resample Dup	7/26/2001	< 5	71	< 0.5	< 2	< 5
P-5R	10/23/2001	< 5	49	< 0.5	< 2	< 5
P-5R	4/29/2002	7	50	< 0.5	< 2	5
P-5R	10/16/2002	< 1	53	< 2	< 0.5	< 1
P-5R	4/15/2003	< 1	54	< 0.2	< 0.5	1.44
P-5R	10/7/2003	< 5	54	< 0.1	< 0.5	< 0.5
P-5R	4/27/2004	< 0.5	60	< 0.1	< 0.5	0.89
P-9R	4/4/1991	ND	ND	ND	ND	ND
P-9R	8/1/1991	ND	ND	ND	ND	ND
P-9R-1	10/31/1991	ND	ND	ND	ND	ND
P-9R-2	10/31/1991	ND	ND	ND	ND	ND
P-9R-3	10/31/1991	ND	ND	0.3	ND	ND
P-9R-4	10/31/1991	ND	ND	ND	ND	ND
P-9R	4/23/1992	ND	ND	0.19	ND	ND
P-9R	9/30/1992	ND	ND	ND	ND	ND
P-9R	4/20/1993	ND	ND	ND	ND	ND
P-9R	10/27/1993	ND	ND	0.7	ND	ND
P-9R	4/20/1994	ND	ND	ND	ND	<6.02
P-9R	10/17/1994	ND	ND	ND	ND	ND
P-9R	4/11/1995	ND	ND	ND	ND	ND
P-9R	10/10/1995	ND	ND	ND	ND	ND
P-9R	4/17/1996	ND	ND	ND	ND	ND
P-9R	10/16/1996	< 3.0	ND	< 0.30	< 3.0	< 3.0
P-9R	4/16/1997	< 3.0	53	< 0.30	< 3.0	< 3.0
P-9R	10/15/1997	< 3.0	61	1.4	< 3.0	< 3.0
P-9R	4/10/1998	< 2	17	0.7	2	< 3
P-9R	10/6/1998	< 2	46	< 0.2	< 1	< 3
P-9R	4/27/1999	< 2	191	< 0.2	1.4	< 1

TABLE 3
 Summary of Analytical and Statistical Analysis Results
 DeZurik Hazardous Waste Lagoon No. 3
 (units = µg/L, dissolved)

WELL NUMBER	DATE	ARSENIC	BARIUM	CADMIUM	LEAD	SELENIUM
P-9R	10/27/1999	<2	126*	0.35	<1	<1
P-9R	4/25/2000	<2	99	0.26	<1	<1
P-9R	10/23/2000	<2	115	<0.2	<1	<1
P-9R	4/18/2001	<10	80	<1	<10	10
P-9R Resample	7/25/2001	<5	79	<0.5	<2	<5
P-9R	10/23/2001	<5	70	<0.5	<2	<5
P-9R	4/29/2002	10	70	<0.5	<2	<5
P-9R	10/16/2002	<1	62	<0.2	<0.5	1.54
P-9R	4/15/2003	<1	69	<0.2	<0.5	1.81
P-9R	10/7/2003	<0.5	72	<0.1	<0.5	<0.5
P-9R	4/27/2004	<0.5	64	<0.1	<0.5	<0.5
P-12	4/4/1991	ND	ND	ND	ND	ND
P-12	8/1/1991	ND	ND	0.32	ND	ND
P-12-1	10/31/1991	ND	ND	0.31	ND	ND
P-12-2	10/31/1991	ND	ND	0.33	ND	ND
P-12-3	10/31/1991	ND	ND	ND	ND	ND
P-12-4	10/31/1991	ND	ND	ND	ND	ND
P-12	4/23/1992	ND	ND	ND	ND	ND
P-12	9/30/1992	ND	ND	ND	ND	ND
P-12R	4/20/1993	ND	ND	ND	ND	ND
P-12R	10/27/1993	ND	ND	13	ND	ND
P-12R	1/10/1994	--	--	ND	--	--
P-12R	4/20/1994	ND	ND	ND	ND	<6.02
P-12R	10/17/1994	ND	ND	ND	ND	ND
P-12R	4/11/1995	ND	ND	ND	ND	ND
P-12R	10/10/1995	ND	ND	ND	5.2	ND
P-12R	4/17/1996	ND	ND	ND	ND	ND
P-12R	10/16/1996	<3.0	ND	0.63	<3.0	<3.0
P-12R	4/17/1997	<3.0	ND	<0.30	<3.0	<3.0
P-12R	10/16/1997	<3.0	ND	<0.30	<3.0	<3.0
P-12R	4/13/1998	<2	9	<0.2	<1	<3
P-12R	10/6/1998	<2	30	<0.2	<1	<3
P-12R	4/27/1999	<2	54	<0.2	<1	<1
P-12R	10/27/1999	<2	159*	<0.2	<1	<1
P-12R	4/25/2000	<2	135	<0.2	1.1	<1
P-12R	10/24/2000	<2	185	<0.2	<1	<1
P-12R	4/18/2001	<10	60	<1	<10	<10
P-12R Resample	7/26/2001	<5	64	<0.5	<2	<5
P-12R	10/23/2001	<5	37	<0.5	<2	<5
P-12R	4/29/2002	9	50	<0.5	<2	10
P-12R	10/16/2002	<1	60	<0.2	<0.5	6.28
P-12R	4/15/2003	<1	49	<0.2	<0.5	3.88
P-12R	10/7/2003	<0.5	57	<0.1	<0.5	2.35
P-12R	4/27/2004	<0.5	57	<0.1	<0.5	0.72
P-13	6/28/1990	<3.0	<50	<0.3	<3.0	<3.0
P-13A	6/28/1990	<3.0	<50	<0.3	<3.0	<3.0
P-13B	6/28/1990	<3.0	<50	<0.3	<3.0	<3.0
P-13C	6/28/1990	<3.0	<50	<0.3	<3.0	<3.0
P-13	10/4/1990	<3.0	<50	<0.3	<3.0	<3.0
P-13A	10/4/1990	<3.0	<50	<0.3	<3.0	<3.0
P-13B	10/4/1990	<3.0	<50	<0.3	<3.0	<3.0
P-13C	10/4/1990	<3.0	<50	<0.3	<3.0	<3.0
P-13A	12/18/1990	<3.0	<50	<0.3	<3.0	<3.0
P-13B	12/18/1990	<3.0	<50	<0.3	<3.0	<3.0
P-13C	12/18/1990	<3.0	<50	<0.3	<3.0	<3.0
P-13D	12/18/1990	<3.0	<50	<0.3	<3.0	<3.0
P-13	4/4/1991	<3.0	<50	<0.3	<3.0	<3.0

WELL NUMBER	DATE	ARSENIC	BARIUM	CADMIUM	LEAD	SELENIUM
P-13	8/1/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-1	10/31/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-2	10/31/1991	< 3.0	< 50	0.88	< 3.0	< 3.0
P-13-3	10/31/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-4	10/31/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-1	4/23/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-2	4/23/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-3	4/23/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-4	4/23/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	9/30/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-1	10/8-9/92	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-2	10/8-9/92	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-3	10/8-9/92	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	4/20/1993	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	4/20/1993	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	4/20/1993	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13D	4/20/1993	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	10/29/1993	< 3.0	< 50	3.3*	< 3.0	< 3.0
P-13B	10/29/1993	< 3.0	< 50	5.5*	< 3.0	< 3.0
P-13C	10/29/1993	< 3.0	< 50	3.9*	< 3.0	< 3.0
P-13D	10/29/1993	< 3.0	< 50	17*	< 3.0	< 3.0
P-13A	4/20/1994	< 3.0	< 50	< 0.3	< 3.0	< 6.02
P-13B	4/20/1994	< 3.0	< 50	0.31	< 3.0	< 6.02
P-13C	4/20/1994	< 3.0	< 50	< 0.3	< 3.0	< 6.02
P-13	10/17/1994	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	10/18/1994	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	10/18/1994	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	10/18/1994	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	4/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	4/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	4/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	4/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	10/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	10/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	10/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	4/17/1996	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	4/17/1996	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	4/17/1996	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	4/17/1996	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	10/16/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13A	10/16/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13B	10/16/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13C	10/16/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13	10/15/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13A	10/16/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13B	10/16/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13C	10/16/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13A	4/9/1998	< 2	< 6	< 0.2	< 1	< 3
P-13B	4/10/1998	< 2	< 6	< 0.2	< 1	< 3
P-13C	4/10/1998	2.2	< 6	< 0.2	< 1	< 3
P-13D	4/13/1998	< 2	< 6	< 0.2	< 1	< 3
P-13A	10/5/1998	< 2	27	< 0.2	< 1	< 3
P-13B	10/5/1998	< 2	101	< 0.2	< 1	< 3
P-13C	10/6/1998	< 2	180	< 0.2	< 1	< 3
P-13D	10/6/1998	< 2	135	< 0.2	< 1	< 3

TABLE 3
 Summary of Analytical and Statistical Analysis Results
 Dezurik Hazardous Waste Lagoon No. 3
 (units = µg/L, dissolved)

TABLE 3
Summary of Analytical and Statistical Analysis Results
Dezurik Hazardous Waste Lagoon No. 3
 (units = µg/L, dissolved)

WELL NUMBER	DATE	ARSENIC	BARIUM	CADMIUM	LEAD	SELENIUM
P-13A	4/26/1999	<2	66	<0.2	<1	<1
P-13B	4/26/1999	<2	178	<0.2	<1	<1
P-13C	4/27/1999	<2	114	<0.2	<1	<1
P-13D	4/27/1999	<2	151	<0.2	<1	<1
P-13A	10/26/1999	<2	95*	<0.2	<1	<1
P-13B	10/27/1999	<2	300*	<0.2	<1	<1
P-13C	10/27/1999	<2	196*	<0.2	<1	<1
P-13D	10/27/1999	<2	229*	<0.2	<1	<1
P-13A	4/24/2000	<2	156	<0.2	<1	<1
P-13A	10/23/2000	<2	115	<0.2	<1	<1
P-13	4/18/2001	<10	43	<1	<10	<10
P-13 Dup	4/18/2001	<10	43	<1	<10	<10
P-13 Resample	7/26/2001	<5	42	<0.5	<2	<5
P-13	10/23/2001	<5	38	<0.5	<2	<5
P-13 Dup	10/23/2001	<5	37	<0.5	<2	<5
P-13	4/29/2002	10	40	<0.5	<2	<5
P-13 Dup	4/29/2002	10	40	<0.5	<2	<5
P-13	10/16/2002	<1	37	<0.2	<0.5	<1
P-13 Dup	10/16/2002	<1	36	<0.2	<0.5	<1
P-13	4/15/2003	<1	38	<0.2	<0.5	1.22
P-13 Dup	4/15/2003	<1	37	<0.2	<0.5	1.23
P-13	10/7/2003	<0.5	42	<0.1	<0.5	<0.5
P-13 Dup	10/7/2003	<0.5	40	<0.1	<0.5	<0.5
P-13	4/27/2004	<0.5	36	<0.1	<0.5	<0.5
P-13 Dup	4/27/2004	<0.5	35	<0.1	<0.5	<0.5

Regulatory Limits:

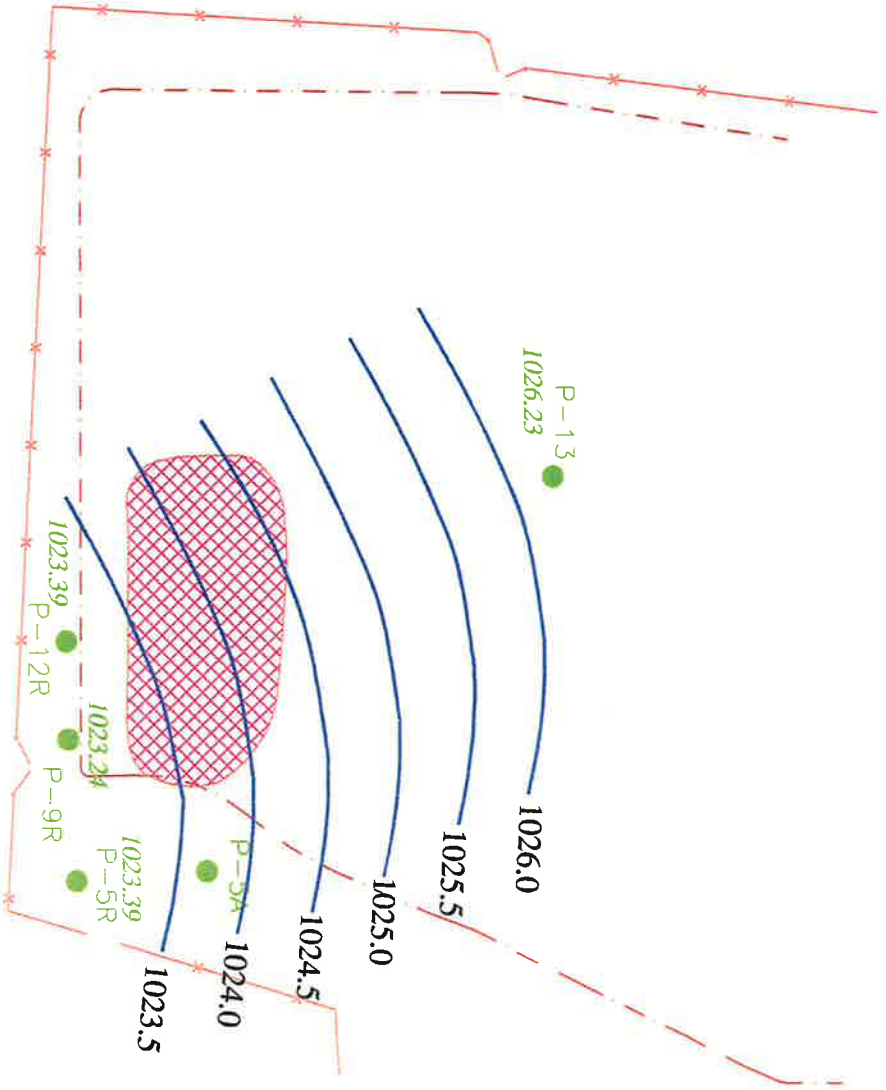
MCL:	SMCL:	HRL:	IL:
50	N/A	N/A	12.5
2000	N/A	2000	375
5	N/A	4	1.25
15	N/A	N/A	5
50	N/A	30	11

Background Detection Limit**
 Background Mean#
 Background Standard Deviation#
 K_{0.95}
 Tolerance level##**

3	3	0.3	50	1.732	2.523	7.4
3	3	0.3	44	51.676	2.523	170
3	3	0.3	0.548	1.732	2.523	1.7
3	3	0.3	1.732	2.523	2.523	7.4
3	3	0.3	1.732	2.523	2.523	7.4

ND Not detected.
 -- Not measured.
 # The Poisson Distribution method was used for calculating the mean and standard deviation for background constituents with two or less reported results above the detection limit. For background constituents with three or more results above the detection limit, the arithmetic mean and standard deviation is calculated.
 * Data collected is considered suspect.
 ** In 1998, new analytical equipment allowed the laboratory to obtain lower detection limits than that obtained in previous sampling years. These detection limits are lower than those required in the August 1994 Part B Permit Application for evaluating compliance of wells. Where the reported detection limit is lower than the required detection limit, the required detection limit is used for calculating the tolerance level to maintain continuity in evaluating compliance.
 Note: Sample results in bold type exceed MCL and/or HRL.

Note: The sample size for background is kept at 16 based on page 15 of August 1994 Part B Permit Application. Use the last 4 quarters of background data.



LEGEND

-  P-13
1026.23
- GROUNDWATER MONITORING WELL LOCATION AND NUMBER WITH WATER TABLE ELEVATION IN FEET ABOVE MEAN SEA LEVEL
-  FENCE
-  APPROXIMATE LIMIT OF LANDFILL WASTE
-  APPROXIMATE LIMIT OF LAGOON
-  WATER TABLE CONTOUR (DASHED WHERE INFERRED)



DEZURIK HAZARDOUS WASTE LAGOON #3

SARTELL, MINNESOTA

GROUND-WATER ELEVATIONS AND INFERRED FLOW DIRECTION (27 APR 04)

FILE: dezurik site map.dwg DATE: July 2001 FIGURE: 1

LEGGETTE, BRASHEARS & GRAHAM, INC.
 Professional Ground-Water and Environmental Services
 1113 East 14th Street
 Sioux Falls, South Dakota 57104
 (605) 334-6000

DATE	REVISED

**DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA**

2000 through 2003 Water Quality Data - Exceeded Parameters (in mg/L)

Analyte	Well	Spring 2000	Fall 2000	Spring 2001	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	MCL	SMCL	IL	HRLL
Boron	P-5R	1.18	1.62	2.18	1.01	1.10	0.62	1.18	1.11				0.6
	P-9R	<0.1	<0.1	0.15	0.05	0.04	<0.1	<0.1	<0.1				
	P-12R	<0.1	<0.1	0.086	0.07	0.04	0.1	<0.1	<0.1				
	P-13	<0.1	<0.1	0.07	0.05	0.04	<0.1	<0.1	<0.1				
Manganese	P-5R	0.092	0.063	0.024	<0.005	<0.005	<0.003	<0.003	<0.003		0.05		0.1
	P-9R	0.024	0.036	0.03	0.03	0.01	0.02	0.025	0.02				
	P-12R	0.022	0.006	0.057	0.02	0.006	0.078	0.078	0.076				
	P-13	0.013	0.014	0.006	0.01	0.006	0.003	0.018	<0.003				
Nitrate	P-5R	5.57	NS	4.52	5.78	5.8	6.32	5.63	5.3	10		2.5	10
	P-9R	4.59	NS	5.82	5.74	5.2	6.05	5.81	5.82				
	P-12R	4.72	NS	5.05	5.04	5.0	5.11	4.6	6.42				
	P-13	5.8	NS	5.46	5.21	5.2	5.23	5.11	5.24				
TDS	P-5R	717	852	820	710	680	436	280	768		500		
	P-9R	509	625	560	600	520	592	597	589				
	P-12R	582	585	520	510	500	1060	482	626				
	P-13	413	456	400	430	430	308	334	426				

- Lowest Standard
BOLD - Exceeded Lowest Standard
 NS - Not Sampled

**DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA**

2000 through 2003 Water Quality Data - Exceeded Parameters (in mg/L)

Analyte	Well	Spring 2000	Fall 2000	Spring 2001	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	MCL	SMCL	IL	HRL
Boron	P-5R	1.18	1.62	2.18	1.01	1.10	0.62	1.18	1.11				0.6
	P-9R	<0.1	<0.1	0.15	0.05	0.04	<0.1	<0.1	<0.1				
	P-12R	<0.1	<0.1	0.086	0.07	0.04	0.1	<0.1	<0.1				
	P-13	<0.1	<0.1	0.07	0.05	0.04	<0.1	<0.1	<0.1				
Manganese	P-5R	0.092	0.063	0.024	<0.005	<0.005	<0.003	<0.003	<0.003		0.05		0.1
	P-9R	0.024	0.036	0.03	0.03	0.01	0.02	0.025	0.02				
	P-12R	0.022	0.006	0.057	0.02	0.006	0.078	0.078	0.076				
	P-13	0.013	0.014	0.006	0.01	0.006	0.003	0.018	<0.003				
Nitrate	P-5R	5.57	NS	4.52	5.78	5.8	6.32	5.63	5.3	10		2.5	10
	P-9R	4.59	NS	5.82	5.74	5.2	6.05	5.81	5.82				
	P-12R	4.72	NS	5.05	5.04	5.0	5.11	4.6	6.42				
	P-13	5.8	NS	5.46	5.21	5.2	5.23	5.11	5.24				
TDS	P-5R	717	852	820	710	680	436	280	768		500		
	P-9R	509	625	560	600	520	592	597	589				
	P-12R	582	585	520	510	500	1060	482	626				
	P-13	413	456	400	430	430	308	334	426				

- Lowest Standard
BOLD - Exceeded Lowest Standard
 NS - Not Sampled

**DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA**

2000 through 2003 Water Quality Data - Exceeded Parameters (in mg/L)

Analyte	Well	Spring 2000	Fall 2000	Spring 2001	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	MCL	SMCL	IL	HRL
Boron	P-5R	1.18	1.62	2.18	1.01	1.10	0.62	1.18	1.11				0.6
	P-9R	<0.1	<0.1	0.15	0.05	0.04	<0.1	<0.1	<0.1				
	P-12R	<0.1	<0.1	0.086	0.07	0.04	0.1	<0.1	<0.1				
	P-13	<0.1	<0.1	0.07	0.05	0.04	<0.1	<0.1	<0.1				
Manganese	P-5R	0.092	0.063	0.024	<0.005	<0.005	<0.003	<0.003	<0.003		0.05		0.1
	P-9R	0.024	0.036	0.03	0.03	0.01	0.02	0.025	0.02				
	P-12R	0.022	0.006	0.057	0.02	0.006	0.078	0.078	0.076				
	P-13	0.013	0.014	0.006	0.01	0.006	0.003	0.018	<0.003				
Nitrate	P-5R	5.57	NS	4.52	5.78	5.8	6.32	5.63	5.3	10		2.5	10
	P-9R	4.59	NS	5.82	5.74	5.2	6.05	5.81	5.82				
	P-12R	4.72	NS	5.05	5.04	5.0	5.11	4.6	6.42				
	P-13	5.8	NS	5.46	5.21	5.2	5.23	5.11	5.24				
TDS	P-5R	717	852	820	710	680	436	280	768		500		
	P-9R	509	625	560	600	520	592	597	589				
	P-12R	582	585	520	510	500	1060	482	626				
	P-13	413	456	400	430	430	308	334	426				

- Lowest Standard
BOLD - Exceeded Lowest Standard
 NS - Not Sampled

**DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA**

2000 through 2003 Water Quality Data - Exceeded Parameters (in mg/L)

Analyte	Well	Spring 2000	Fall 2000	Spring 2001	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	MCL	SMCL	IL	HRL
Boron	P-5R	1.18	1.62	2.18	1.01	1.10	0.62	1.18	1.11				0.6
	P-9R	<0.1	<0.1	0.15	0.05	0.04	<0.1	<0.1	<0.1				
	P-12R	<0.1	<0.1	0.086	0.07	0.04	0.1	<0.1	<0.1				
	P-13	<0.1	<0.1	0.07	0.05	0.04	<0.1	<0.1	<0.1				
Manganese	P-5R	0.092	0.063	0.024	<0.005	<0.005	<0.003	<0.003	<0.003		0.05		0.1
	P-9R	0.024	0.036	0.03	0.03	0.01	0.02	0.025	0.02				
	P-12R	0.022	0.006	0.057	0.02	0.006	0.078	0.078	0.076				
	P-13	0.013	0.014	0.006	0.01	0.006	0.003	0.018	<0.003				
Nitrate	P-5R	5.57	NS	4.52	5.78	5.8	6.32	5.63	5.3	10		2.5	10
	P-9R	4.59	NS	5.82	5.74	5.2	6.05	5.81	5.82				
	P-12R	4.72	NS	5.05	5.04	5.0	5.11	4.6	6.42				
	P-13	5.8	NS	5.46	5.21	5.2	5.23	5.11	5.24				
TDS	P-5R	717	852	820	710	680	436	280	768		500		
	P-9R	509	625	560	600	520	592	597	589				
	P-12R	582	585	520	510	500	1060	482	626				
	P-13	413	456	400	430	430	308	334	426				

- Lowest Standard
BOLD - Exceeded Lowest Standard
 NS - Not Sampled

**DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA**

2000 through 2003 Water Quality Data - Exceeded Parameters (in mg/L)

Analyte	Well	Spring 2000	Fall 2000	Spring 2001	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	MCL	SMCL	IL	HRL
Boron	P-5R	1.18	1.62	2.18	1.01	1.10	0.62	1.18	1.11				0.6
	P-9R	<0.1	<0.1	0.15	0.05	0.04	<0.1	<0.1	<0.1				
	P-12R	<0.1	<0.1	0.086	0.07	0.04	0.1	<0.1	<0.1				
	P-13	<0.1	<0.1	0.07	0.05	0.04	<0.1	<0.1	<0.1				
Manganese	P-5R	0.092	0.063	0.024	<0.005	<0.005	<0.003	<0.003	<0.003		0.05		0.1
	P-9R	0.024	0.036	0.03	0.03	0.01	0.02	0.025	0.02				
	P-12R	0.022	0.006	0.057	0.02	0.006	0.078	0.078	0.076				
	P-13	0.013	0.014	0.006	0.01	0.006	0.003	0.018	<0.003				
Nitrate	P-5R	5.57	NS	4.52	5.78	5.8	6.32	5.63	5.3	10		2.5	10
	P-9R	4.59	NS	5.82	5.74	5.2	6.05	5.81	5.82				
	P-12R	4.72	NS	5.05	5.04	5.0	5.11	4.6	6.42				
	P-13	5.8	NS	5.46	5.21	5.2	5.23	5.11	5.24				
TDS	P-5R	717	852	820	710	680	436	280	768		500		
	P-9R	509	625	560	600	520	592	597	589				
	P-12R	582	585	520	510	500	1060	482	626				
	P-13	413	456	400	430	430	308	334	426				

NS - Not Sampled
BOLD - Exceeded Lowest Standard
 - Lowest Standard

**DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA**

2000 through 2003 Water Quality Data - Exceeded Parameters (in mg/L)

Analyte	Well	Spring 2000	Fall 2000	Spring 2001	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	MCL	SMCL	IL	HRL
Boron	P-5R	1.18	1.62	2.18	1.01	1.10	0.62	1.18	1.11				0.6
	P-9R	<0.1	<0.1	0.15	0.05	0.04	<0.1	<0.1	<0.1				
	P-12R	<0.1	<0.1	0.086	0.07	0.04	0.1	<0.1	<0.1				
	P-13	<0.1	<0.1	0.07	0.05	0.04	<0.1	<0.1	<0.1				
Manganese	P-5R	0.092	0.063	0.024	<0.005	<0.005	<0.003	<0.003	<0.003		0.05		0.1
	P-9R	0.024	0.036	0.03	0.03	0.01	0.02	0.025	0.02				
	P-12R	0.022	0.006	0.057	0.02	0.006	0.078	0.078	0.076				
	P-13	0.013	0.014	0.006	0.01	0.006	0.003	0.018	<0.003				
Nitrate	P-5R	5.57	NS	4.52	5.78	5.8	6.32	5.63	5.3	10		2.5	10
	P-9R	4.59	NS	5.82	5.74	5.2	6.05	5.81	5.82				
	P-12R	4.72	NS	5.05	5.04	5.0	5.11	4.6	6.42				
	P-13	5.8	NS	5.46	5.21	5.2	5.23	5.11	5.24				
TDS	P-5R	717	852	820	710	680	436	280	768		500		
	P-9R	509	625	560	600	520	592	597	589				
	P-12R	582	585	520	510	500	1060	482	626				
	P-13	413	456	400	430	430	308	334	426				

- Lowest Standard
BOLD - Exceeded Lowest Standard
 NS - Not Sampled

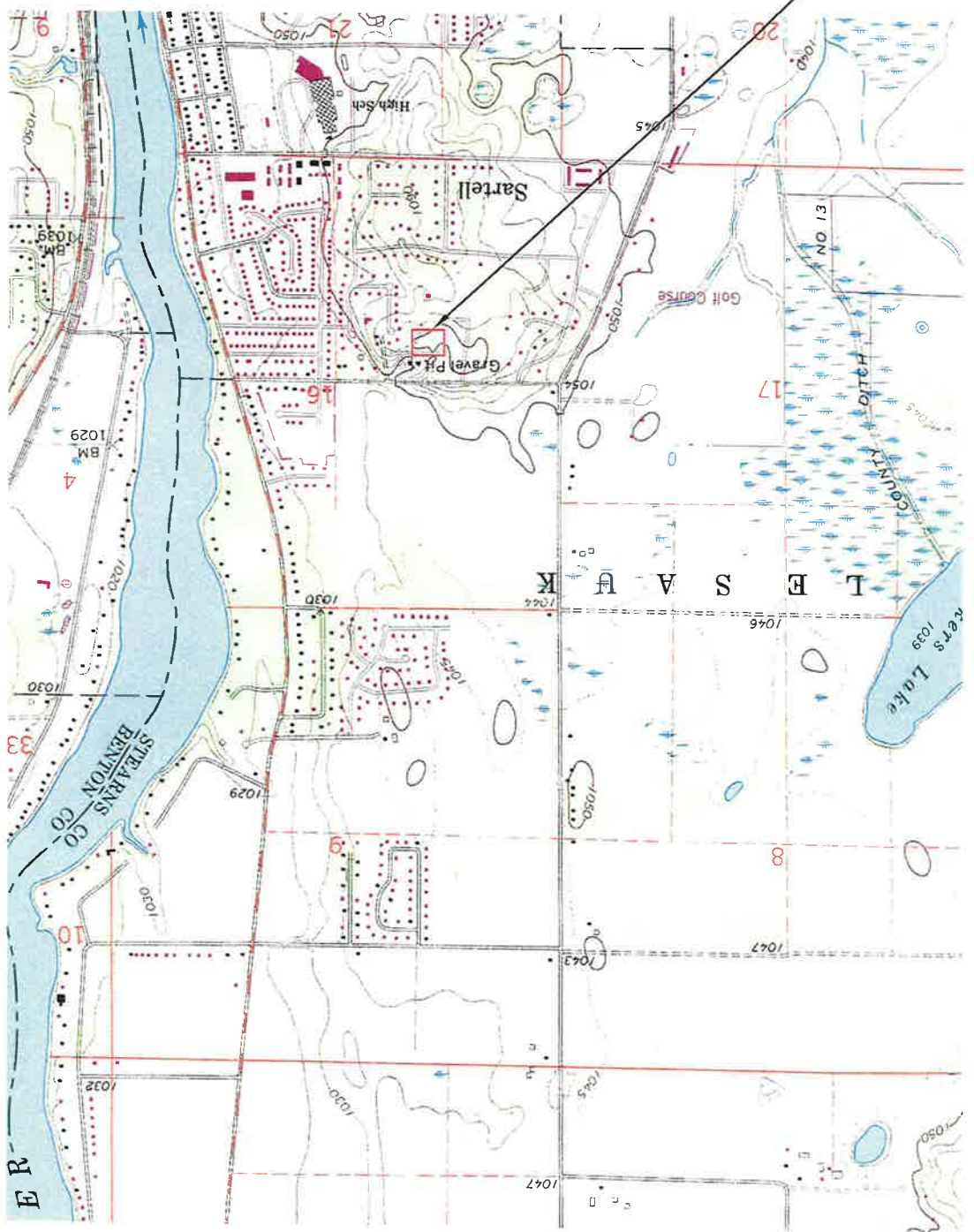
DATE	REVISED



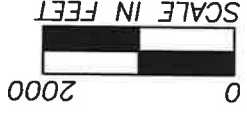
LEGGETT, BRASHEARS & GRAHAM, INC.
 Professional Ground-Water
 and Environmental Services
 1113 East 14th Street
 Sioux Falls, South Dakota 57104
 (605) 334-8000

DEZURIK HAZARDOUS WASTE LAGOON #3
 SARTELL, MINNESOTA
 Site Location Map
 Source: USGS 7.5 Minute Series; Little Rock Lake Quad
 FILE: Dez-topo.dwg DATE: January, 2002 FIGURE: 1

APPROXIMATE LOCATION
 OF SITE



Revisions shown in purple and woodland compiled in cooperation with State of Minnesota agencies from aerial photographs taken 1991 and other sources. Contours not revised. This information not field checked. Map edited 1993.



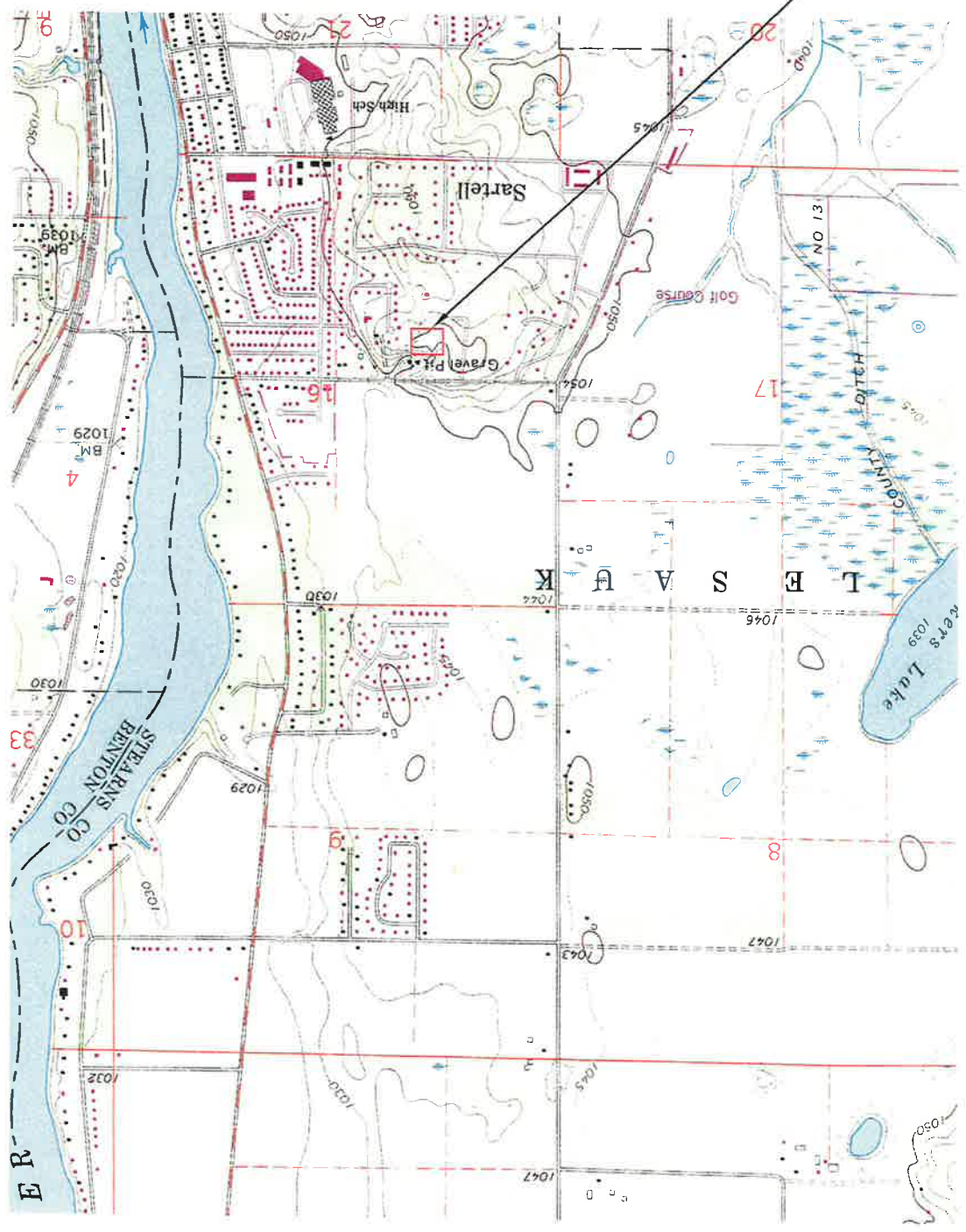
DATE	REVISION



LEGGETT, BRASHEARS & GRAHAM, INC.
 Professional Ground-Water
 and Environmental Services
 1113 East 14th Street
 Sioux Falls, South Dakota 57104
 (605) 334-8000

DEZURIK HAZARDOUS WASTE LAGOON #3
 SARTELL, MINNESOTA
 Site Location Map
 Source: USGS 7.5 Minute Series, Little Rock Lake Quad
 FILE: Dez-topo.dwg DATE: January, 2002 FIGURE: 1

APPROXIMATE LOCATION
 OF SITE



Revisions shown in purple and woodland compiled in cooperation with State of Minnesota agencies from aerial photographs taken 1991 and other sources. Contours not revised. This information not field checked. Map edited 1993.



DATE	REVISED



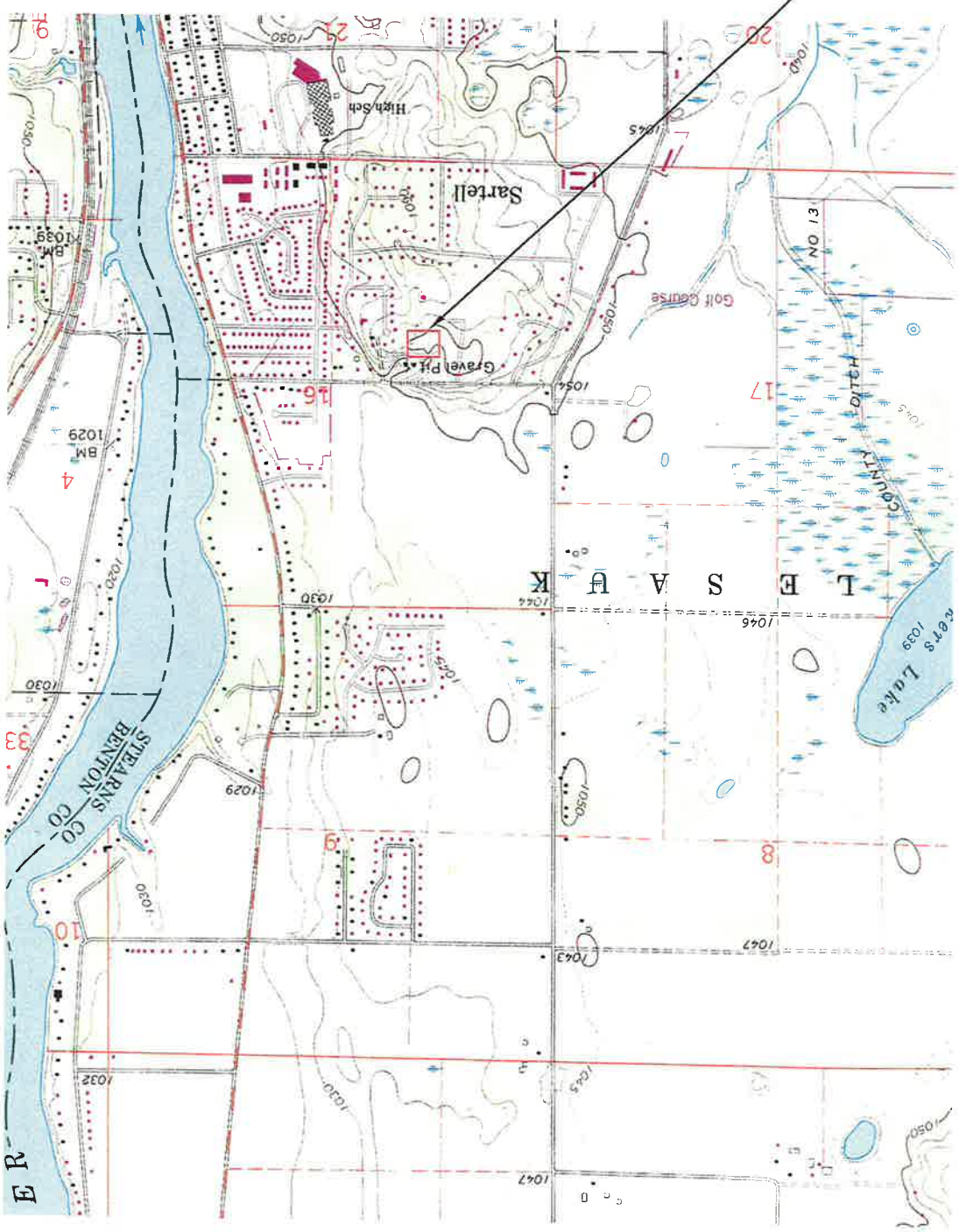
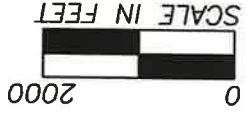
LEGGETT, BRASHEARS & GRAHAM, INC.
 Professional Ground-Water
 and Environmental Services
 1113 East 14th Street
 Sioux Falls, South Dakota 57104
 (605) 334-8000

DEZURIK HAZARDOUS WASTE LAGOON #3
 SARTELL, MINNESOTA
 Site Location Map
 Source: USGS 7.5 Minute Series; Little Rock Lake Quad
 FILE: Dez-topo.dwg DATE: January, 2002 FIGURE: 1

APPROXIMATE LOCATION
 OF SITE



Revisions shown in purple and woodland compiled in cooperation with State of Minnesota agencies from aerial photographs taken 1991 and other sources. Contours not revised. This information not field checked. Map edited 1993



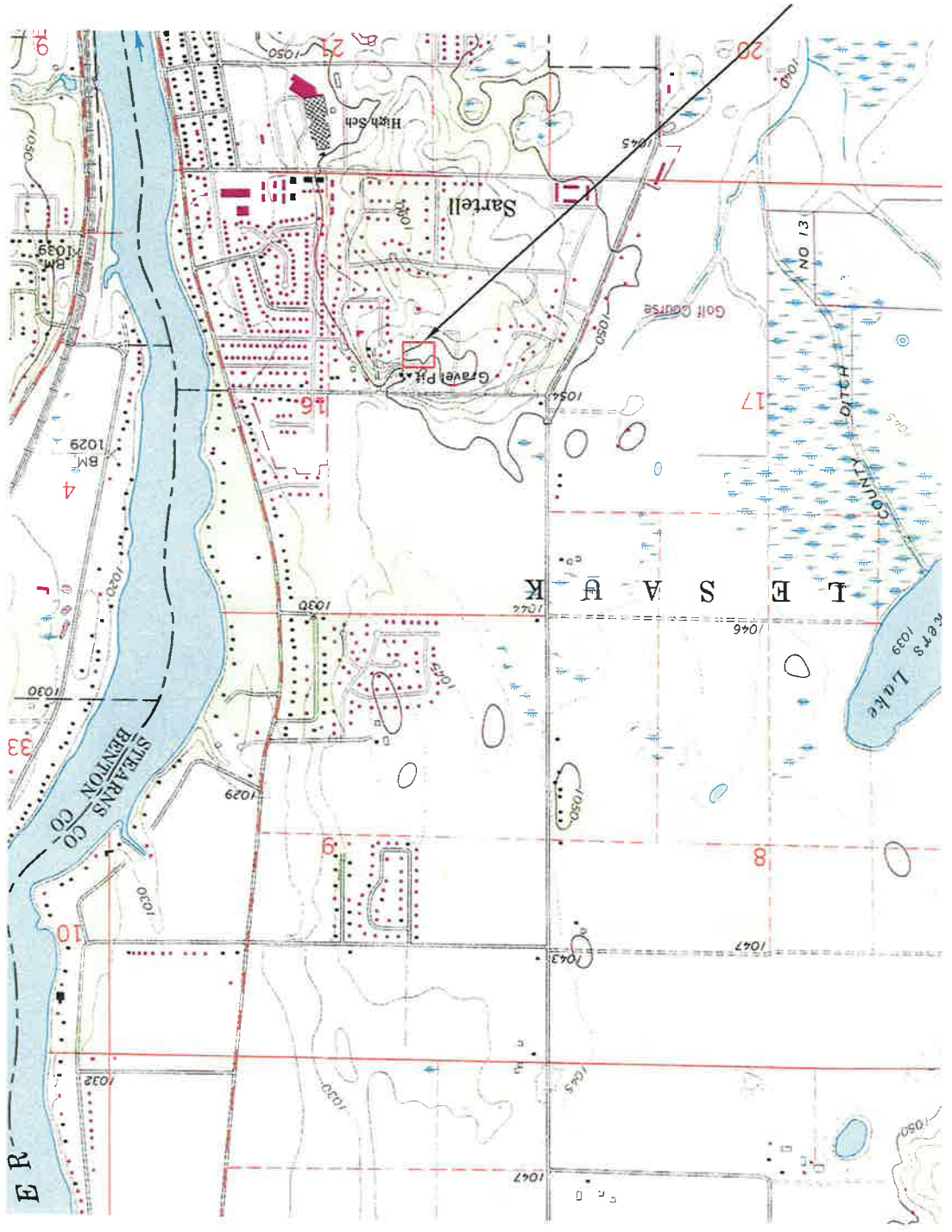
DATE	REVISED



LEGGETT, BRASHARS & GRAHAM, INC.
 Professional Ground-Water
 and Environmental Services
 1113 East 14th Street
 Sioux Falls, South Dakota 57104
 (605) 334-6000

DEZURIK HAZARDOUS WASTE LAGOON #3
 SARTELL, MINNESOTA
 Site Location Map
 Source: USGS 7.5 Minute Series; Little Rock Lake Quad
 FILE: Dez-topo.dwg DATE: January, 2002 FIGURE: 1

APPROXIMATE LOCATION
 OF SITE



Revisions shown in purple and woodland compiled in cooperation with State of Minnesota agencies from aerial photographs taken 1991 and other sources. Contours not revised. This information not field checked. Map edited 1993.



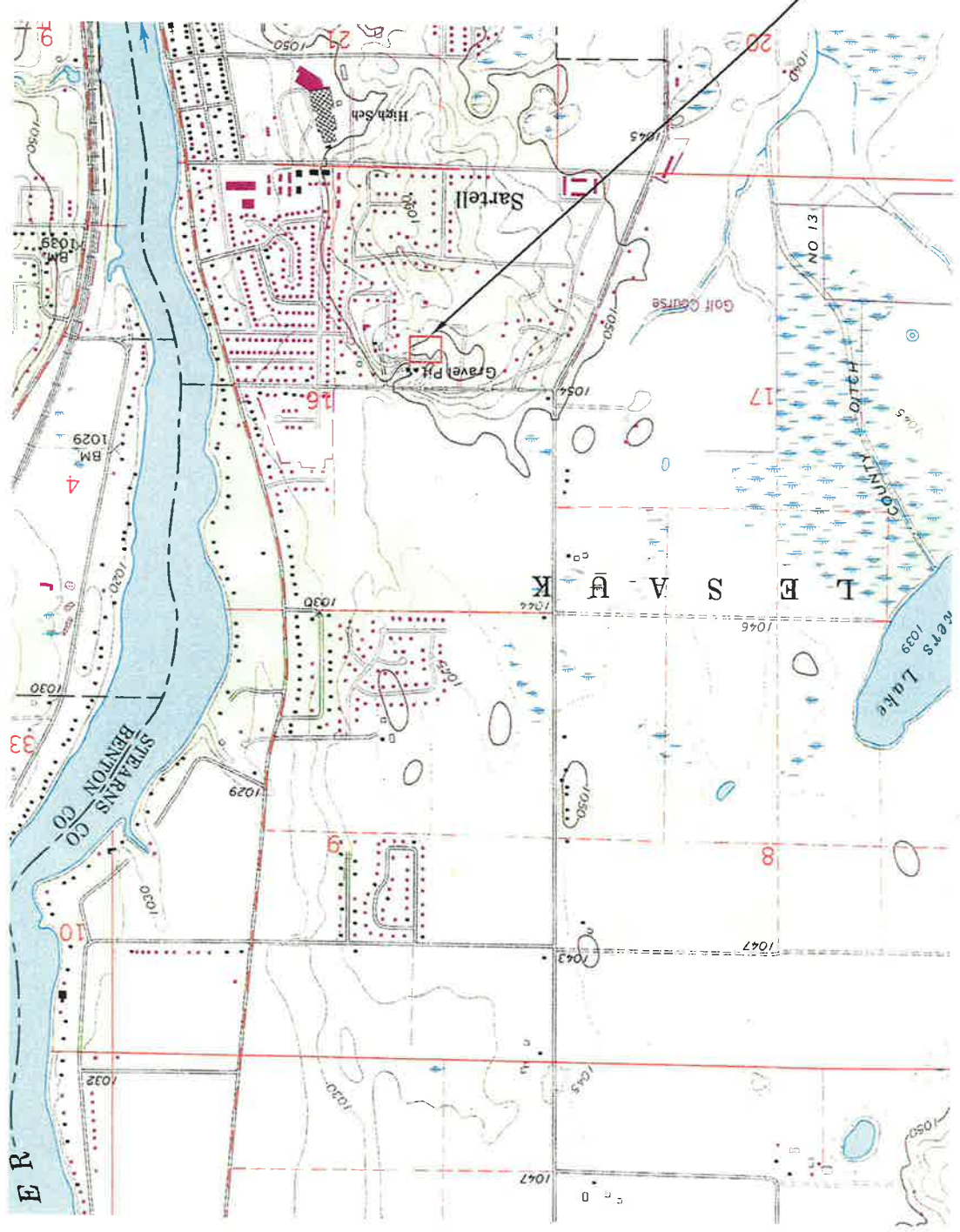
DATE	REVISION



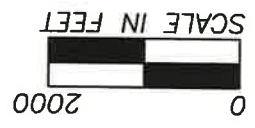
LEGGETT, BRASHEARS & GRAHAM, INC.
 Professional Ground-Water
 and Environmental Services
 1113 East 14th Street
 Sioux Falls, South Dakota 57104
 (605) 334-6000

DEZURIK HAZARDOUS WASTE LAGOON #3
 SARTELL, MINNESOTA
 Site Location Map
 Source: USGS 7.5 Minute Series; Little Rock Lake Quad
 FILE: Dez-topo.dwg | DATE: January, 2002 | FIGURE: 1

APPROXIMATE LOCATION
 OF SITE



Revisions shown in purple and woodland compiled in cooperation with State of Minnesota agencies from aerial photographs taken 1991 and other sources. Contours not revised. This information not field checked. Map edited 1993



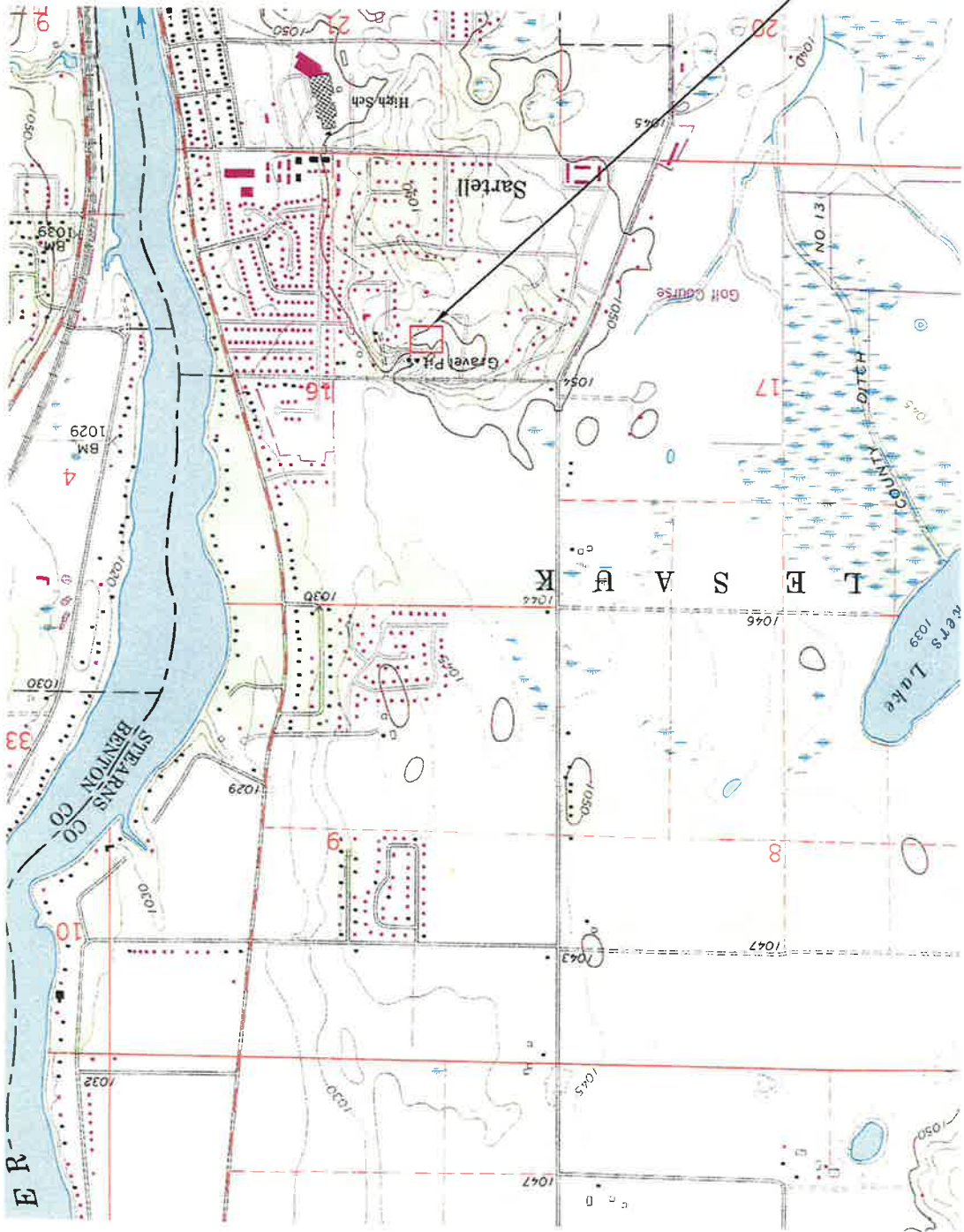
DATE	
REVISED	



LEGGETT, BRASHARS & GRAHAM, INC.
 Professional Ground-Water
 and Environmental Services
 1113 East 14th Street
 Sioux Falls, South Dakota 57104
 (605) 334-8000

DEZURIK HAZARDOUS WASTE LAGOON #3
 SARTELL, MINNESOTA
 Site Location Map
 Source: USGS 7.5 Minute Series, Little Rock Lake Quad
 FILE: Dez-topo.dwg DATE: January, 2002 FIGURE: 1

APPROXIMATE LOCATION
 OF SITE



Revisions shown in purple and woodland compiled in cooperation with State of Minnesota agencies from aerial photographs taken 1991 and other sources. Contours not revised. This information not field checked. Map edited 1993



TABLE 2
DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA

2004 Water Quality Data Summary

Analyte	Units	MCL (mg/L)	SMCL (mg/L)	IL (mg/L)	HRL (mg/L)	P-5R	P-9R	P-12R	P-13	Duplicate P-13
Total Organic Carbon	mg/L					1.4	2.4	3.4	0.8	1.8
Chloride	mg/L		250			41.5	34.5	45.3	24.9	25.4
Conductivity	umhos/cm					1212	921	997	705	706
Chemical Oxygen Demand	mg/L					23	6	34	19	19
pH	su		6.5-8.5			7.20	7.30	7.40	7.30	7.30
Total Phenols	mg/L					<0.005	<0.005	<0.005	<0.005	<0.005
Sodium	mg/L					36.6	10.3	13.6	4.87	4.73
Total Dissolved Solids	mg/L		500			1030	582	632	456	428
Sulfate	mg/L		250			224	85.9	131	37.9	33.1
Total Cyanide	mg/L	0.2			0.1	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoride	mg/L	4	2			<0.1	<0.1	<0.1	<0.1	<0.1
Nitrate as N	mg/L			2.5	10	5.24	5.21	5.12	5.19	5.17
Dissolved Arsenic	mg/L	0.01		0.0125		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Barium	mg/L	2		0.375	2	0.06	0.064	0.057	0.036	0.035
Dissolved Boron	mg/L				0.6	1.49	<0.1	<0.1	<0.1	<0.1
Dissolved Cadmium	mg/L	0.005		0.0125	0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dissolved Calcium	mg/L					170	134	145	110	105
Dissolved Chromium	mg/L	0.1		0.03	0.02	<0.006	<0.006	<0.006	<0.006	<0.006
Dissolved Iron	mg/L		0.3			<0.01	<0.01	<0.01	<0.01	<0.01
Dissolved Lead	mg/L	0.015		0.005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dissolved Magnesium	mg/L					50	38.3	38.3	27.6	26
Dissolved Manganese	mg/L		0.05		0.1	<0.003	0.036	0.016	<0.003	<0.003
Dissolved Selenium	mg/L	0.05		0.011	0.03	0.00089	<0.0005	0.00072	<0.0005	<0.0005
Dissolved Zinc	mg/L		5		2	<0.01	<0.01	<0.01	<0.01	<0.01

Blank = not analyzed
Detections are in **BOLD**

TABLE 3
Summary of Analytical and Statistical Analysis Results
Dezurik Hazardous Waste Lagoon No. 3
 (units = µg/L, dissolved)

WELL NUMBER	DATE	ARSENIC	BARIUM	CADMIUM	LEAD	SELENIUM
P-13	8/1/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-1	10/31/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-2	10/31/1991	< 3.0	< 50	0.88	< 3.0	< 3.0
P-13-3	10/31/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-4	10/31/1991	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-1	4/23/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-2	4/23/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-3	4/23/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-4	4/23/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	9/30/1992	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-1	10/8-9/92	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-2	10/8-9/92	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13-3	10/8-9/92	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	4/20/1993	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	4/20/1993	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	4/20/1993	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13D	4/20/1993	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	10/29/1993	< 3.0	< 50	3.3*	< 3.0	< 3.0
P-13B	10/29/1993	< 3.0	< 50	5.5*	< 3.0	< 3.0
P-13C	10/29/1993	< 3.0	< 50	3.9*	< 3.0	< 3.0
P-13D	10/29/1993	< 3.0	< 50	17*	< 3.0	< 3.0
P-13	4/20/1994	< 3.0	< 50	< 0.3	< 3.0	< 6.02
P-13A	4/20/1994	< 3.0	< 50	< 0.3	< 3.0	< 6.02
P-13B	4/20/1994	< 3.0	< 50	0.31	< 3.0	< 6.02
P-13C	4/20/1994	< 3.0	< 50	< 0.3	< 3.0	< 6.02
P-13	10/17/1994	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	10/18/1994	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	10/18/1994	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	10/18/1994	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	4/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	4/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	4/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	4/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	4/17/1996	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	4/17/1996	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	4/17/1996	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	4/17/1996	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	10/16/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13A	10/16/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13B	10/16/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13C	10/16/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13A	10/17/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13B	10/17/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13C	10/17/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13	4/16/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13A	4/17/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13B	4/17/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13C	4/17/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13	10/15/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13A	10/16/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13B	10/16/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13C	10/16/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13A	4/9/1998	< 2	< 6	< 0.2	< 1	< 3
P-13B	4/10/1998	< 2	< 6	< 0.2	< 1	< 3
P-13C	4/10/1998	2.2	< 6	< 0.2	< 1	< 3
P-13D	4/13/1998	< 2	< 6	< 0.2	< 1	< 3
P-13A	10/5/1998	< 2	27	< 0.2	< 1	< 3
P-13B	10/5/1998	< 2	101	< 0.2	< 1	< 3
P-13C	10/6/1998	< 2	180	< 0.2	< 1	< 3
P-13D	10/6/1998	< 2	135	< 0.2	< 1	< 3

TABLE 3
Summary of Analytical and Statistical Analysis Results
DeZurik Hazardous Waste Lagoon No. 3
(units = µg/L, dissolved)

WELL NUMBER	DATE	ARSENIC	BARIUM	CADMIUM	LEAD	SELENIUM
P-13C	4/12/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	10/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	10/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	10/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	10/11/1995	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	4/17/1996	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13A	4/17/1996	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13B	4/17/1996	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13C	4/17/1996	< 3.0	< 50	< 0.3	< 3.0	< 3.0
P-13	10/16/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13A	10/16/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13B	10/17/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13C	10/17/1996	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13	4/16/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13A	4/17/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13B	4/17/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13C	4/17/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13	10/15/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13A	10/16/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13B	10/16/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13C	10/16/1997	< 3.0	< 50	< 0.30	< 3.0	< 3.0
P-13A	4/9/1998	< 2	< 6	< 0.2	< 1	< 3
P-13B	4/10/1998	< 2	< 6	< 0.2	< 1	< 3
P-13C	4/10/1998	2.2	< 6	< 0.2	< 1	< 3
P-13D	4/13/1998	< 2	< 6	< 0.2	< 1	< 3
P-13A	10/5/1998	< 2	27	< 0.2	< 1	< 3
P-13B	10/5/1998	< 2	101	< 0.2	< 1	< 3
P-13C	10/6/1998	< 2	180	< 0.2	< 1	< 3
P-13D	10/6/1998	< 2	135	< 0.2	< 1	< 3
P-13A	4/26/1999	< 2	66	< 0.2	< 1	< 1
P-13B	4/26/1999	< 2	178	< 0.2	< 1	< 1
P-13C	4/27/1999	< 2	114	< 0.2	< 1	< 1
P-13D	4/27/1999	< 2	151	< 0.2	< 1	< 1
P-13A	10/26/1999	< 2	95*	< 0.2	< 1	< 1
P-13B	10/27/1999	< 2	300*	< 0.2	< 1	< 1
P-13C	10/27/1999	< 2	196*	< 0.2	< 1	< 1
P-13D	10/27/1999	< 2	229*	< 0.2	< 1	< 1
P-13A	4/24/2000	< 2	156	< 0.2	< 1	< 1
P-13A	10/23/2000	< 2	115	< 0.2	< 1	< 1
P-13	4/18/2001	< 10	43	< 1	< 10	< 10
P-13Dup	4/18/2001	< 10	43	< 1	< 10	< 10
P-13 Resample	7/26/2001	< 5	42	< 0.5	< 2	< 5
P-13	10/23/2001	< 5	38	< 0.5	< 2	< 5
P-13Dup	10/23/2001	< 5	37	< 0.5	< 2	< 5
P-13	4/29/2002	10	40	< 0.5	< 2	< 5
P-13Dup	4/29/2002	10	40	< 0.5	< 2	< 5
P-13	10/16/2002	< 1	37	< 0.2	< 0.5	< 1
P-13 Dup	10/16/2002	< 1	36	< 0.2	< 0.5	< 1
P-13	4/15/2003	< 1	38	< 0.2	< 0.5	1.22

TABLE 3
Summary of Analytical and Statistical Analysis Results
DeZurik Hazardous Waste Lagoon No. 3
(units = µg/L, dissolved)

WELL NUMBER	DATE	ARSENIC	BARIUM	CADMIUM	LEAD	SELENIUM
P-13 DUP	4/15/2003	<1	37	<0.2	<0.5	1.23
P-13	10/7/2003	<0.5	42	<0.1	<0.5	<0.5
P-13 DUP	10/7/2003	<0.5	40	<0.1	<0.5	<0.5
P-13	4/27/2004	<0.5	36	<0.1	<0.5	<0.5
P-13 DUP	4/27/2004	<0.5	35	<0.1	<0.5	<0.5
P-13	10/12/2004	0.52	37	<0.1	<0.5	1.22
P-13 Dup	10/12/2004	0.5	37	<0.1	<0.5	1.27

Regulatory Limits:

MCL:	50	2000	5	15	50
SMCL:	N/A	N/A	N/A	N/A	N/A
HRL:	N/A	2000	4	N/A	30
IL:	12.5	375	1.25	5	11

Background Detection limit**

Background Mean#

Background Standard deviation#

$K_{0.95}$

Tolerance level***

3	50	0.3	3	3
3	38	0.3	3	3
1.732	2.421	0.548	1.732	1.732
2.523	2.523	2.523	2.523	2.523
7.4	44	1.7	7.4	7.4

ND Not detected.

-- Not measured.

The Poisson Distribution method was used for calculating the mean and standard deviation for background constituents with two or less reported results above the detection limit. For background constituents with three or more results above the detection limit, the arithmetic mean and standard deviation is calculated.

* Data collected is considered suspect.

** In 1998, new analytical equipment allowed the laboratory to obtain lower detection limits than that obtained in previous sampling years. These detection limits are lower than those required in the August 1994 Part B Permit Application for evaluating compliance of wells. Where the reported detection limit is lower than the required detection limit, the required detection limit is used for calculating the tolerance level to maintain continuity in evaluating compliance.

Note: The sample size for background is kept at 16 based on page 15 of August 1994 Part B Permit Application. Use the last 4 quarters of background data.

DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA

2000 through 2004 Water Quality Data - Exceeded Parameters (in mg/L)

Analyte	Well	MCL	SMCL	IL	HRL	Spring 2000	Fall 2000	Spring 2001	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003
Boron	P-5R				0.6	1.18	1.62	2.18	1.01	1.10	0.62	1.18	1.11
	P-9R					<0.1	<0.1	0.15	0.05	0.04	<0.1	<0.1	<0.1
	P-12R					<0.1	<0.1	0.086	0.07	0.04	0.1	<0.1	<0.1
	P-13					<0.1	<0.1	0.07	0.05	0.04	<0.1	<0.1	<0.1
	MW-5					NS	NS	NS	NS	NS	NS	NS	NS
	PW-0					NS	NS	NS	NS	NS	NS	NS	NS
	P-4					NS	NS	NS	NS	NS	NS	NS	NS
	P-5A					NS	NS	NS	NS	NS	NS	NS	NS
	P-6					NS	NS	NS	NS	NS	NS	NS	NS
	P-7					NS	NS	NS	NS	NS	NS	NS	NS
	P-8A					NS	NS	NS	NS	NS	NS	NS	NS
P-8B					NS	NS	NS	NS	NS	NS	NS	NS	
P-10					NS	NS	NS	NS	NS	NS	NS	NS	
P-11A					NS	NS	NS	NS	NS	NS	NS	NS	
Manganese	P-5R		0.05		0.1	0.092	0.063	0.024	<0.005	<0.005	<0.003	<0.003	<0.003
	P-9R					0.024	0.036	0.03	0.03	0.01	0.02	0.025	0.02
	P-12R					0.022	0.006	0.057	0.02	0.006	0.078	0.078	0.076
	P-13					0.013	0.014	0.006	0.01	0.006	0.003	0.018	<0.003
Nitrate	P-5R	10		2.5	10	5.57	NS	4.52	5.78	5.8	6.32	5.63	5.3
	P-9R					4.59	NS	5.82	5.74	5.2	6.05	5.81	5.82
	P-12R					4.72	NS	5.05	5.04	5.0	5.11	4.6	6.42
	P-13					5.8	NS	5.46	5.21	5.2	5.23	5.11	5.24
TDS	P-5R		500			717	852	820	710	680	436	280	768
	P-9R					509	625	560	600	520	592	597	589
	P-12R					582	585	520	510	500	1060	482	626
	P-13					413	456	400	430	430	308	334	426

 - Lowest Standard
BOLD - Exceeded Lowest Standard
 NS - Not Sampled

**DEZURIK HAZARDOUS WASTE LAGOON #3
SARTELL, MINNESOTA**

2000 through 2004 Water Quality Data - Exceeded Parameters (in mg/L)

Analyte	Well	MCL	SMCL	IL	HRL	Spring 2004	Fall 2004
Boron	P-5R				0.6	1.79	1.54
	P-9R					<0.1	<0.1
	P-12R					<0.1	<0.1
	P-13					<0.1	<0.1
	MW-5					NS	<0.1
	PW-0					NS	0.95
	P-4					NS	<0.1
	P-5A					NS	1.1
	P-6					NS	<0.1
	P-7					NS	0.24
	P-8A					NS	<0.1
P-8B					NS	<0.1	
P-10					NS	0.13	
P-11A					NS	6.85	
Manganese	P-5R		0.05		0.1	<0.003	<0.005
	P-9R					0.036	0.031
	P-12R					0.016	0.064
	P-13					<0.003	<0.005
Nitrate	P-5R	10				5.24	5.08
	P-9R			2.5	10	5.21	4.98
	P-12R					5.12	5.55
	P-13					5.19	5.71
TDS	P-5R		500			1030	986
	P-9R					582	705
	P-12R					632	740
	P-13					456	534

- Lowest Standard
BOLD - Exceeded Lowest Standard
 NS - Not Sampled

APPENDIX I

Field Sampling Data Sheets

FLUID-LEVEL DATA SHEET

DATE: 10-12-04

CLIENT NAME: DEZURIK LANDFILL LAGOON #3

CLIENT CODE: 6SARBT

LOCATION: 12 TH ST N, SARTELL, MN

OB CODE: DESHWL

WEATHER CONDITIONS: OVERCAST, 68°

RECORDED BY: CMH

MEASURING DEVICE: SOLINST

WELL	DEPTH TO HYDROCARBON	DEPTH TO WATER	ELEVATION TOC	ELEVATION WATER	PRODUCT THICKNESS	COMMENTS
P-5R		75.06				
P-9R		78.25				
P-12R		77.33				
P-13		78.80				

DAILY ACTIVITY LOG

7:15 DEPARTURE

8:13 ARRIVAL ON SITE

8:14 SAMPLING P-13, P-5R, P-9R, P-12R DUPLICATE

DUPLICATE SAMPLE P-13 ALL PARAMETERS

11:50 COMPLETE SAMPLING

12:10 SAMPLING SARTELL LANDFILL

GROUND-WATER SAMPLING DATA SHEET

Client Code: 6SARBT	Project Title: DEZURIK LANDFILL LAGOON #3
Job Code: DESHWL	Address: 12TH ST N
Date: 10.12.04	City, State, Zip: SARTELL, MN.

General Data	Stabilization Data					
	Volume (gallons)	Well Volume	Temp (C)	ORP (mV)	SC (uS)	pH
Location ID: P-5R						
Key Number: 10G013	5.00	1.0	11.1	140	1269	6.76
Casing Diameter (in): 4"	9.00	2.0	11.1	117	1268	6.80
Well Depth (ft): 81.35 TD TOC	13.00	3.0	11.1	105	1258	6.76
Depth to water (ft): 75.06						
Column length (ft): 6.29						
Column volume (gal): 4.11						
Total volume purged(gal): 13.00						

Miscellaneous

Purge Method:	PVC. BAILER
Sampling Method:	DISP. BAILER
Analysis Requested:	Dissolved metals, CL, FL, NO3, SO4, COD, Cyanide, Phenols, TOC, TDS, pH, Conductivity
Weather Conditions:	P. CLOUDY 54°

Sample Description: SLIGHTLY SILTY, TAN/RUST TINT. NO ODOUR

Remarks:

Sampler: CMH	Time Sample Collected: 955
--------------	----------------------------

Leggette, Brashears & Graham, Inc.
 8 Pine Tree Drive, Suite 250
 St. Paul, Minnesota 55112

GROUND-WATER SAMPLING DATA SHEET

Client Code: 6SARBT

Project Title: DEZURIK LANDFILL LAGOON #3

Job Code: DESHWL

Address: 12TH ST N

Date:

10.12.04

City, State, Zip: SARTELL, MN.

General Data

Stabilization Data

Location ID:	Volume (gallons)	Well Volume	Temp (C)	ORP (mV)	SC (uS)	pH
P-9R	6.00	1.0	10.5	104	960	7.06
Key Number: 10G013	11.00	2.0	10.5	85	1000	6.93
Casing Diameter (in): 4"	16.00	3.0	10.5	73	1008	6.91
Well Depth (ft): 86.20 TD TOC	21.00	4.0	10.5	63	1009	6.89
Depth to water (ft): 78.25						
Column length (ft): 7.95						
Column volume (gal): 5.19						
Total volume purged (gal): 21.00						

Miscellaneous

Purge Method: PVC. BAILER

Sampling Method: DISP. BAILER

Analysis Requested: Dissolved metals, CL, FL, NO3, SO4, COD, Cyanide, Phenols, TOC, TDS, pH, Conductivity

Weather Conditions: P. Cloudy. 55°

Sample Description: CLEAR NO ODOOR

Remarks:

Sampler: CMH

Time Sample Collected: 1039

Leggette, Brashears & Graham, Inc.
8 Pine Tree Drive, Suite 250
St. Paul, Minnesota 55112

GROUND-WATER SAMPLING DATA SHEET

Client Code: 6SARBT	Project Title: DEZURIK LANDFILL LAGOON #3
Job Code: DESHWL	Address: 12TH ST N
Date: 10.12.04	City, State, Zip: SARTELL, MN.

General Data	Stabilization Data					
	Volume (gallons)	Well Volume	Temp (C)	ORP (mV)	SC (uS)	pH
Location ID: P-12R						
Key Number: 10G013	7.00	1.0	10.4	32	987	7.00
Casing Diameter (in): 4"	13.00	2.0	10.3	21	994	6.98
Well Depth (ft): 86.80 TD TOC	19.00	3.0	10.3	30	997	6.98
Depth to water (ft): 77.33						
Column length (ft): 9.47						
Column volume (gal): 6.18						
Total volume purged (gal): 19.00						

Miscellaneous

Purge Method:	PVC. BAILER
Sampling Method:	DISP. BAILER
Analysis Requested:	Dissolved metals, CL, FL, NO3, SO4, COD, Cyanide, Phenols, TOC, TDS, pH, Conductivity
Weather Conditions:	P. CLOUDY, 58°

Sample Description: **SILTY RUST TINT NO OROZ**

Remarks:

Sampler: CMH	Time Sample Collected: 1142
---------------------	------------------------------------

Leggette, Brashears & Graham, Inc.
 8 Pine Tree Drive, Suite 250
 St. Paul, Minnesota 55112

GROUND-WATER SAMPLING DATA SHEET

Client Code: 6SARBT

Project Title: DEZURIK LANDFILL LAGOON #3

Job Code: DESHWL

Address: 12TH ST N

Date:

10-12-04

City, State, Zip: SARTELL, MN.

General Data

Stabilization Data

General Data		Volume (gallons)	Well Volume	Temp (C)	ORP (mV)	SC (uS)	pH
Location ID:	P-13						
Key Number:	10G013	6.00	1.0	10.6	146	691	6.74
Casing Diameter (in):	4"	11.00	2.0	10.6	124	692	6.88
Well Depth (ft):	86.90 TD TOC	16.00	3.0	10.6	109	693	6.88
Depth to water (ft):	78.80	22.00	4.0	10.6	95	697	6.90
Column length (ft):	8.10						
Column volume (gal)	529						
Total volume purged (gal):	2200						

Miscellaneous

Purge Method: PVC. BAILER

Sampling Method: DISP. BAILER

Analysis Requested: Dissolved metals, CL, FL, NO3, SO4, COD, Cyanide, Phenols, TOC, TDS, pH, Conductivity

Weather Conditions: OVERCAST, 42°

Sample Description: SLIGHTLY SLURRY TAN TINT, NO ODOUR

Remarks: DUPLICATE SAMPLE

Sampler: CMH

Time Sample Collected: 903

Leggette, Brashears & Graham, Inc.
8 Pine Tree Drive, Suite 250
St. Paul, Minnesota 55112

APPENDIX II

Methods

METHODOLOGIES

Monitor-Well Development

The monitor wells are developed by surging with dedicated stainless-steel bailers or by hand pumping until the discharge is relatively sediment free.

Ground-Water Monitoring

Fluid-level elevations are measured to the nearest 0.01 foot using the top of well casing as a reference point with a steel tape, an electronic water-level indicator or an interfacephase probe. Prior to insertion into each monitor well, the measuring device is cleaned with alcohol and rinsed with distilled water. The steel tapes are accurate to approximately ± 0.01 foot. The electronic water-level indicator manufacturer's reported accuracy is ± 0.04 foot. The interphase probe has a manufacturer's reported accuracy of approximately ± 0.01 foot.

Ground-Water Sampling

The monitor wells are sampled in order from the suspected cleanest to the suspected most contaminated. Wells containing measurable accumulations of free-phase product are not sampled. The sampling procedure is as follows.

- The fluid level in the well is measured to the nearest 0.01 foot as described in the ground-water monitoring section above.
- The well volume is calculated.
- A minimum of three standing well volumes are purged from the well. During purging, the temperature, pH and conductivity of each successive well volume removed is recorded. After 3 successive similar readings are obtained for these parameters, indicating stabilization, the ground-water sample is collected.
- The water is purged with and the sample is collected with either a dedicated stainless steel bailer or a dedicated disposable polyethylene bailer. Samples for volatile analyses are collected first, followed by any other required parameters. A minimum of one field blank is collected per sampling day by pouring distilled water or deionized water into the bailer prior to use in a well as a quality control procedure.
- All data are recorded on field sampling sheets and chain of custody forms. Samples are transported to a laboratory following appropriate documentation, preservation and chain of custody procedures.

Laboratory Analyses

The soil and/or ground-water samples are placed in clean jars supplied by the laboratory, preserved in an ice-filled cooler and shipped along with a chain of custody form via overnight courier to the laboratory. The samples are analyzed for total petroleum hydrocarbons and benzene, toluene, ethylbenzene, xylenes and methyl tertiary butyl ether by the USGS/California (modified 8015 method) or an equivalent method acceptable to the DENR.

APPENDIX III

Laboratory Analytical Report



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
 1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
 35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
 www.mvtl.com



NOV - 5 2004

Page: 1 of 1

TIM KENYON
 LEGGETTE BRASHEARS & GRAHAM INC
 140 E HINKS LN STE 126
 SIOUX FALLS SD 57104


Report Date: 31 Oct 04
 Lab Number: 04-A35449
 Work Order #:12-10316
 Account #: 019464
 Sample Matrix: GROUNDWATER
 Date Sampled: 12 Oct 04 9:03
 Date Received: 13 Oct 04 9:55

Project Name: DEZURIK LANDFILL
 Sample Description: P-13

Temp at Receipt: 6.0C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Specific Conductance	742.0	umhos/cm	0.1	SM 2510B	15 Oct 04 10:43	RBK
pH	7.3	units	1.0	SM 4500 H-B	14 Oct 04 8:30	AKF
Carbon, Total Organic	1.9	mg/L	0.5	415.1	26 Oct 04 8:00	Bis
Nitrate	5.71	mg/L as N	NA	353.2	15 Oct 04 16:04	Calculated
Fluoride	< 0.1	mg/L	0.1	SM 18th ED 4500-F C	15 Oct 04 12:52	JD
Sulfate	36.5	mg/L	4.0	375.4	16 Oct 04 13:23	DAP
Chloride	26.8	mg/L	3.0	325.2	14 Oct 04 15:55	DAP
Nitrate+Nitrite	5.71	mg/L as N	0.20	353.2	15 Oct 04 16:04	DAP
Nitrite	< 0.02	mg/L as N	0.02	EPA 353.2	13 Oct 04 18:37	DAP
Phenolics, Total	< 5	ug/L	5	420.1	18 Oct 04 4:14	JD
Cyanide, Total	< 0.02	mg/L	0.02	335.2	20 Oct 04 4:35	JD
Chemical Oxygen Demand	19	mg/L	5	410.4	14 Oct 04 9:50	JD
Solids, Total Dissolved	534	mg/L	1	SM 2540C	14 Oct 04 13:20	RMV
Calcium, Dissolved	110.0	mg/L	0.200	6010	19 Oct 04 21:29	JGS
Magnesium, Dissolved	26.70	mg/L	0.500	6010	19 Oct 04 21:29	JGS
Sodium, Dissolved	4.860	mg/L	0.500	6010	19 Oct 04 21:29	JGS
Barium, Dissolved	0.037	mg/L	0.005	6010	21 Oct 04 16:49	JGS
Chromium, Dissolved	< 0.006	mg/L	0.006	6010	21 Oct 04 16:49	JGS
Iron, Dissolved	< 0.01	mg/L	0.01	6010	21 Oct 04 16:49	JGS
Manganese, Dissolved	< 0.005	mg/L	0.005	6010	21 Oct 04 16:49	JGS
Zinc, Dissolved	< 0.01	mg/L	0.01	6010	21 Oct 04 16:49	JGS
Boron, Dissolved	< 0.1	mg/L	0.1	6010	21 Oct 04 16:49	JGS
Arsenic, Dissolved	0.52	ug/L	0.50	200.8	14 Oct 04 16:14	TB
Cadmium, Dissolved	< 0.1	ug/L	0.1	200.8	14 Oct 04 16:14	TB
Lead, Dissolved	< 0.5	ug/L	0.5	200.8	14 Oct 04 16:14	TB
Selenium, Dissolved	1.22	ug/L	0.50	200.8	14 Oct 04 16:14	TB

Approved by:


 Michael K. Grob, Inorganic/Microbiology
 Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix
 ! = Due to sample quantity

= Due to sample concentration
 + = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTl guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvttl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104

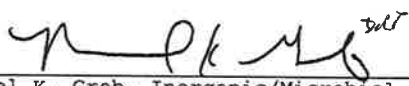
Report Date: 31 Oct 04
Lab Number: 04-A35450
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 12 Oct 04 9:55
Date Received: 13 Oct 04 9:55

Project Name: DEZURIK LANDFILL
Sample Description: P-5R

Temp at Receipt: 6.0C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Specific Conductance	1329	umhos/cm	0.1	SM 2510B	15 Oct 04 10:43	RBK
pH	7.2	units	1.0	SM 4500 H-B	14 Oct 04 8:30	AKF
Carbon, Total Organic	2.6	mg/L	0.5	415.1	26 Oct 04 8:00	Bis
Nitrate	5.08	mg/L as N	NA	353.2	15 Oct 04 16:04	Calculated
Fluoride	< 0.1	mg/L	0.1	SM 18th ED 4500-F C	15 Oct 04 12:52	JD
Sulfate	252	mg/L	4.0	375.4	16 Oct 04 13:24	DAP
Chloride	45.5	mg/L	3.0	325.2	14 Oct 04 15:55	DAP
Nitrate+Nitrite	5.10	mg/L as N	0.20	353.2	15 Oct 04 16:04	DAP
Nitrite	0.024	mg/L as N	0.020	EPA 353.2	13 Oct 04 18:37	DAP
Phenolics, Total	< 5	ug/L	5	420.1	18 Oct 04 4:14	JD
Cyanide, Total	< 0.02	mg/L	0.02	335.2	20 Oct 04 4:35	JD
Chemical Oxygen Demand	25	mg/L	5	410.4	14 Oct 04 9:50	JD
Solids, Total Dissolved	986	mg/L	1	SM 2540C	14 Oct 04 13:20	RMV
Calcium, Dissolved	183.0	mg/L	0.200	6010	19 Oct 04 21:29	JGS
Magnesium, Dissolved	53.20	mg/L	0.500	6010	19 Oct 04 21:29	JGS
Sodium, Dissolved	33.20	mg/L	0.500	6010	19 Oct 04 21:29	JGS
Barium, Dissolved	0.066	mg/L	0.005	6010	21 Oct 04 16:49	JGS
Chromium, Dissolved	< 0.006	mg/L	0.006	6010	21 Oct 04 16:49	JGS
Iron, Dissolved	< 0.01	mg/L	0.01	6010	21 Oct 04 16:49	JGS
Manganese, Dissolved	< 0.005	mg/L	0.005	6010	21 Oct 04 16:49	JGS
Zinc, Dissolved	< 0.01	mg/L	0.01	6010	21 Oct 04 16:49	JGS
Boron, Dissolved	1.54	mg/L	0.10	6010	21 Oct 04 16:49	JGS
Arsenic, Dissolved	0.77	ug/L	0.50	200.8	14 Oct 04 16:14	TB
Cadmium, Dissolved	< 0.1	ug/L	0.1	200.8	14 Oct 04 16:14	TB
Lead, Dissolved	< 0.5	ug/L	0.5	200.8	14 Oct 04 16:14	TB
Selenium, Dissolved	2.62	ug/L	0.50	200.8	14 Oct 04 16:14	TB

Approved by:


Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Levelled "Less Than Result" (<): @ = Due to sample matrix
! = Due to sample quantity

= Due to sample concentration
+ = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvtl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104


Report Date: 31 Oct 04
Lab Number: 04-A35451
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 12 Oct 04 10:39
Date Received: 13 Oct 04 9:55

Project Name: DEZURIK LANDFILL
Sample Description: P-9R

Temp at Receipt: 6.0C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Specific Conductance	1057	umhos/cm	0.1	SM 2510B	15 Oct 04 10:43	RBK
pH	6.8	units	1.0	SM 4500 H-B	14 Oct 04 8:30	AKF
Carbon, Total Organic	3.0	mg/L	0.5	415.1	26 Oct 04 8:00	Bis
Nitrate	4.98	mg/L as N	NA	353.2	15 Oct 04 16:04	Calculated
Fluoride	< 0.1	mg/L	0.1	SM 18th ED 4500-F C	15 Oct 04 12:52	JD
Sulfate	117	mg/L	4.0	375.4	16 Oct 04 13:24	DAP
Chloride	34.8	mg/L	3.0	325.2	14 Oct 04 15:55	DAP
Nitrate+Nitrite	4.98	mg/L as N	0.20	353.2	15 Oct 04 16:04	DAP
Nitrite	< 0.02	mg/L as N	0.02	EPA 353.2	13 Oct 04 18:37	DAP
Phenolics, Total	< 5	ug/L	5	420.1	18 Oct 04 4:14	JD
Cyanide, Total	< 0.02	mg/L	0.02	335.2	20 Oct 04 4:35	JD
Chemical Oxygen Demand	17	mg/L	5	410.4	14 Oct 04 9:50	JD
Solids, Total Dissolved	705	mg/L	1	SM 2540C	14 Oct 04 13:20	RMV
Calcium, Dissolved	150.0	mg/L	0.200	6010	19 Oct 04 21:29	JGS
Magnesium, Dissolved	43.30	mg/L	0.500	6010	19 Oct 04 21:29	JGS
Sodium, Dissolved	10.90	mg/L	0.500	6010	19 Oct 04 21:29	JGS
Barium, Dissolved	0.073	mg/L	0.005	6010	21 Oct 04 16:49	JGS
Chromium, Dissolved	< 0.006	mg/L	0.006	6010	21 Oct 04 16:49	JGS
Iron, Dissolved	< 0.01	mg/L	0.01	6010	21 Oct 04 16:49	JGS
Manganese, Dissolved	0.031	mg/L	0.005	6010	21 Oct 04 16:49	JGS
Zinc, Dissolved	< 0.01	mg/L	0.01	6010	21 Oct 04 16:49	JGS
Boron, Dissolved	< 0.1	mg/L	0.1	6010	21 Oct 04 16:49	JGS
Arsenic, Dissolved	< 0.5	ug/L	0.5	200.8	14 Oct 04 16:14	TB
Cadmium, Dissolved	0.10	ug/L	0.10	200.8	14 Oct 04 16:14	TB
Lead, Dissolved	< 0.5	ug/L	0.5	200.8	14 Oct 04 16:14	TB
Selenium, Dissolved	2.08	ug/L	0.50	200.8	14 Oct 04 16:14	TB

Approved by:


Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Levelled "Less Than Result" (<): @ = Due to sample matrix
! = Due to sample quantity

= Due to sample concentration
+ = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVT L guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVT L to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVT L. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvtl.com



Page: 1 of 1


TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104

Report Date: 31 Oct 04
Lab Number: 04-A35452
Work Order #:12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 12 Oct 04 11:42
Date Received: 13 Oct 04 9:55

Project Name: DEZURIK LANDFILL
Sample Description: P-12R

Temp at Receipt: 6.0C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Specific Conductance	1044	umhos/cm	0.1	SM 2510B	15 Oct 04 10:43	RBK
pH	7.4	units	1.0	SM 4500 H-B	14 Oct 04 8:30	AKF
Carbon, Total Organic	2.8	mg/L	0.5	415.1	26 Oct 04 8:00	Bis
Nitrate	5.55	mg/L as N	NA	353.2	15 Oct 04 16:04	Calculated
Fluoride	< 0.1	mg/L	0.1	SM 18th ED 4500-F C	15 Oct 04 12:52	JD
Sulfate	127	mg/L	4.0	375.4	16 Oct 04 13:24	DAP
Chloride	46.7	mg/L	3.0	325.2	14 Oct 04 15:55	DAP
Nitrate+Nitrite	5.59	mg/L as N	0.20	353.2	15 Oct 04 16:04	DAP
Nitrite	0.036	mg/L as N	0.020	EPA 353.2	13 Oct 04 18:37	DAP
Phenolics, Total	< 5	ug/L	5	420.1	18 Oct 04 4:14	JD
Cyanide, Total	< 0.02	mg/L	0.02	335.2	20 Oct 04 4:35	JD
Chemical Oxygen Demand	43	mg/L	5	410.4	14 Oct 04 9:50	JD
Solids, Total Dissolved	740	mg/L	1	SM 2540C	14 Oct 04 13:20	RMV
Calcium, Dissolved	143.0	mg/L	0.200	6010	19 Oct 04 22:02	JGS
Magnesium, Dissolved	38.20	mg/L	0.500	6010	19 Oct 04 22:02	JGS
Sodium, Dissolved	22.20	mg/L	0.500	6010	19 Oct 04 22:02	JGS
Barium, Dissolved	0.063	mg/L	0.005	6010	21 Oct 04 16:49	JGS
Chromium, Dissolved	< 0.006	mg/L	0.006	6010	21 Oct 04 16:49	JGS
Iron, Dissolved	0.058	mg/L	0.010	6010	21 Oct 04 16:49	JGS
Manganese, Dissolved	0.064	mg/L	0.005	6010	21 Oct 04 16:49	JGS
Zinc, Dissolved	< 0.01	mg/L	0.01	6010	21 Oct 04 16:49	JGS
Boron, Dissolved	< 0.1	mg/L	0.1	6010	21 Oct 04 16:49	JGS
Arsenic, Dissolved	< 0.5	ug/L	0.5	200.8	14 Oct 04 16:14	TB
Cadmium, Dissolved	< 0.1	ug/L	0.1	200.8	14 Oct 04 16:14	TB
Lead, Dissolved	< 0.5	ug/L	0.5	200.8	14 Oct 04 16:14	TB
Selenium, Dissolved	3.20	ug/L	0.50	200.8	14 Oct 04 16:14	TB

Approved by: 
Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix # = Due to sample concentration
! = Due to sample quantity + = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
 1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
 35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
 www.mvttl.com



Page: 1 of 1

TIM KENYON
 LEGGETTE BRASHEARS & GRAHAM INC
 140 E HINKS LN STE 126
 SIOUX FALLS SD 57104

Report Date: 31 Oct 04
 Lab Number: 04-A35453
 Work Order #: 12-10316
 Account #: 019464
 Sample Matrix: GROUNDWATER
 Date Sampled: 12 Oct 04
 Date Received: 13 Oct 04 9:55

Project Name: DEZURIK LANDFILL
 Sample Description: DUPLICATE

Temp at Receipt: 6.0C

	As Received Result	Method	Method Reference	Date Analyzed	Analyst
Specific Conductance	741.0	umhos/cm	0.1	SM 2510B	15 Oct 04 10:43 RBK
pH	8.4	units	1.0	SM 4500 H-B	14 Oct 04 8:30 AKF
Carbon, Total Organic	3.4	mg/L	0.5	415.1	26 Oct 04 8:00 Bis
Nitrate	5.40	mg/L as N	NA	353.2	15 Oct 04 16:05 Calculated
Fluoride	< 0.1	mg/L	0.1	SM 18th ED 4500-F C	15 Oct 04 12:52 JD
Sulfate	33.6	mg/L	4.0	375.4	16 Oct 04 13:24 DAP
Chloride	26.9	mg/L	3.0	325.2	14 Oct 04 15:55 DAP
Nitrate+Nitrite	5.40	mg/L as N	0.20	353.2	15 Oct 04 16:05 DAP
Nitrite	< 0.02	mg/L as N	0.02	EPA 353.2	13 Oct 04 18:37 DAP
Phenolics, Total	< 5	ug/L	5	420.1	18 Oct 04 4:14 JD
Cyanide, Total	< 0.02	mg/L	0.02	335.2	20 Oct 04 4:35 JD
Chemical Oxygen Demand	25	mg/L	5	410.4	14 Oct 04 9:50 JD
Solids, Total Dissolved	514	mg/L	1	SM 2540C	14 Oct 04 13:20 RMV
Calcium, Dissolved	110.0	mg/L	0.200	6010	19 Oct 04 22:02 JGS
Magnesium, Dissolved	26.50	mg/L	0.500	6010	19 Oct 04 22:02 JGS
Sodium, Dissolved	4.870	mg/L	0.500	6010	19 Oct 04 22:02 JGS
Barium, Dissolved	0.037	mg/L	0.005	6010	21 Oct 04 16:49 JGS
Chromium, Dissolved	< 0.006	mg/L	0.006	6010	21 Oct 04 16:49 JGS
Iron, Dissolved	< 0.01	mg/L	0.01	6010	21 Oct 04 16:49 JGS
Manganese, Dissolved	< 0.005	mg/L	0.005	6010	21 Oct 04 16:49 JGS
Zinc, Dissolved	< 0.01	mg/L	0.01	6010	21 Oct 04 16:49 JGS
Boron, Dissolved	< 0.1	mg/L	0.1	6010	21 Oct 04 16:49 JGS
Arsenic, Dissolved	0.50	ug/L	0.50	200.8	14 Oct 04 16:14 TB
Cadmium, Dissolved	< 0.1	ug/L	0.1	200.8	14 Oct 04 16:14 TB
Lead, Dissolved	< 0.5	ug/L	0.5	200.8	14 Oct 04 16:14 TB
Selenium, Dissolved	1.27	ug/L	0.50	200.8	14 Oct 04 16:14 TB

Approved by:


 Michael K. Grob, Inorganic/Microbiology
 Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix
 ! = Due to sample quantity

= Due to sample concentration
 + = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvtl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104

Report Date: 31 Oct 04
Lab Number: 04-A35454
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 11 Oct 04 14:45
Date Received: 13 Oct 04 9:55

Project Name: DEZURIK LANDFILL
Sample Description: MW-5

Temp at Receipt: 6.0C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Boron, Dissolved	< 0.1	mg/L	0.1	6010	21 Oct 04 16:49	JGS

Approved by:

Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix
! = Due to sample quantity

= Due to sample concentration
+ = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTl guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvtl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104

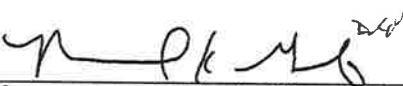
Report Date: 31 Oct 04
Lab Number: 04-A35455
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 12 Oct 04 10:39
Date Received: 13 Oct 04 9:55

Project Name: DEZURIK LANDFILL
Sample Description: P-9R

Temp at Receipt: 6.0C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Boron, Dissolved	< 0.1	mg/L	0.1	6010	21 Oct 04 16:49	JGS

Approved by:


Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix
! = Due to sample quantity

= Due to sample concentration
+ = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvttl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104

Report Date: 31 Oct 04
Lab Number: 04-A35456
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 12 Oct 04 12:47
Date Received: 13 Oct 04 9:55

Project Name: DEZURIK LANDFILL
Sample Description: P-7

Temp at Receipt: 6.0C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Boron, Dissolved	0.24	mg/L	0.10	6010	21 Oct 04 16:49	JGS

Approved by:

Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix
! = Due to sample quantity

= Due to sample concentration
+ = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVT L guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvttl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104

Report Date: 31 Oct 04
Lab Number: 04-A35457
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 12 Oct 04 13:25
Date Received: 13 Oct 04 9:55

Temp at Receipt: 6.0C

Project Name: DEZURIK LANDFILL
Sample Description: P-5A

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Boron, Dissolved	1.10	mg/L	0.10	6010	21 Oct 04 16:49	JGS

Approved by:

Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix
! = Due to sample quantity

= Due to sample concentration
+ = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTl guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvttl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104


Report Date: 31 Oct 04
Lab Number: 04-A35458
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 12 Oct 04 14:21
Date Received: 13 Oct 04 9:55

Project Name: DEZURIK LANDFILL
Sample Description: P-11A

Temp at Receipt: 6.0C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Boron, Dissolved	6.85	mg/L	0.10	6010	21 Oct 04 17:26	JGS

Approved by:


Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix
! = Due to sample quantity

= Due to sample concentration
+ = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvtl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104

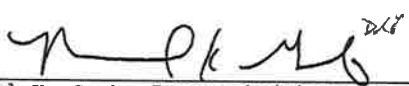
Report Date: 31 Oct 04
Lab Number: 04-A35459
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 12 Oct 04 15:36
Date Received: 13 Oct 04 9:55

Temp at Receipt: 6.0C

Project Name: DEZURIK LANDFILL
Sample Description: P-6

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Boron, Dissolved	< 0.1	mg/L	0.1	6010	21 Oct 04 17:26	JGS

Approved by:


Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix
! = Due to sample quantity

= Due to sample concentration
+ = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvtl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104


Report Date: 31 Oct 04
Lab Number: 04-A35622
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 12 Oct 04 15:15
Date Received: 14 Oct 04 10:10

Project Name: DEZURIK LANDFILL
Sample Description: PW-0

Temp at Receipt: 4.0C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Boron, Dissolved	0.95	mg/L	0.10	6010	21 Oct 04 17:26	JGS

Approved by:


Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix
! = Due to sample quantity

= Due to sample concentration
+ = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvtl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104

Report Date: 31 Oct 04
Lab Number: 04-A35623
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 13 Oct 04 9:40
Date Received: 14 Oct 04 10:10

Project Name: DEZURIK LANDFILL
Sample Description: P-10

Temp at Receipt: 4.0C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Boron, Dissolved	0.13	mg/L	0.10	6010	21 Oct 04 17:26	JGS

Approved by:

Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix
! = Due to sample quantity

= Due to sample concentration
+ = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvtl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104

Report Date: 31 Oct 04
Lab Number: 04-A35624
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 13 Oct 04 10:04
Date Received: 14 Oct 04 10:10

Project Name: DEZURIK LANDFILL
Sample Description: P-4

Temp at Receipt: 4.0C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Boron, Dissolved	< 0.1	mg/L	0.1	6010	21 Oct 04 18:04	JGS

Approved by:

Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix
! = Due to sample quantity

= Due to sample concentration
+ = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTl guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvtl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104

Report Date: 31 Oct 04
Lab Number: 04-A35625
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 13 Oct 04 11:08
Date Received: 14 Oct 04 10:10

Project Name: DEZURIK LANDFILL
Sample Description: P-8B

Temp at Receipt: 4.0C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Boron, Dissolved	< 0.1	mg/L	0.1	6010	21 Oct 04 18:04	JGS

Approved by:


Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix # = Due to sample concentration
! = Due to sample quantity + = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTl guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
35 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.mvttl.com



Page: 1 of 1

TIM KENYON
LEGGETTE BRASHEARS & GRAHAM INC
140 E HINKS LN STE 126
SIOUX FALLS SD 57104

Report Date: 31 Oct 04
Lab Number: 04-A35626
Work Order #: 12-10316
Account #: 019464
Sample Matrix: GROUNDWATER
Date Sampled: 13 Oct 04 11:38
Date Received: 14 Oct 04 10:10

Temp at Receipt: 4.0C

Project Name: DEZURIK LANDFILL
Sample Description: P-8A

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Boron, Dissolved	< 0.1	mg/L	0.1	6010	21 Oct 04 18:04	JGS

Approved by:

Michael K. Grob, Inorganic/Microbiology
Laboratory Manager New Ulm, MN

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix
! = Due to sample quantity

= Due to sample concentration
+ = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER

12-10316

CHAIN OF CUSTODY RECORD

PROJECT NAME		CLIENT NAME		LABORATORY NAME:			
DEZURIK LANDFILL		DEZURIK		MUTL			
SAMPLERS: (Signature)							
SAMPLE NO.	DATE	TIME	COMP	GRAB	SAMPLE LOCATIONS	NO. OF CON-TAINERS	REMARKS
	10/20/04	903	✓	✓	P-13	6	A35449
		955	✓	✓	P-5R	6	50
		1039	✓	✓	P-9R	6	51
		1142	✓	✓	P-12R	6	52
			✓	✓	DUPLICATE	6	53
RELINQUISHED BY: (Signature)		DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
			10/20/04 1640	FED EX 8457 0464 3160			
RELINQUISHED BY: (Signature)		DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	REPORT TO:	
						77M KENYON - LBG	
RELINQUISHED BY: (Signature)		DATE/TIME	RECEIVED FOR LABORATORY BY: (Signature)	DATE/TIME	REMARKS / BILLING INFORMATION:	DATE/TIME	
		FED EX 8457 0464 3160	Mary D. Hade	9:55 10:55	LBLS TIM KENYON 1113 EAST 14th ST. SIOUX FALLS, SD 57104 (605)-334-6000		


LEGGETTE, BRASHEARS & GRAHAM, INC.
 8 PINE TREE DRIVE, Suite 250
 ST. PAUL, MINNESOTA 55112
 (651) 490-1405



CHAIN OF CUSTODY RECORD

PROJECT NAME		CLIENT NAME		LABORATORY NAME:			
DEZURIK LANDFILL		DEZURIK		MUTL			
SAMPLERS: (Signature)				REMARKS			
SAMPLE NO.	DATE	TIME	GRAM	CON	LOCATIONS	NO. OF CON-TAINERS	REMARKS
	10/11/04	1446	✓		MW-5	1	A35454
	10/20/04	10:39	✓		P-9R	1	55
	1247		✓		P-7	1	56
	1325		✓		P-5A	1	57
	1421		✓		P-11A	1	58
	1536		✓		P-6	1	59
<div style="border: 1px solid black; padding: 5px; display: inline-block; transform: rotate(-45deg); font-size: small;"> DISPOSED BORON </div>							EXTRACT THE BORON SAMPLE FROM THE SARTELL DISS. METAL BOTTLE BUT REPORT UNDER DEZURIK CHARGE TO DEZURIK
RELINQUISHED BY:		DATE/TIME		RECEIVED BY: (Signature)		RELINQUISHED BY:	
(Signature)		10/20/04 640		FE0784570464 3170		(Signature)	
RELINQUISHED BY:		DATE/TIME		RECEIVED BY: (Signature)		REPORT TO:	
(Signature)				Mary J. Lade		TIM KENYON - LBG	
RELINQUISHED BY:		DATE/TIME		RECEIVED FOR LABORATORY BY:		REMARKS/BILLING INFORMATION:	
(Signature)		10/20/04 9:55		Mary J. Lade		LEGGETTE, BRASHEARS & GRAHAM FAX, TIM KENYON 1113 EAST 14TH ST. SIOUX FALLS SD 57104 1-605-334-6000	

LEGGETTE, BRASHEARS & GRAHAM, INC.
 8 PINETREE DRIVE SUITE 252
 ST. PAUL, MINNESOTA 55112
 (651) 490-1405



1/5/02

CHAIN OF CUSTODY RECORD

PROJECT NAME		CLIENT NAME		LABORATORY NAME:						
DEZURIK LANDFILL		DEZURIK		MVTL						
SAMPLERS: (Signature)				REMARKS						
SAMPLE NO.	DATE	TIME	COM	GRAB	SAMPLE LOCATIONS	NO. OF CON-TAINERS	DISCLOSED BELOW	DATE/TIME RECEIVED BY: (Signature)	DATE/TIME RECEIVED BY: (Signature)	
	10-12-04	1515	✓		PW-0	1				
	10-13-04	940	✓		P-10	1				
	10-04		✓		P-4	1				
	11-08		✓		P-8B	1				
	11-38		✓		P-8A	1				
RELINQUISHED BY: (Signature)				DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)		DATE/TIME RECEIVED BY: (Signature)
				10/30/1400	FEDX 84570464 3159					
RELINQUISHED BY: (Signature)				DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME	RECEIVED FOR LABORATORY BY: (Signature)	REPORT TO:		
							J. Kellman	TIM KENYON		
RELINQUISHED BY: (Signature)				DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME	RECEIVED FOR LABORATORY BY: (Signature)	REMARKS/BILLING INFORMATION:		
								LBC TIM KENYON 1113 EAST 14th ST. SIOUX FALLS SD 57104 1-605-334-6000		
LEGGETTE, BRASHEARS & GRAHAM, INC.				8 PINE TREE DRIVE SUITE 250		40				
ST. PAUL, MINNESOTA 55112				(651) 490-1405						