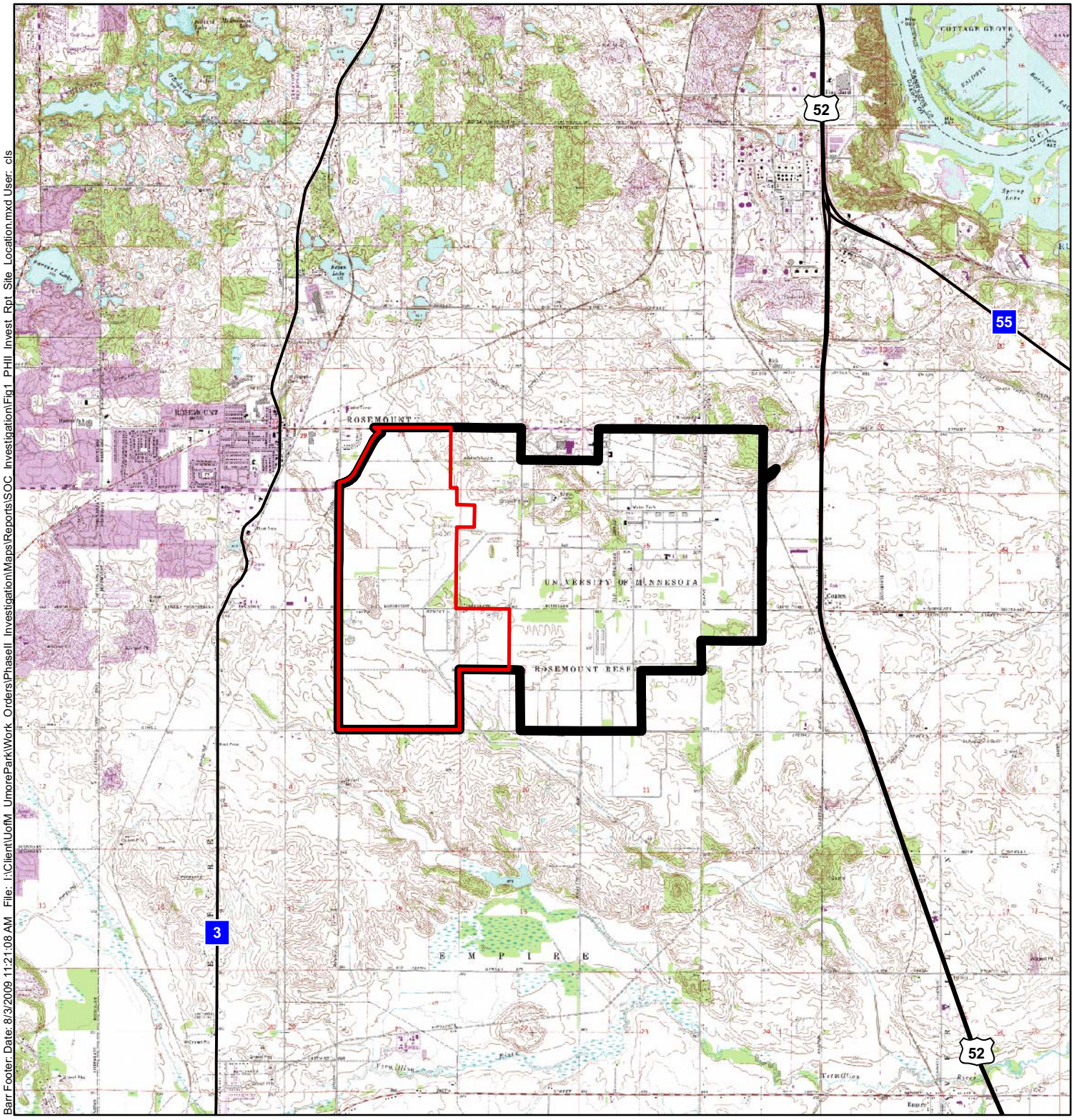
Figures



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UMore Mining Area (UMA)

UMore Park Boundary

Figure 1

SITE LOCATION

Phase II Investigation Report
Sites of Concern 1-3 and 6-8
UMore Mining Area
Dakota County, MN

N

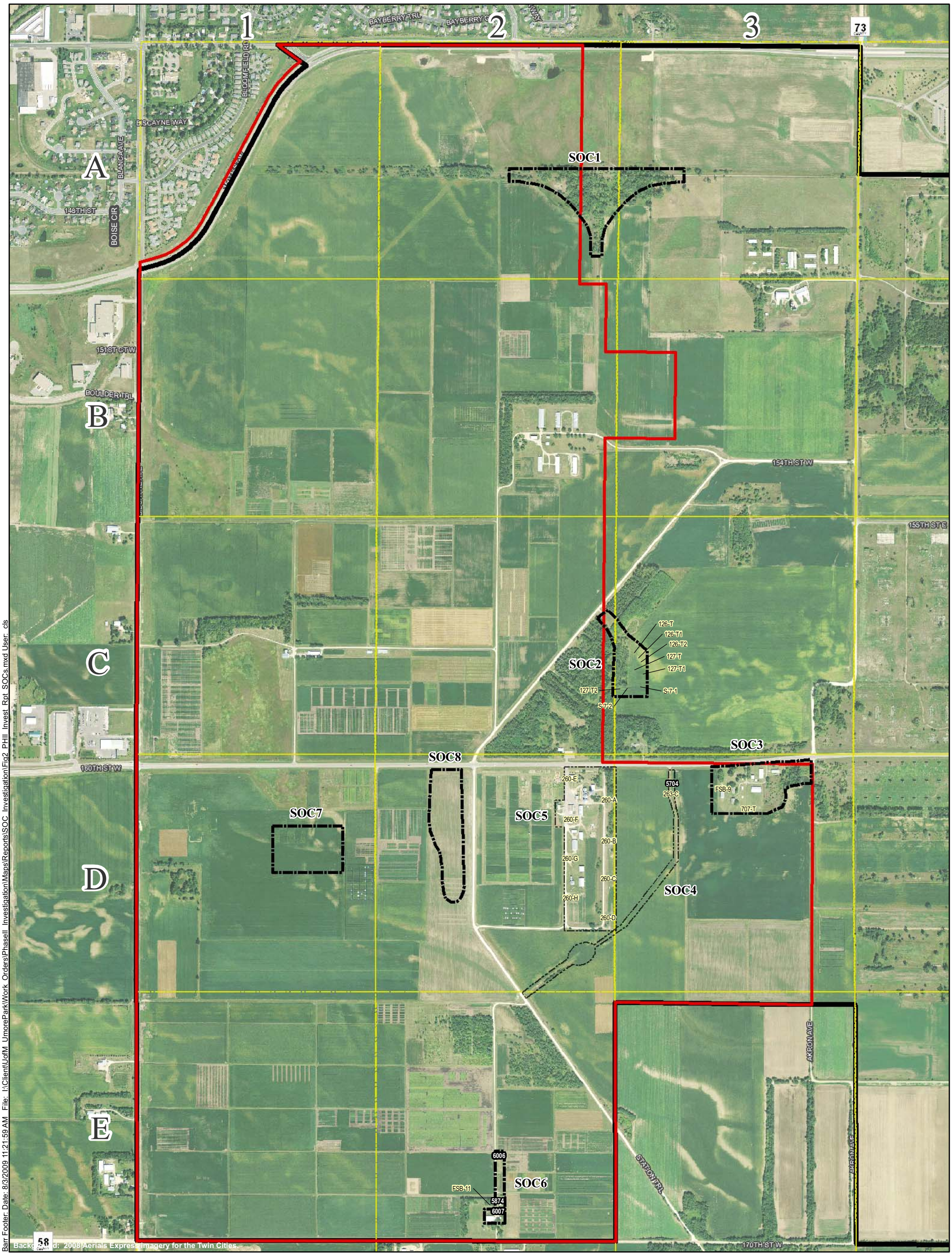
Feet

6,000 0 6,000

Source: MnDOT, MN DNR, Dakota County, Barr, James R. Hill, HKGi. USGS topographic map background downloaded from the U.S. Department of Agriculture, Natural Resources Conservation Service.

BARR

UMP007245



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UMore Mining Area (UMA)

UMore Park Boundary

Site of Concern (SOC) Boundary

260-H GOW-Era Building Name

5152 Previously Mapped and Evaluated Site Number

SOC1 Former Railroad "Y"
SOC2 Forestry Research/Former GOW Storage
SOC3 Ag. Engineering/K Street Dump
SOC4 Former DNT Platform and AOC 3-DA1
SOC5 Central Services/Former DNT Bunkers (AOC 5)
SOC6 Southern Complex Storage Buildings and Wash Pads
SOC7 Susp. Disposal Area
SOC8 Undet. Use Area

Source: Dakota County, Barr, James R. Hill, HKGi.

N

Feet

1,000 0 1,000

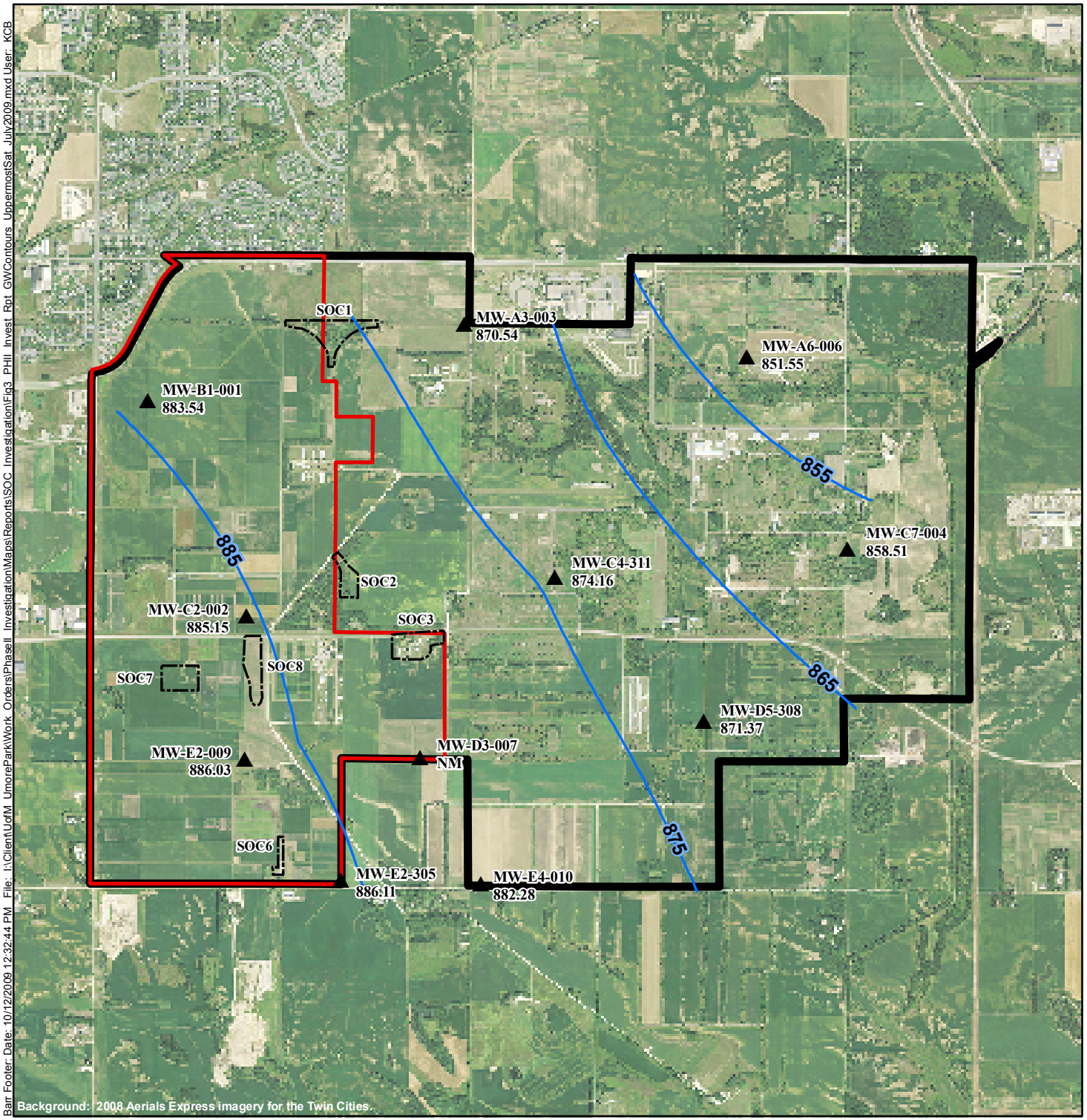
Figure 2

SITE MAP -
UMA/SOC LOCATIONS

Phase II Investigation Report
Sites of Concern 1-3 and 6-8
UMore Mining Area
Dakota County, MN

BARR

UMP007246



874.67 Groundwater Elevation ft, msl
July 1, 2009

Monitoring Wells

Groundwater Elevation Contour

UMore Mining Area (UMA)

UMore Park Boundary

Site of Concern (SOC) Boundary

Source: Metropolitan Council, MnDOT, Dakota County, Barr, ProSource, James R. Hill, HKGi.

Water levels used for this map are from wells completed in the uppermost saturated unit and within 25 feet of the water table. Well MW-C4-311 completed in St. Peter Sandstone confined by diamicton.

N

Feet
3,000 0 3,000

Figure 3

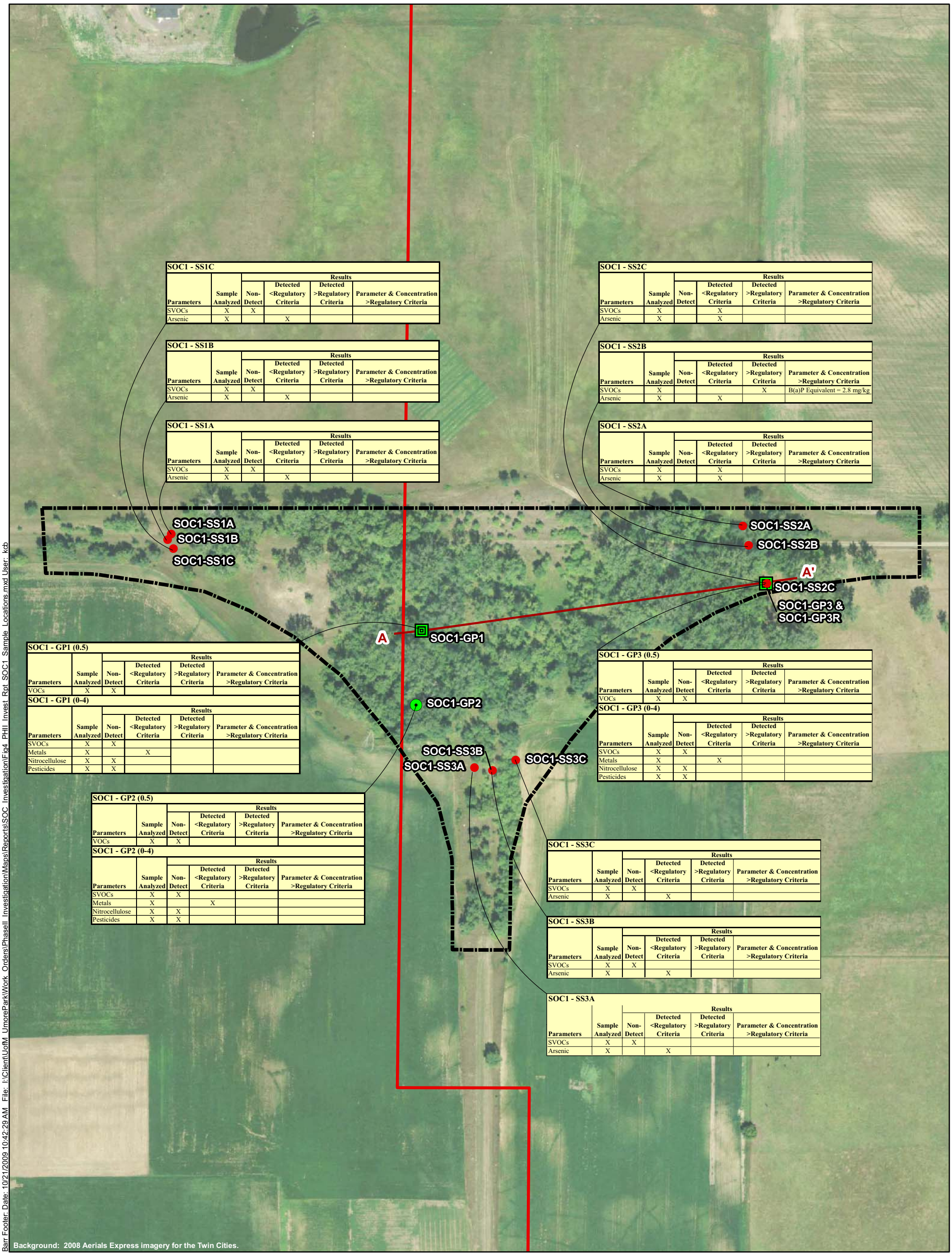
GROUNDWATER FLOW MAP
(UPPERMOST SATURATED UNIT)

Phase II Investigation Report
Sites of Concern 1-3 and 6-8
UMore Mining Area
Dakota County, MN

BARR

UMP007247

Barr Footer: Date: 10/12/2009 12:32:44 PM File: I:\Client\UofM UmoreParkWork Orders\PhaseII InvestigationMaps\Reports\SOC Investigation\Fig3 PHII Invest Rpt GWContours UppermostSat July2009.mxd User: KCB



SOC1 - SS1C

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Arsenic	X		X		

SOC1 - SS1B

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Arsenic	X		X		

SOC1 - SS1A

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Arsenic	X		X		

SOC1 - SS2C

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X		X		
Arsenic	X		X		

SOC1 - SS2B

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X			X	B(a)P Equivalent = 2.8 mg/kg
Arsenic	X		X		

SOC1 - SS2A

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X		X		
Arsenic	X		X		

SOC1 - GP1 (0.5)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			

SOC1 - GP1 (0-4)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

SOC1 - GP3 (0.5)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			

SOC1 - GP3 (0-4)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

SOC1 - GP2 (0.5)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			

SOC1 - GP2 (0-4)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

SOC1 - SS3C

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Arsenic	X		X		

SOC1 - SS3B

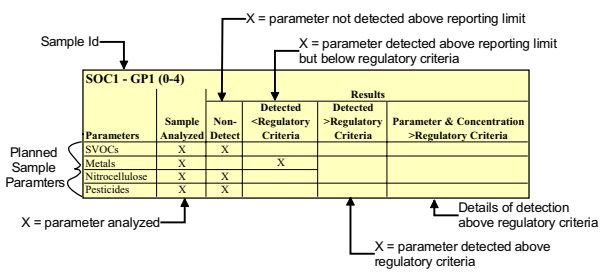
Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Arsenic	X		X		

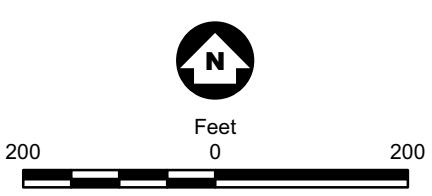
SOC1 - SS3A

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Arsenic	X		X		

UMore Mining Area (UMA)
Site of Concern (SOC) Boundary
Cross Section

GPS Sample Locations (June 2009)
- Geoprobe Boring
- Groundwater Sampling Location
- Surface Soil Sample





Source: Dakota County, Barr, James R. Hill, HKGi.

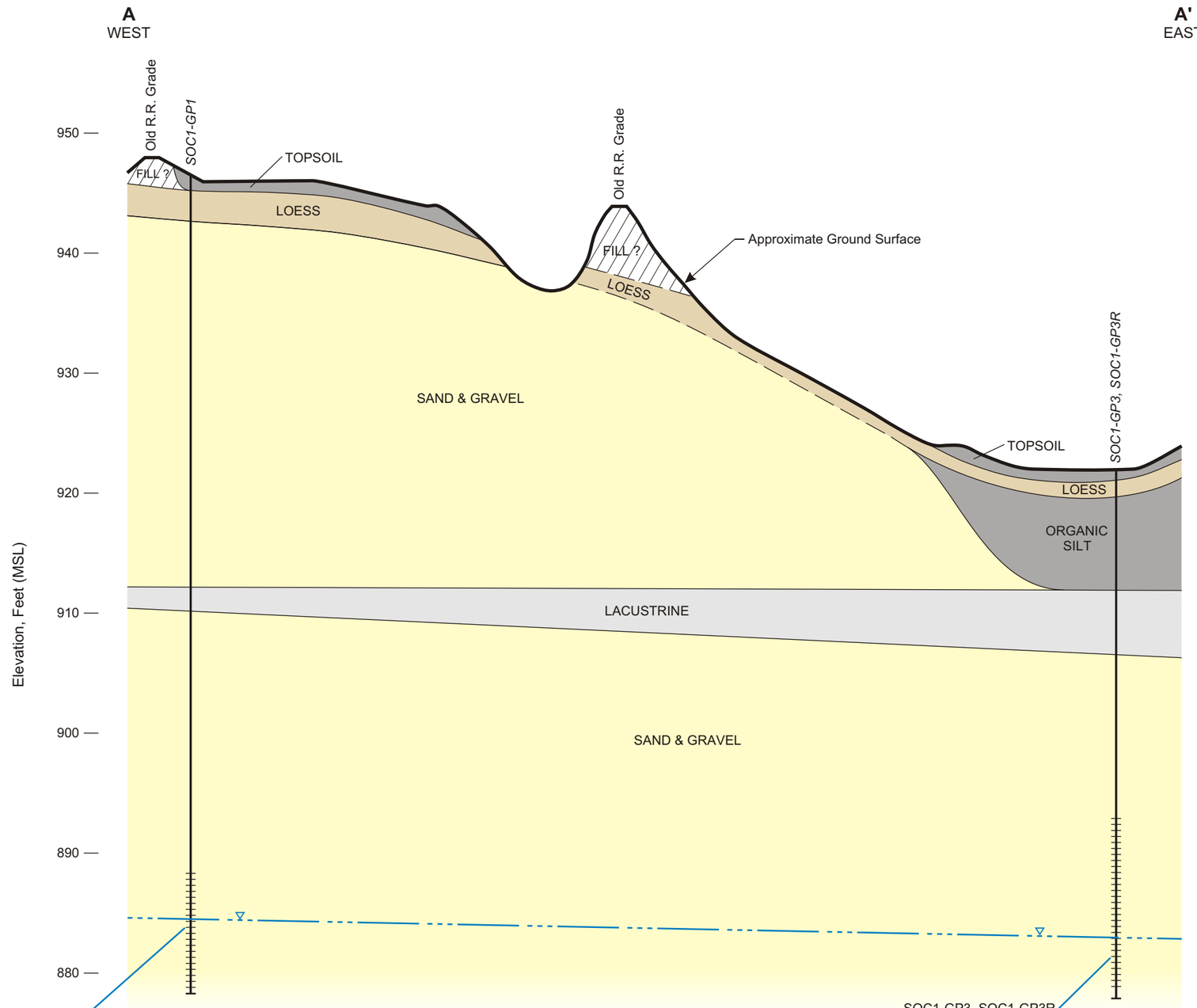
Figure 4

SOC 1- RAILROAD "Y"
SAMPLING LOCATIONS
AND SOIL RESULTS

Phase II Investigation Report
Sites of Concern 1-3 and 6-8
UMore Mining Area
Dakota County, MN

BARR

UMP007248



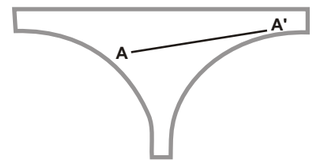
SOC1-GP1

Parameters	Sample Analyzed	GroundwaterResults			
		Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration > Regulatory Criteria
VOCs	X	X			
SVOCs	X		X		
Dissolved Metals	X	X			
Pesticides	X	X			
General Parameters	X		X		

SOC1-GP3, SOC1-GP3R

Parameters	Sample Analyzed	Groundwater Results			
		Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration > Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Dissolved Metals	X	X			
Pesticides	X	X			
General Parameters	X		X		
Perchlorate	X	X			
Nitrocellulose	X	X			

SOC1 Cross Section A-A' Location Map



Legend

- Approximate Ground Surface
- Boring and Well Screen Interval
- Approximate Water Table Surface

Notes

1. Ground Surface interpretation based on Dakota County LIDAR data.
2. Water samples collected from temporary wells on 06/08/09 and 06/09/09.

- Topsoil and Organic Silt
- Loess - Silt
- Sand & Gravel
- Glacial Diamicton - Till/Diamicton
- Lacustrine - Silt/Clay
- St. Peter Sandstone

Figure 5

CROSS SECTION A-A' (SOC1)
Phase II Investigation Report
SOCs 1-3 and 6-8
UMore Mining Area
Dakota County, Minnesota

UMP007249

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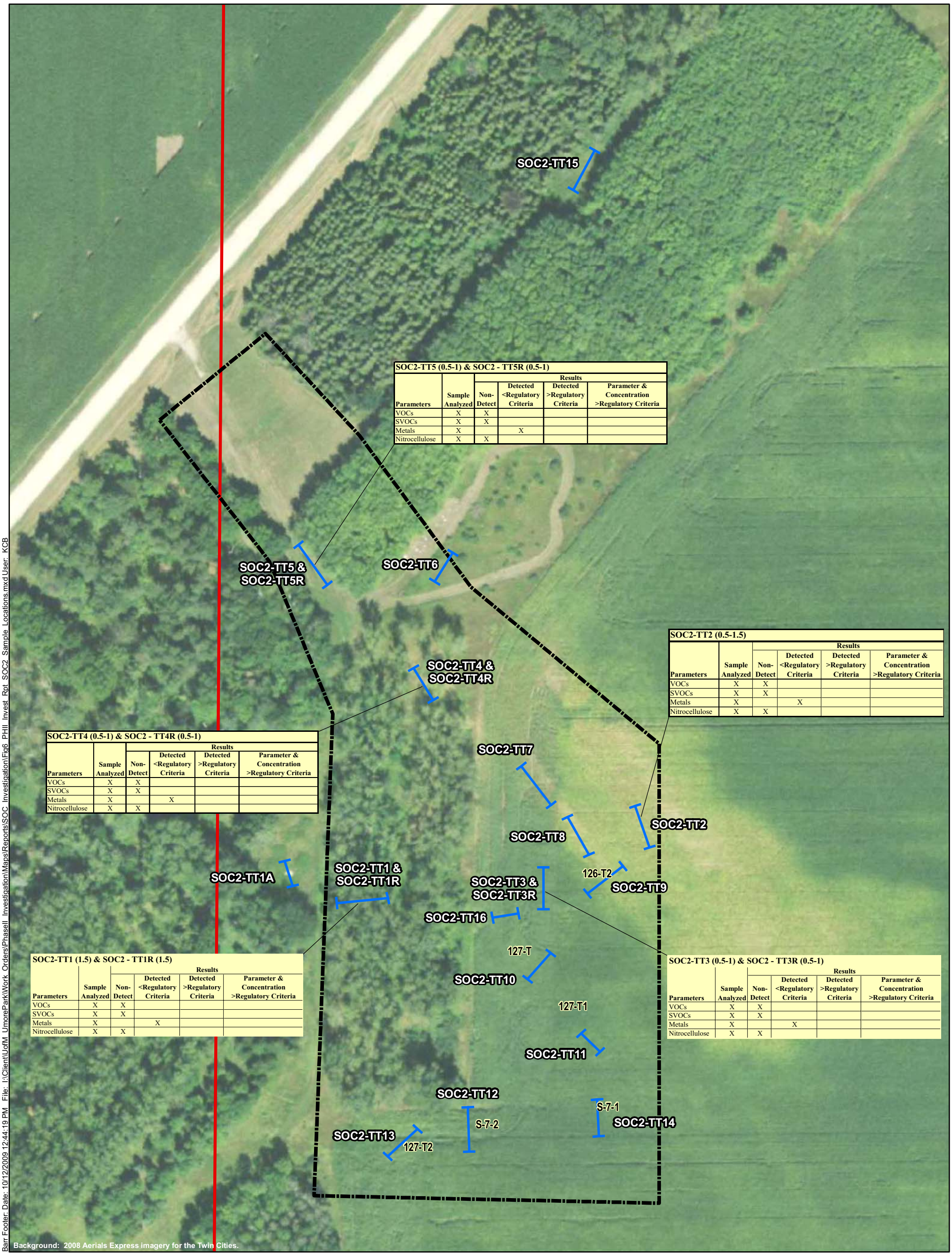


SOC2-TT5 (0.5-1) & SOC2 - TT5R (0.5-1)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			

SOC2-TT2 (0.5-1.5)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			

SOC2-TT4 (0.5-1) & SOC2 - TT4R (0.5-1)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			

SOC2-TT1 (1.5) & SOC2 - TT1R (1.5)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			

SOC2-TT3 (0.5-1) & SOC2 - TT3R (0.5-1)

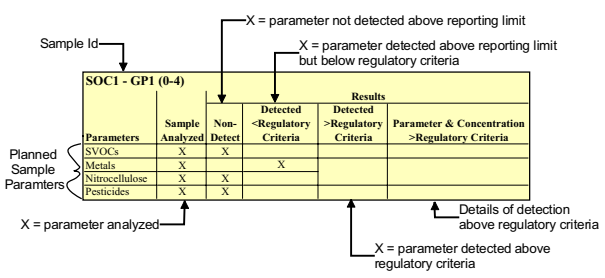
Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			

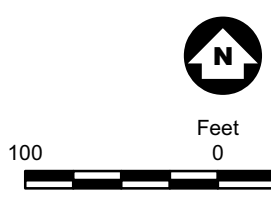
UMore Mining Area (UMA)

Site of Concern (SOC) Boundary

GPS Sample Locations (June 2009)

Test Trench





Source: Dakota County, Barr, James R. Hill, HKGi.

Figure 6

SOC 2 - FORESTRY RESEARCH/
FORMER GOW STORAGE
SAMPLING LOCATIONS
AND SOIL RESULTS

Phase II Investigation Report
Sites of Concern 1-3 and 6-8
UMore Mining Area
Dakota County, MN

BARR

UMP007250

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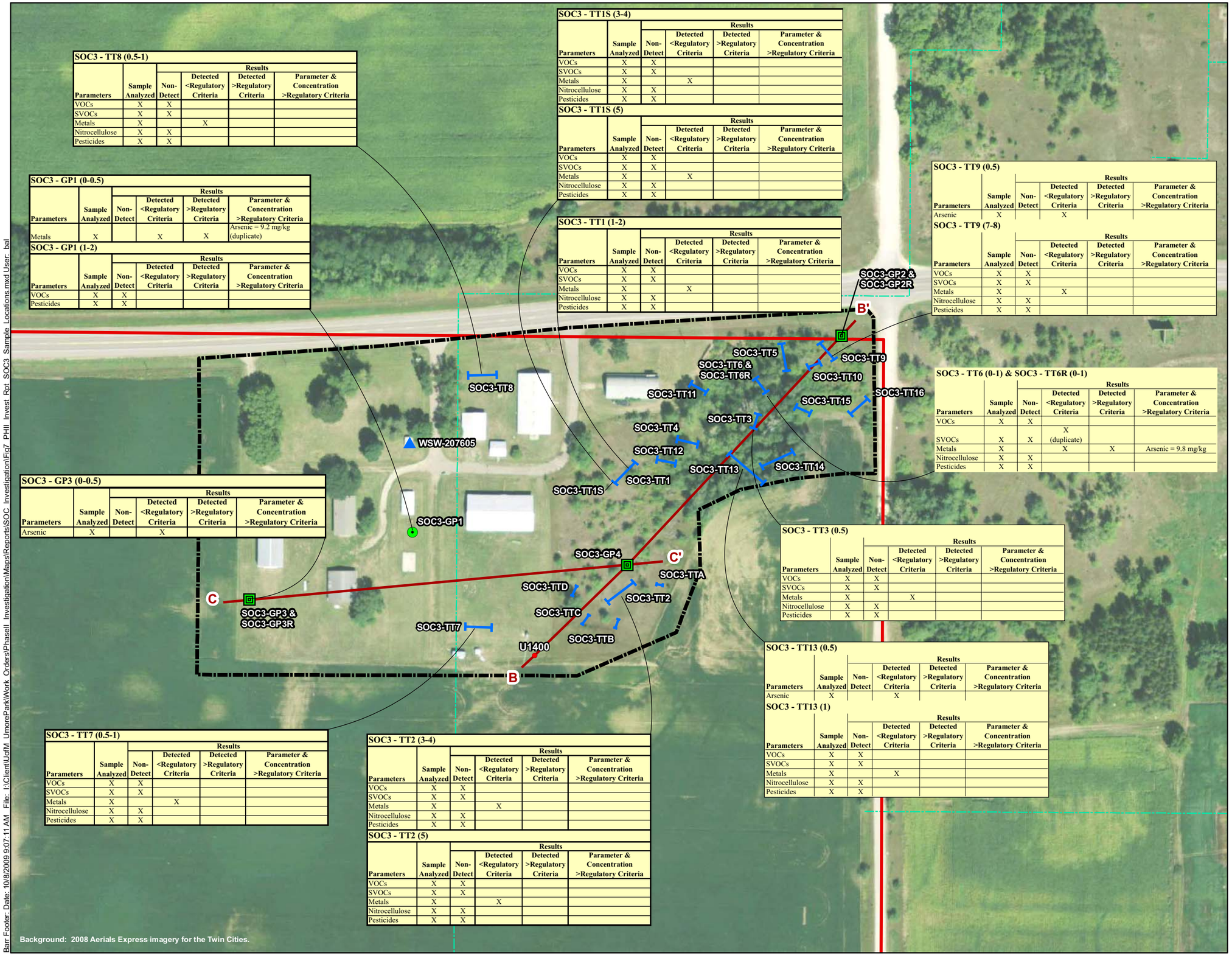


SOC3 - TT8 (0.5-1)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

SOC3 - GP1 (0-0.5)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
Metals	X		X	X	Arsenic = 9.2 mg/kg (duplicate)

SOC3 - GP1 (1-2)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
Pesticides	X	X			

SOC3 - GP3 (0-0.5)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
Arsenic	X		X		

SOC3 - TT7 (0.5-1)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

SOC3 - TT2 (3-4)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

SOC3 - TT2 (5)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

SOC3 - TT1S (3-4)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

SOC3 - TT1S (5)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

SOC3 - TT1 (1-2)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

SOC3 - TT9 (0.5)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
Arsenic	X		X		

SOC3 - TT9 (7-8)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

SOC3 - TT6 (0-1) & SOC3 - TT6R (0-1)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X	X (duplicate)		
Metals	X		X	X	Arsenic = 9.8 mg/kg
Nitrocellulose	X	X			
Pesticides	X	X			

SOC3 - TT3 (0.5)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

SOC3 - TT13 (0.5)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
Arsenic	X		X		

SOC3 - TT13 (1)

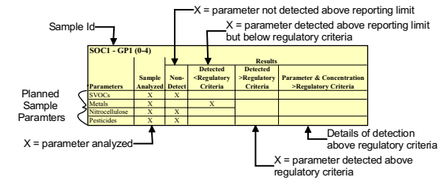
Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

UMore Mining Area (UMA)
Site of Concern (SOC) Boundary
GOW Era Sewer Line (from Dakota Co.)
Cross Section
Water Sample From Existing Well

GPS Sample Locations (June 2009)
Geoprobe Boring
Groundwater Sampling Location
Test Trench

Boring Location (ProSource, 2008)
Phase I, Auger

Source: Dakota County, Barr, James R. Hill, HKGi, ProSource.



N

Feet
150 0 150

Figure 7

SOC 3 - AGRICULTURAL ENGINEERING/ FORMER "K" STREET DUMP AREA SAMPLING LOCATIONS AND SOIL RESULTS

Phase II Investigation Report
Sites of Concern 1-3 and 6-8
UMore Mining Area
Dakota County, MN

BARR

UMP007251

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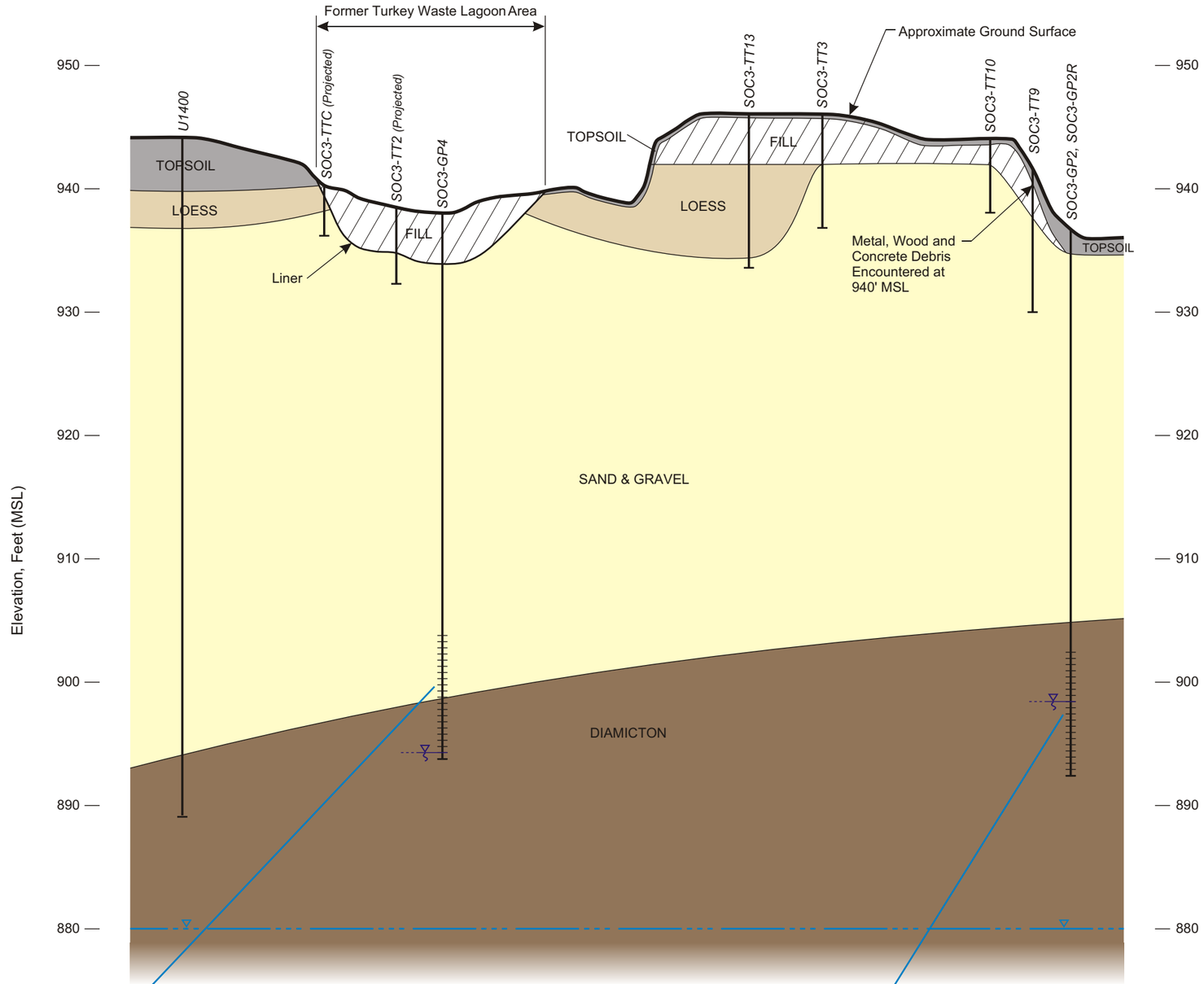


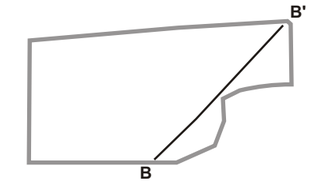
SOC3-GP4

Parameters	Sample Analyzed	Groundwater Results			
		Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration > Regulatory Criteria
VOCs	X	X			

SOC3-GP2, SOC3-GP2R

Parameters	Sample Analyzed	Groundwater Results			
		Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration > Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Dissolved Metals	X		X		
Pesticides	X	X			
General Parameters	X		X		

SOC3 Cross Section B-B' Location Map



Legend

- Approximate Ground Surface
- Boring and Well Screen Interval
- Approximate Water Table Surface Based on 07/01/09 Data
- Water level in Temporary Well

Notes

1. Ground Surface interpretation based on Dakota County LIDAR data.
2. Water samples collected from temporary wells on 06/08/09 and 06/09/09.
3. Groundwater elevations in temporary wells SOC3-GP2 and GP4 likely do not represent static water level elevations.
4. Soil descriptions for U1400 from ProSource, 2008.

- Topsoil and Organic Silt
- Loess - Silt
- Sand & Gravel
- Glacial Diamicton - Till/Diamicton
- Lacustrine - Silt/Clay
- St. Peter Sandstone

Figure 8

CROSS SECTION B-B' (SOC3)
Phase II Investigation Report
SOCs 1-3 and 6-8
UMore Mining Area
Dakota County, Minnesota

UMP007252

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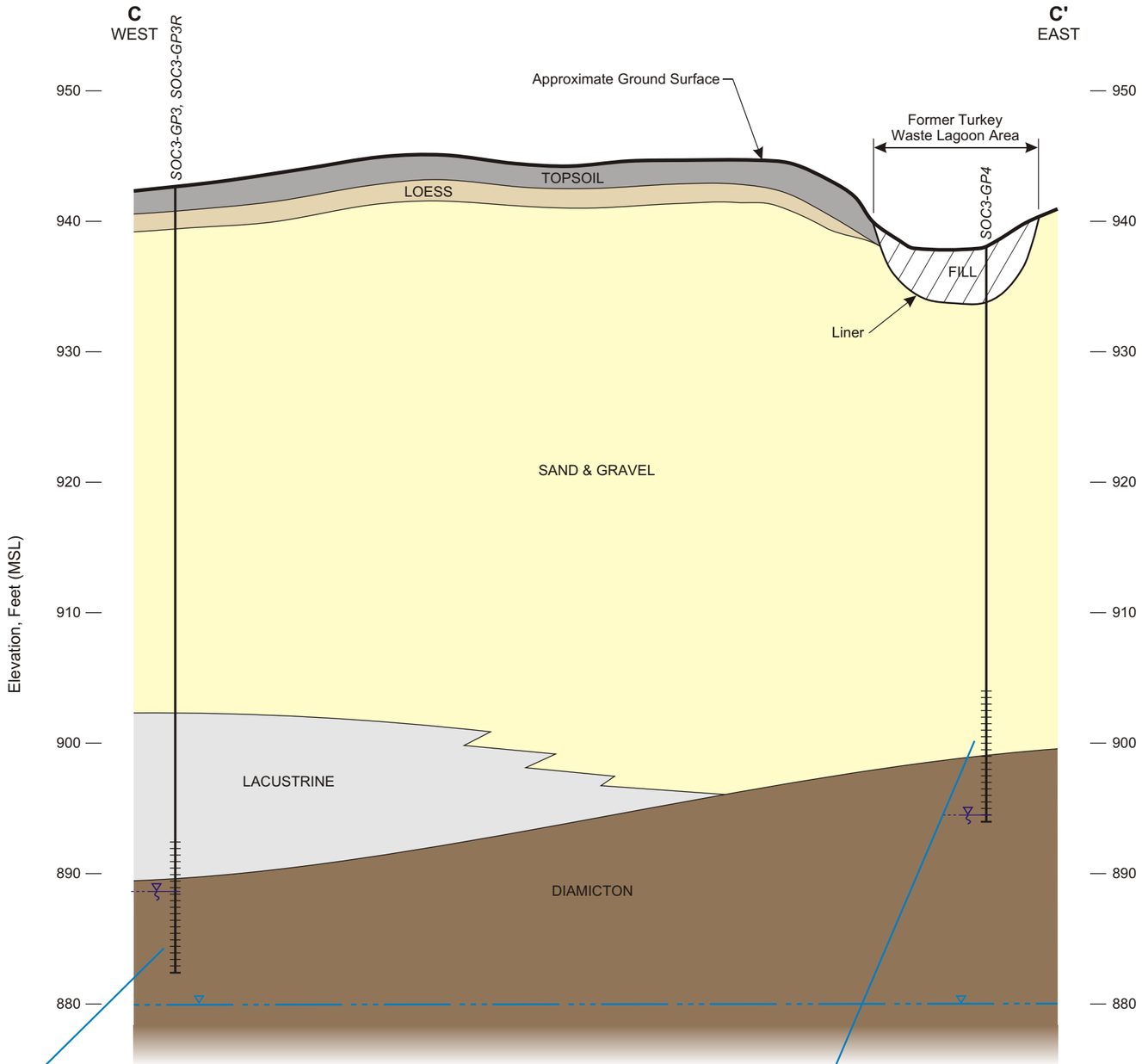


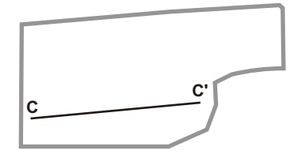
SOC3-GP3, SOC-GP3R

Parameters	Sample Analyzed	Groundwater Results			
		Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration > Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Dissolved Metals	X	X			
Pesticides	X	X			
Nitrocellulose	X	X			
General Parameters	X			X	NO_3 & NO_2 = 13.7 ug/L
Perchlorate	X	X			

SOC3-GP4

Parameters	Sample Analyzed	Groundwater Results			
		Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration > Regulatory Criteria
VOCs	X	X			

SOC3 Cross Section C-C' Location Map



Legend

- Approximate Ground Surface
- Boring and Well Screen Interval
- Approximate Water Table Surface Based on 07/01/09 Data
- Water Level in Temporary Well

Notes

1. Ground Surface interpretation based on Dakota County LIDAR data.
2. Water samples collected from temporary wells on 06/08/09 and 06/09/09.
3. Groundwater elevations in temporary wells SOC3-GP3 and GP4 likely do not represent static water level elevations.

- Topsoil and Organic Silt
- Loess - Silt
- Sand & Gravel
- Glacial Diamicton - Till/Diamicton
- Lacustrine - Silt/Clay
- St. Peter Sandstone

Figure 9

CROSS SECTION C-C' (SOC3)
Phase II Investigation Report
SOCs 1-3 and 6-8
UMore Mining Area
Dakota County, Minnesota

UMP007253

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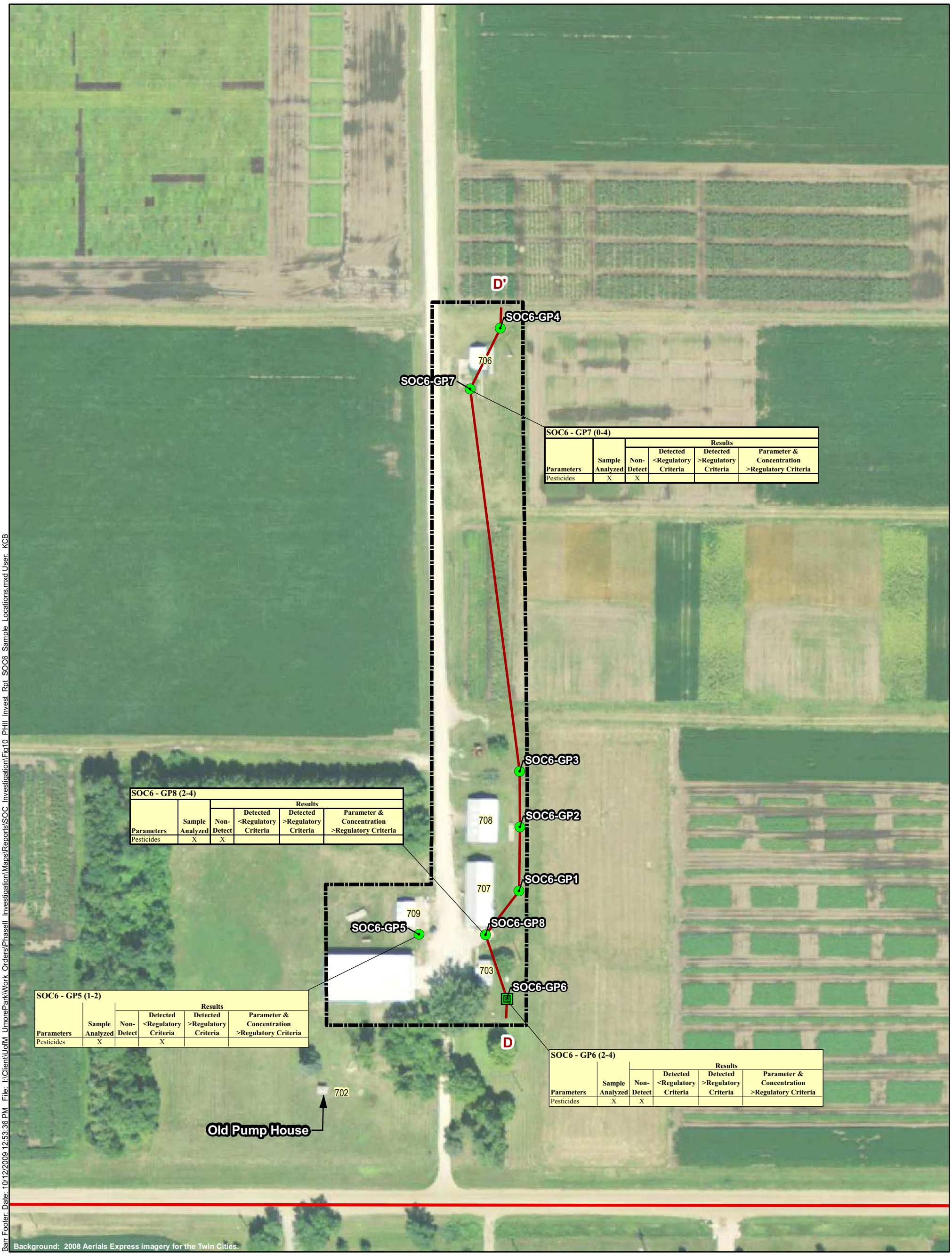

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UMore Mining Area (UMA)

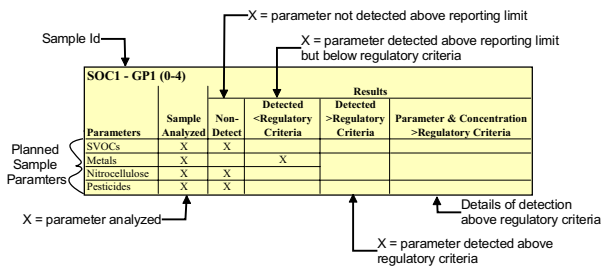
Site of Concern (SOC) Boundary

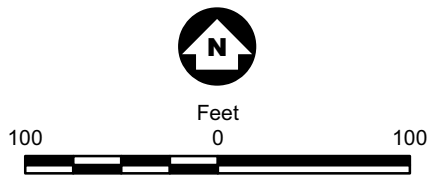
Cross Section

GPS Sample Locations (June 2009)

Geoprobe Boring

Groundwater Sampling Location





Source: Dakota County, Barr, James R. Hill, HKGi.

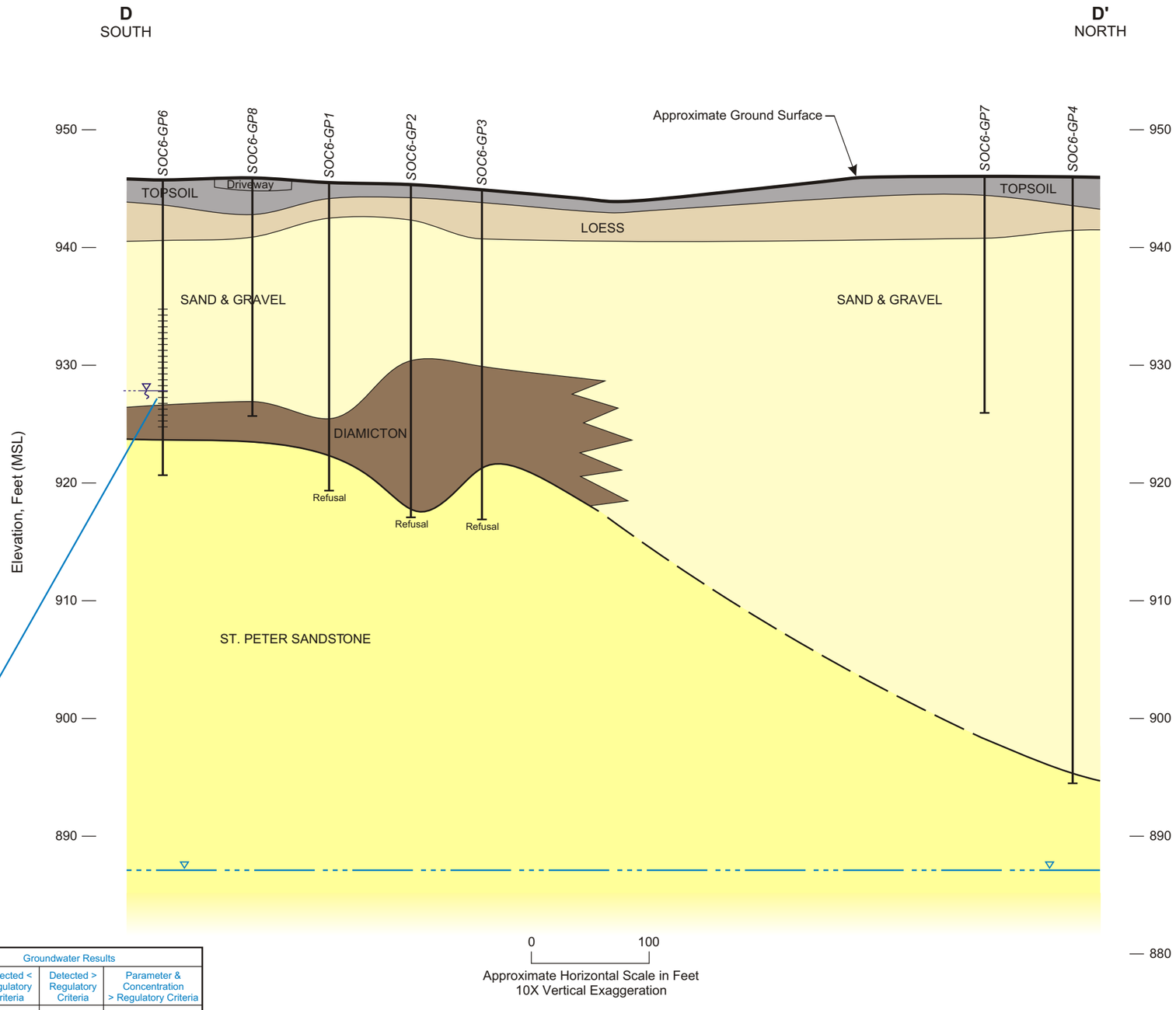
Figure 10

SOC 6 - SOUTHERN COMPLEX
STORAGE BUILDINGS AND WASH PADS
SAMPLING LOCATIONS
AND SOIL RESULTS

Phase II Investigation Report
Sites of Concern 1-3 and 6-8
UMore Mining Area
Dakota County, MN

BARR

UMP007254



SOC6-GP6

Parameters	Sample Analyzed	Groundwater Results			
		Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration > Regulatory Criteria
Pesticides	X	X			
General Parameters	X		X		

SOC6 Cross Section D-D' Location Map

Legend

- Approximate Ground Surface
- Boring and Well Screen Interval
- Approximate Water Table Surface Based on 07/01/09 Data
- Water Level in Temporary Well

Notes

1. Ground Surface interpretation based on Dakota County LIDAR data.
2. Water samples collected from temporary wells on 06/08/09.
3. Bedrock surface based on information in Groundwater Assessment Report (Barr, 2009) and soil borings from Phase II Investigation.
4. Groundwater elevations in temporary wells SOC6-GP6 likely do not represent static water level elevations.

- Topsoil and Organic Silt
- Loess - Silt
- Sand & Gravel
- Glacial Diamicton - Till/Diamicton
- Lacustrine - Silt/Clay
- St. Peter Sandstone

Figure 11

CROSS SECTION D-D' (SOC6)
Phase II Investigation Report
SOCs 1-3 and 6-8
UMore Mining Area
Dakota County, Minnesota

UMP007255

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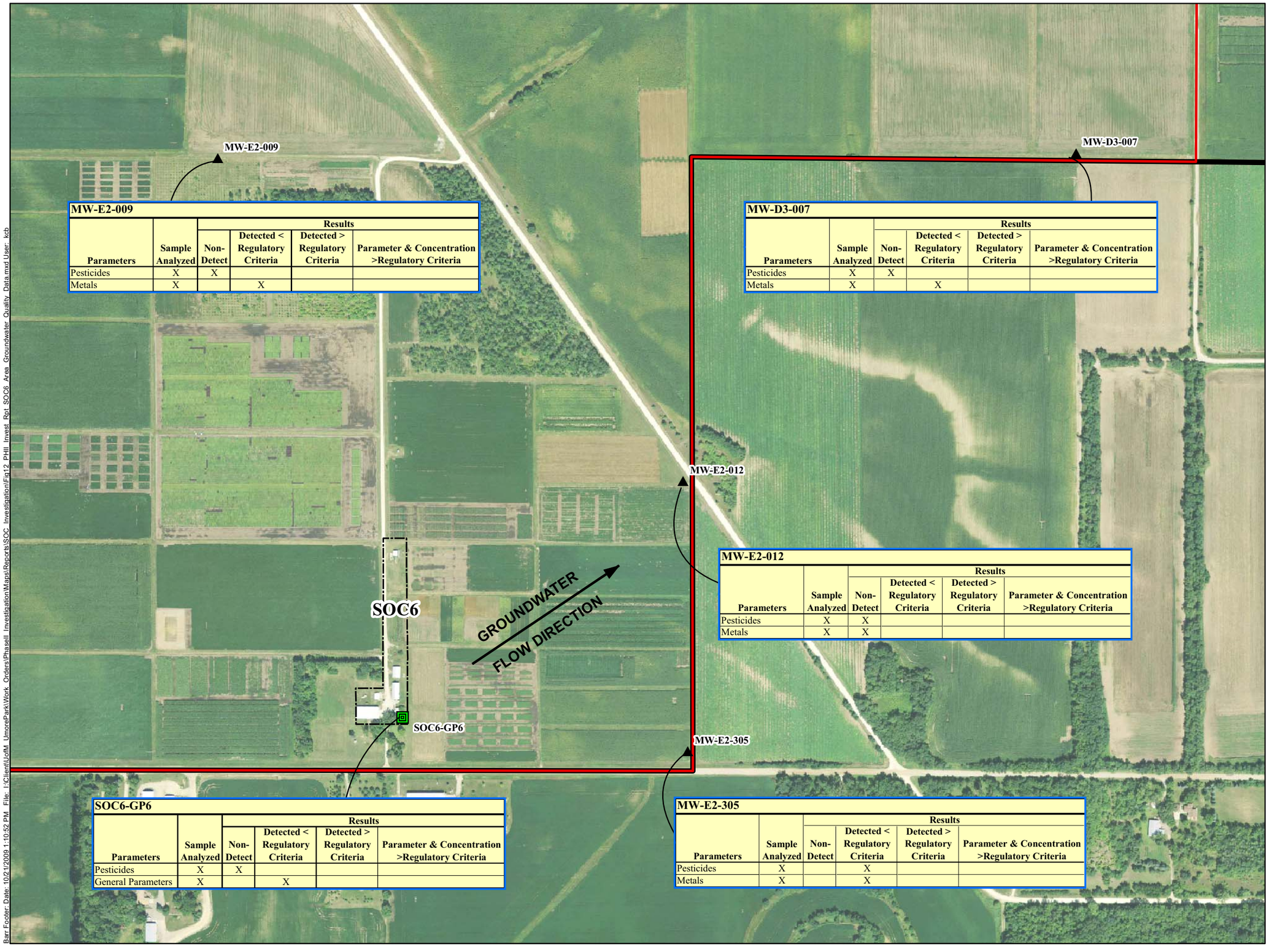

MW-E2-009

Parameters	Sample Analyzed	Results: Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
Pesticides	X	X			
Metals	X		X		

MW-D3-007

Parameters	Sample Analyzed	Results: Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
Pesticides	X	X			
Metals	X		X		

MW-E2-012

Parameters	Sample Analyzed	Results: Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
Pesticides	X	X			
Metals	X	X			

SOC6-GP6

Parameters	Sample Analyzed	Results: Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
Pesticides	X	X			
General Parameters	X		X		

MW-E2-305

Parameters	Sample Analyzed	Results: Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
Pesticides	X		X		
Metals	X		X		

- Monitoring Well
- Groundwater Sampling Location
- UMore Mining Area (UMA)
- UMore Park Boundary
- Site of Concern (SOC) Boundary

Source: Metropolitan Council, MnDOT, Dakota County, Barr, ProSource, James R. Hill, HKGi.

Feet
400 0 400

Figure 12

SOC6 AREA
GROUNDWATER QUALITY DATA

Phase II Investigation Report
Sites of Concern 1-3 and 6-8
UMore Mining Area
Dakota County, MN

BARR

UMP007256

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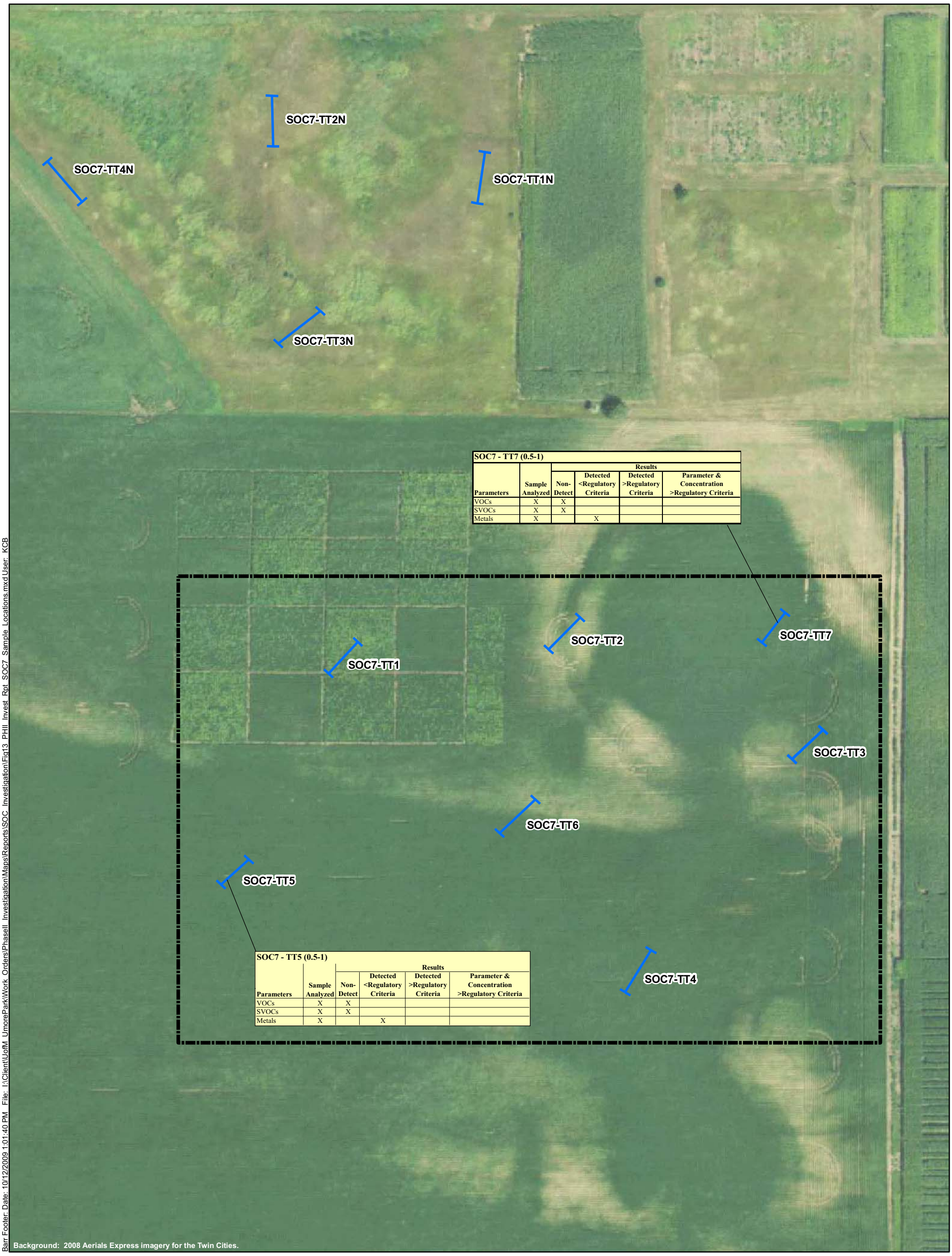
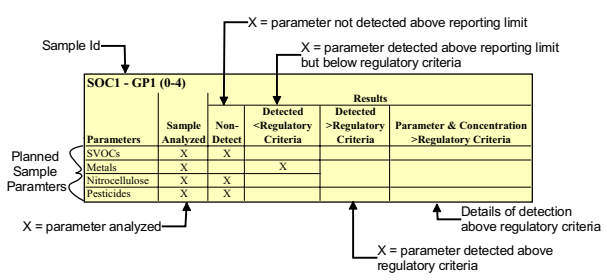
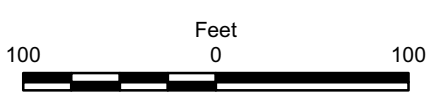


Site of Concern (SOC) Boundary

GPS Sample Locations (June 2009)

Test Trench





Source: Dakota County, Barr, James R. Hill, HKGi.

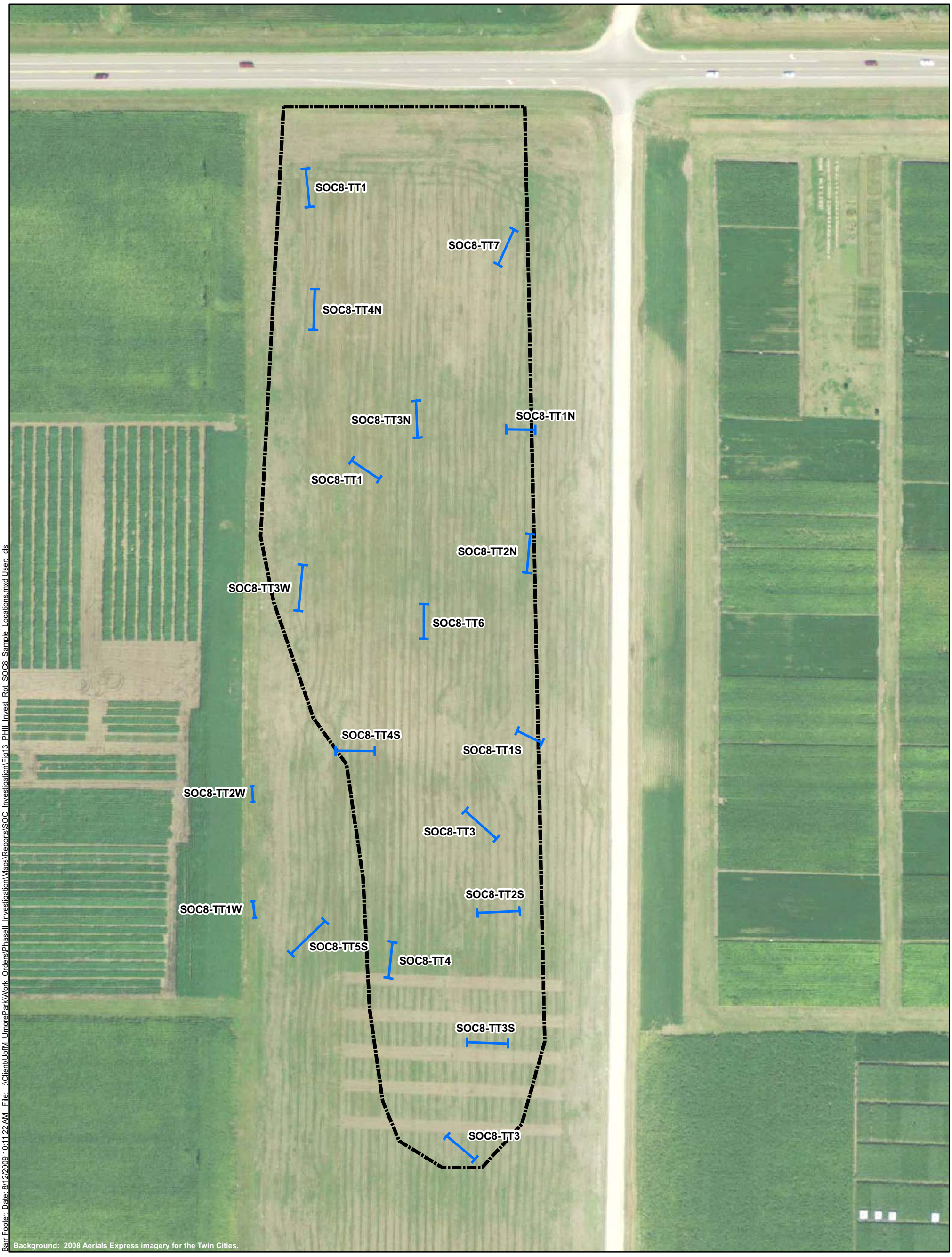
Figure 13

SOC 7 - SUSPECTED DUMP AREA
SAMPLING LOCATIONS
AND SOIL RESULTS

Phase II Investigation Report
Sites of Concern 1-3 and 6-8
UMore Mining Area
Dakota County, MN

BARR

UMP007257



Site of Concern (SOC) Boundary
GPS Sample Locations (June 2009)
Test Trench

Figure 14

SOC 8 - UNDETERMINED USE AREA
WEST OF PATROL ROAD (SOUTH OF CR 46)
TEST TRENCH LOCATIONS

Phase II Investigation Report
Sites of Concern 1-3 and 6-8
UMore Mining Area
Dakota County, MN

N

Feet
125 0 125

Source: Dakota County, Barr, James R. Hill, HKGi.

BARR

UMP007258

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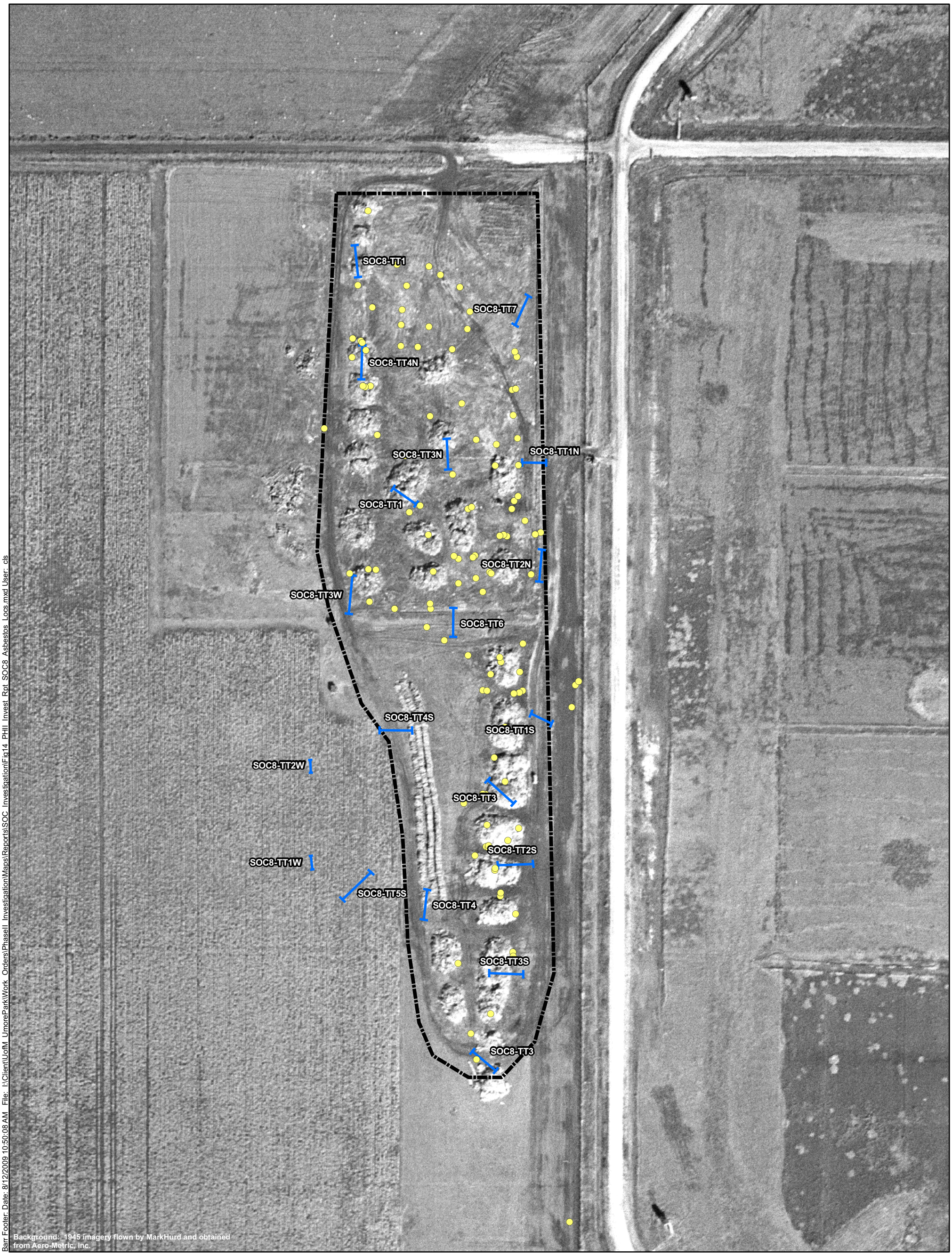

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Site of Concern (SOC) Boundary

GPS Sample Locations (June 2009)

Test Trench

Asbestos Containing Material (ACM) Location

Source: Dakota County, Barr.

N

Feet

150 0 150

Figure 15

SOC 8 - ASBESTOS CONTAINING MATERIAL (ACM) LOCATIONS

Phase II Investigation Report
Sites of Concern 1-3 and 6-8
UMore Mining Area
Dakota County, MN

BARR

UMP007259

SS1

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Metals	X		X		
Pesticides	X	X			

SS2

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Metals	X		X		
Pesticides	X			X	Terbufos = 2.3 mg/kg

SS3

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Metals	X		X		
Pesticides	X		X		

SS4

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Metals	X		X		
Pesticides	X	X			

SS5

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X		X		
Pesticides	X		X		

MW-B1-001

Parameters	Sample Analyzed	Results: Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Dissolved Metals	X	X			
Pesticides	X	X			
Nitrocellulose	X	X			
General Parameters	X		X		
Perchlorate	X	X			

MW-E2-009

Parameters	Sample Analyzed	Results: Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Dissolved Metals	X	X			
Pesticides	X	X			
Nitrocellulose	X	X			
General Parameters	X		X		
Perchlorate	X	X			

MW-E2-209

Parameters	Sample Analyzed	Results: Non-Detect	Detected < Regulatory Criteria	Detected > Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
VOCs	X	X			
SVOCs	X	X			
Dissolved Metals	X	X			
Pesticides	X	X			
Nitrocellulose	X	X			
General Parameters	X		X		
Perchlorate	X	X			

SS-1
SS-2
SS-3
SS-4
SS-5
MW-B1-001
MW-E2-009
MW-E2-209
SOC1
SOC2
SOC3
SOC6
SOC7
SOC8
BISCAYNE WAY
BLOOMFIELD RD
AAVE
BUSINESS PKY
151ST CT W
154TH ST W
AKRON AVE
STATION TRL
170TH ST W
73
58
148

Background: 2008 Aerials Expres imagery for the Twin Cities

UMore Mining Area (UMA)
Site of Concern (SOC) Boundary
Background Soil Sampling Locations
Monitoring Well Location

Sample Id
X = parameter not detected above reporting limit
X = parameter detected above reporting limit but below regulatory criteria

SOC1 - GP1 (0-4)

Parameters	Sample Analyzed	Results: Non-Detect	Detected <Regulatory Criteria	Detected >Regulatory Criteria	Parameter & Concentration >Regulatory Criteria
SVOCs	X	X			
Metals	X		X		
Nitrocellulose	X	X			
Pesticides	X	X			

Planned Sample Paramters
X = parameter analyzed
Details of detection above regulatory criteria
X = parameter detected above regulatory criteria

N
Feet
1,000 0 1,000

Source: Dakota County, Barr, James R. Hill, HKGi.

Figure 16

BACKGROUND SOIL AND GROUNDWATER SAMPLING LOCATIONS

Phase II Investigation Report
Sites of Concern 1-3 and 6-8
UMore Mining Area
Dakota County, MN

BARR

UMP007260

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Tables

Table 1
Investigation Location Summary
Phase II Investigation Report, SOCs 1-3 and 6-8
UMore Mining Area
Dakota County, Minnesota

Location Number	Coordinates[1]		Elevation[2] feet MSL	Depth feet bgs	Soil Sample Collected	Temporary Well Installed	Maximum Soil Vapor Headspace (ppm)[3]	Comment
	Northing, meter	Easting, meter						
SOC#1 Former Railroad "Y" (#6001)								
SOC1-GP1	4953492.8	492303.4	944.2	68	X	X	< 3.0	
SOC1-GP2	4953442.9	492299.5	923.9	20			< 3.0	
SOC1-GP3	4953524.7	492534.3	912.2	44	X	X	< 3.0	Location adjusted due to access issues. An additional groundwater sample (SOC1-GP3R) was collected for metals analysis from this location on 9/11/09. See Appendix A for details.
SOC1-SS1A	4953558.0	492134.6	938.5	0.5	X		< 3.0	
SOC1-SS1B	4953554.3	492132.2	942.2	0.5	X		< 3.0	
SOC1-SS1C	4953548.1	492135.9	939.8	0.5	X		< 3.0	
SOC1-SS2A	4953558.0	492134.6	924.4	0.5	X		< 3.0	
SOC1-SS2B	4953550.2	492523.9	933.7	0.5	X		< 3.0	
SOC1-SS2C	4953524.6	492536.3	912.2	0.5	X		< 3.0	
SOC1-SS3A[4]	4953400.4	492338.9	936	0.5	X		< 3.0	
SOC1-SS3B[4]	4953398.8	492351.1	936	0.5	X		< 3.0	
SOC1-SS3C[4]	4953405.5	492366.8	940	0.5	X		< 3.0	
SOC#2 Forestry Research/Former GOW Storage								
SOC2-TT1	4951896.1	492406.8	947.0	10	X		< 3.0	Test trench extended to include an area of recently placed surficial debris. An additional sample (SOC2-TT1R) was collected from this location on 9/18/09. See Appendix A for further details.
	4951897.8	492424.1	943.6					
SOC2-TT2	4951928.9	492507.5	943.4	5	X		< 3.0	
	4951914.9	492512.3	942.4					
SOC2-TT3	4951908.2	492476.5	946.9	8	X		< 3.0	An additional sample (SOC2-TT3R) was collected from this location on 9/18/09. See Appendix A for further details.
	4951894.1	492476.5	946.9					
SOC2-TT4	4951975.4	492432.7	947.6	5	X		< 3.0	An additional sample (SOC2-TT4R) was collected from this location on 9/18/09. See Appendix A for further details.
	4951964.6	492439.3	948.5					
SOC2-TT5	4952003.4	492403.6	947.8	7.5	X		< 3.0	An additional sample (SOC2-TT5R) was collected from this location on 9/18/09. See Appendix A for further details.
	4952017.0	492393.9	947.5					
SOC2-TT6	4952014.2	492446.0	946.1	8			< 3.0	Location adjusted due to proximity to beehives
	4952004.5	492439.8	946.6					
SOC2-TT7	4951942.4	492469.1	946.5	8			< 3.0	
	4951929.2	492479.1	946.1					
SOC2-TT8	4951925.2	492484.6	945.5	8			< 3.0	
	4951912.4	492491.9	944.9					
SOC2-TT9	4951908.6	492503.4	943.5	10			< 3.0	
	4951899.3	492491.3	946.1					
SOC2-TT10	4951870.5	492471.2	946.1	8			< 3.0	
	4951879.3	492479.0	946.3					
SOC2-TT11	4951852.2	492489.3	945.2	10.5			< 3.0	
	4951846.0	492495.6	945.0					
SOC2-TT12	4951812.4	492451.5	945.8	4			< 3.0	
	4951827.3	492451.0	945.5					
SOC2-TT13	4951820.0	492434.1	946.7	8			< 3.0	
	4951810.7	492424.0	947.1					
SOC2-TT14	4951829.9	492494.6	944.0	7.5			< 3.0	
	4951817.5	492495.2	944.4					
SOC2-TT15	4952136.4	492486.6	946.7	12			< 3.0	
	4952149.9	492493.8	947.5					
SOC2-TT16	4951891.2	492459.4	946.8	3			< 3.0	Test trench added in an area of recently placed surficial debris

Table 1
Investigation Location Summary
Phase II Investigation Report, SOCs 1-3 and 6-8
UMore Mining Area
Dakota County, Minnesota

Location Number	Coordinates[1]		Elevation[2] feet MSL	Depth feet bgs	Soil Sample Collected	Temporary Well Installed	Maximum Soil Vapor Headspace (ppm)[3]	Comment
	Northing, meter	Easting, meter						
SOC#3 Former "K" Street Dump Area and Ag Engineering Complex								
SOC3-GP1	4951472.2	492838.7	945.0	20			< 3.0	
SOC3-GP2	4951569.5	493051.5	936.0	44	X	X	< 3.0	Minimal groundwater above till. An additional groundwater sample (SOC3-GP2R) was collected for metals analysis from this location on 9/11/09. See Appendix A for details.
SOC3-GP3	4951438.8	492757.8	942.6	60	X	X	< 3.0	Minimal groundwater above till. An additional groundwater sample (SOC3-GP3R) was collected for metals analysis from this location on 9/11/09. See Appendix A for details.
SOC3-GP4	4951455.8	492945.2	937.8	44	X	X	< 3.0	Minimal groundwater above till
SOC3-TT1	4951496.6	492939.0	940.6	10	X		< 3.0	
	4951506.7	492949.1	939.8					
SOC3-TT2	4951437.6	492935.4	938.5	6	X		< 3.0	
	4951447.2	492948.3	939.2					
SOC3-TT3	4951523.6	493007.8	945.4	8	X		< 3.0	
	4951530.7	493010.0	945.4					
SOC3-TT4	4951518.2	492969.9	940.5	11			< 3.0	
	4951515.7	492980.1	945.8					
SOC3-TT5	4951552.2	493024.2	944.4	10			< 3.0	
	4951565.6	493021.7	940.2					
SOC3-TT6	4951541.5	493013.9	944.8	9	X		150	Elevated headspace determined to be a false positive due to lack of reproducibility. An additional sample (SOC3-TT6R) was collected from this location on 9/18/09. See Appendix A for further details.
	4951548.3	493008.8	942.1					
SOC3-TT7	4951424.9	492878.0	944.0	11	X		< 3.0	
	4951425.3	492864.9	944.2					
SOC3-TT8	4951550.2	492880.5	946.1	9	X		< 3.0	
	4951549.8	492866.3	946.0					
SOC3-TT9	4951565.9	493040.9	935.8	12	X		< 3.0	
	4951557.8	493047.8	943.0					
SOC3-TT10	4951556.1	493040.8	943.9	9			< 3.0	Minor concrete and metal debris encountered approximately 1-6 feet bgs
	4951553.9	493034.9	945.0					
SOC3-TT11	4951545.7	492976.7	941.6	7			< 3.0	
	4951541.6	492984.5	942.5					
SOC3-TT12	4951508.1	492959.9	939.6	9			< 3.0	
	4951506.2	492969.2	939.4					
SOC3-TT13	4951511.1	492995.7	945.7	12	X		< 3.0	
	4951496.7	493012.7	945.5					
SOC3-TT14	4951504.7	493011.9	945.3	14			< 3.0	
	4951511.9	493027.4	944.8					
SOC3-TT15	4951534.2	493028.8	944.5	9			< 3.0	
	4951531.1	493035.9	944.4					
SOC3-TT16	4951530.8	493055.9	943.5	8			< 3.0	
	4951538.2	493064.4	938.8					
SOC3-TTA	4951429.0	492940.8	939.8	4			< 3.0	Test trench added to further investigate limits of former lagoon
	4951424.6	492939.3	942.0					
SOC3-TTB	4951426.5	492922.9	942.2	4			< 3.0	Test trench added to further investigate limits of former lagoon
	4951431.1	492926.2	940.2					
SOC3-TTC	4951445.4	492920.1	939.9	4			< 3.0	Test trench added to further investigate limits of former lagoon
	4951440.7	492917.9	940.1					
SOC3-TTD	4951446.4	492959.7	941.9	4			< 3.0	Test trench added to further investigate limits of former lagoon
	4951445.8	492962.8	942.0					
SOC#6 Southern Complex Storage Buidlings and Wash Pads								
SOC6-GP1	4950064.6	492032.2	945.5	26			< 3.0	Refusal at 26' bgs
SOC6-GP2	4950086.2	492032.5	945.2	20			< 3.0	Refusal at 20' bgs
SOC6-GP3	4950104.9	492032.4	944.8	28			< 3.0	Refusal at 28' bgs
SOC6-GP4	4950254.2	492025.9	946.3	51.5			< 3.0	Refusal at 51.5' bgs
SOC6-GP5	4950049.9	491998.5	946.1	20			< 3.0	
SOC6-GP6	4950028.3	492028.2	945.5	25	X	X	< 3.0	Minimal groundwater above till
SOC6-GP7	4950233.8	492015.8	946.8	20			< 3.0	
SOC6-GP8	4950049.9	492020.9	946.0	20			< 3.0	
MW-E2-012	4950337.9	492396.1	945.3	70		X		Located outside of but downgradient of SOC 6

Table 1
Investigation Location Summary
Phase II Investigation Report, SOCs 1-3 and 6-8
UMore Mining Area
Dakota County, Minnesota

Location Number	Coordinates[1]		Elevation[2] feet MSL	Depth feet bgs	Soil Sample Collected	Temporary Well Installed	Maximum Soil Vapor Headspace (ppm)[3]	Comment
	Northing, meter	Easting, meter						
SOC#7 Dairy Complex Suspected Dump Area (#5152)								
SOC7-TT1	4951336.0	491313.3	953.6	6			< 3.0	
	4951325.4	491303.4	954.0					
SOC7-TT2	4951333.5	491377.6	949.8	4			< 3.0	
	4951344.2	491388.2	946.5					
SOC7-TT3	4951296.5	491459.6	945.2	6			< 3.0	
	4951306.3	491470.1	944.0					
SOC7-TT4	4951232.1	491412.1	943.0	12			< 3.0	
	4951217.9	491403.4	941.4					
SOC7-TT5	4951262.7	491276.5	949.7	8	X		< 3.0	
	4951254.3	491267.1	949.1					
SOC7-TT6	4951271.6	491361.1	951.8	6			< 3.0	
	4951282.9	491373.1	952.4					
SOC7-TT7	4951345.9	491457.3	939.7	17	X		< 3.0	
	4951335.9	491449.5	939.2					
SOC7-TT1N	4951501.2	491356.1	946.8	5.5			< 3.0	Test trench added to investigate possible area of fill
	4951483.9	491353.5	948.8					
SOC7-TT2N	4951520.2	491284.3	938.4	10			< 3.0	Test trench added to investigate possible area of fill
	4951503.1	491284.7	937.5					
SOC7-TT3N	4951436.6	491286.4	947.5	5			< 3.0	Test trench added to investigate possible area of fill
	4951447.6	491300.6	944.8					
SOC7-TT4N	4951484.4	491220.3	950.6	6			< 3.0	Test trench added to investigate possible area of fill
	4951498.0	491208.6	950.5					
SOC#8 Undetermined Use Area West of Patrol Road (South of CR 46)								
SOC8-TT1	4951507.5	491799.4	950.9	4			< 3.0	
	4951523.6	491797.7	949.9					
SOC8-TT2	4951392.7	491828.7	950.8	6			< 3.0	
	4951400.6	491817.1	951.3					
SOC8-TT3	4951253.1	491864.9	949.7	4			< 3.0	
	4951241.3	491878.1	949.5					
SOC8-TT4	4951182.5	491832.6	948.5	4			< 3.0	
	4951197.7	491834.4	948.4					
SOC8-TT5	4951116.0	491857.2	948.2	4			< 3.0	
	4951106.1	491869.0	947.9					
SOC8-TT6	4951325.5	491847.5	951.0	6			< 3.0	
	4951340.1	491847.6	950.7					
SOC8-TT7	4951497.9	491885.5	948.3	4			< 3.0	
	4951483.1	491878.8	949.3					
SOC8-TT1N	4951413.6	491894.5	950.2	6			< 3.0	Test trench added to further investigate the source of asbestos containing material (ACM) debris
	4951413.7	491882.3	950.4					
SOC8-TT2N	4951353.4	491891.0	949.8	5			< 3.0	Test trench added to further investigate the source of ACM debris
	4951369.6	491892.3	949.9					
SOC8-TT3N	4951425.7	491844.2	950.6	5			< 3.0	Test trench added to further investigate the source of ACM debris
	4951410.2	491844.9	950.5					
SOC8-TT4N	4951472.9	491801.6	951.5	5			< 3.0	Test trench added to further investigate the source of ACM debris
	4951455.7	491801.0	951.6					
SOC8-TT1S	4951286.7	491886.9	950.3	6			< 3.0	Test trench added to further investigate the source of ACM debris
	4951281.6	491897.3	949.8					
SOC8-TT2S	4951210.7	491887.9	948.7	10			< 3.0	Test trench added to further investigate the source of ACM debris
	4951210.0	491870.1	948.7					
SOC8-TT3S	4951155.5	491865.7	948.6	6			< 3.0	Test trench added to further investigate the source of ACM debris
	4951154.9	491882.9	948.4					
SOC8-TT4S	4951278.2	491826.8	950.8	5			< 3.0	Test trench added to further investigate the source of ACM debris
	4951278.3	491810.3	951.0					
SOC8-TT5S	4951192.7	491791.5	948.0	7			< 3.0	Test trench added to further investigate the source of ACM debris
	4951206.5	491805.9	948.2					
SOC8-TT1W	4951207.9	491776.3	948.1	4			< 3.0	Test trench added to further investigate the source of ACM debris
	4951214.8	491775.5	948.4					
SOC8-TT2W	4951263.3	491775.1	949.7	9			< 3.0	Test trench added to further investigate the source of ACM debris
	4951256.8	491775.5	949.5					
SOC8-TT3W	4951356.6	491796.5	951.7	8			< 3.0	Test trench added to further investigate the source of ACM debris
	4951337.2	491794.7	952.1					

Table 1
Investigation Location Summary
Phase II Investigation Report, SOCs 1-3 and 6-8
UMore Mining Area
Dakota County, Minnesota

Location Number	Coordinates[1]		Elevation[2] feet MSL	Depth feet bgs	Soil Sample Collected	Temporary Well Installed	Maximum Soil Vapor Headspace (ppm)[3]	Comment
	Northing, meter	Easting, meter						
Background Sampling								
SS1[4]	4953310.8	491604.6	952	0.5	X		< 3.0	
SS2[4]	4952824.8	491596.0	950	0.5	X		< 3.0	
SS3[4]	4952049.0	491581.9	952	0.5	X		< 3.0	
SS4[4]	4951416.7	491610.7	954	0.5	X		< 3.0	
SS5[4]	4950755.1	491700.4	946	0.5	X		< 3.0	

Notes:

[1] Northing and easting measured relative to Universal Transverse Mercator (UTM) Coordinates in meters (horizontal datum NAD 83(1996))

[2] Vertical elevation measured relative to MSL in U.S. feet (vertical datum NAVD 88)

[3] Headspace not measured above background. Result reported as less than 3 parts per million.

[4] Coordinates collected with a handheld GPS. Elevation estimated from Dakota County LIDAR survey

Blank indicates no sample or screening data collected
Soil boring and test trench logs are included in Appendix B
bgs = below ground surface
MSL = mean sea level
ppm = parts per million

Table 2
Sample Collection and Analysis Summary
Phase II Investigation SOCs 1-3 and 6-8
UMore Mining Area
Dakota County, Minnesota

Sample Name	Sample Date	Sample Matrix		Analytes										
		Soil	Water	VOCs	SVOCs	Metals [1]	Hexavalent Chromium	Arsenic	Perchlorate	Nitrocellulose	Nitrogen [2]	OC Pesticides [3]	List 1&2 Pesticides [4]	Comments
SOC3-TT6R-0-1'	9/18/2009	x					x							Additional sample volume collected to assess relationship between total chromium and hexavalent chromium concentration
SOC3-TT7-0.5-1'	6/8/2009	x		x	x	x				x		x	x	
SOC3-TT8-0.5-1'	6/8/2009	x		x	x	x				x		x	x	
SOC3-TT9-0.5'	6/15/2009	x						x						
SOC3-TT9-7-8'	6/15/2009	x		x	x	x				x		x	x	
SOC3-TT13-0.5'	6/15/2009	x						x						
SOC3-TT13-1'	6/15/2009	x		x	x	x				x		x	x	
SOC3-GP2	6/9/2009		x	x	x	x				x	x	x	x	Sampled groundwater at till contact, metals data disqualified.
SOC3-GP2R	9/10/2009		x			x								Groundwater sampled a second time due to filtration issues with first sample.
SOC3-GP3	6/8-6/10		x	x	x	x			x	x	x	x	x	Sampled groundwater at till contact, metals data disqualified.
SOC3-GP3R	9/10/2009		x			x								Groundwater sampled a second time due to filtration issues with first sample.
SOC3-GP4	6/9/2009		x	x										Sampled groundwater at till contact
WSW-207605	6/16/2009		x	x	x	x			x	x	x	x	x	
SOC#6 Southern Complex Storage Buidlings and Wash Pads														
SOC6-GP5-1-2'	6/4/2009	x										x	x	
SOC6-GP6-2-4'	6/4/2009	x										x	x	
SOC6-GP7-0-4'	6/4/2009	x										x	x	
SOC6-GP8-2-4'	6/4/2009	x										x	x	
SOC6-GP6	6/9/2009		x								x	x	x	Sampled groundwater at till contact
MW-E2-009	9/30/2009		x			x						x	x	
MW-E2-012	10/2/2009		x			x						x	x	
MW-E2-305	9/29/2009		x			x						x	x	
MW-D3-007	9/29/2009		x			x						x	x	
SOC#7 Dairy Complex Suspected Dump Area														
SOC7-TT5-0.5-1'	6/8/2009	x		x	x	x								
SOC7-TT7-0.5-1;	6/8/2009	x		x	x	x								
Background Sampling														
SS1	6/11/2009	x			x	x						x	x	
SS2	6/11/2009	x			x	x						x	x	
SS3	6/11/2009	x			x	x						x	x	
SS4	6/11/2009	x			x	x						x	x	
SS5	6/11/2009	x		x	x	x				x		x	x	
MW-B1-001	6/11/2009		x	x	x	x			x		x	x	x	
MW-E2-009	6/11/2009		x	x	x	x			x		x	x	x	
MW-E2-209	6/11/2009		x	x	x	x			x		x	x	x	

Notes:

1 - Metals - includes all metals on Pollutant Priority List (i.e., antimony, arsenic, beryllium, cadmium, total chromium, copper, lead, mercury, nickel, selenium, silver, thallium and zinc)
2 - Nitrogen analysis include Nitrate+Nitrite (As N) and Total Kjeldahl Nitrogen (TKN)
3 - OC-Pest - includes organochlorine pesticides listed in EPA method # 8081A
4 - List1&2-Pest - includes Minnesota Department of Agriculture Pesticides List 1 (neutral) and List 2 (acid) pesticides
VOCs - Volatile organic compounds
SVOCs - Semi-volatile organic compounds
Blank indicates no sample collected
See Sampling Anaysis Plan for analytical method number
Investigative samples listed in this table. See Appendices for quality assurance/quality control (QA/QC) sample information

Table 2
Sample Collection and Analysis Summary
Phase II Investigation SOCs 1-3 and 6-8
UMore Mining Area
Dakota County, Minnesota

Sample Name	Sample Date	Sample Matrix		Analytes										
		Soil	Water	VOCs	SVOCs	Metals [1]	Hexavalent Chromium	Arsenic	Perchlorate	Nitrocellulose	Nitrogen [2]	OC Pesticides [3]	List 1&2 Pesticides [4]	Comments
SOC#1 Former Railroad "Y"														
SOC1-GP1-0.5'	7/1/2009	x		x										
SOC1-GP1-0-4'	6/8/2009	x			x	x				x			x	
SOC1-GP2-0.5'	7/1/2009	x		x										
SOC1-GP2-0-4'	6/8/2009	x			x	x				x			x	
SOC1-GP3-0.5'	7/1/2009	x		x										
SOC1-GP3-0-4'	6/9/2009	x			x	x				x			x	
SOC1-SS1A	6/11/2009	x			x			x						
SOC1-SS1B	6/11/2009	x			x			x						
SOC1-SS1C	6/11/2009	x			x			x						
SOC1-SS2A	6/11/2009	x			x			x						
SOC1-SS2B	6/11/2009	x			x			x						
SOC1-SS2C	6/11/2009	x			x			x						
SOC1-SS3A	6/11/2009	x			x			x						
SOC1-SS3B	6/11/2009	x			x			x						
SOC1-SS3C	6/11/2009	x			x			x						
SOC1-GP1	6/8/2009		x	x	x	x					x		x	
SOC1-GP3	6/9/2009		x	x	x	x			x	x	x		x	Metals data disqualified.
SOC1-GP3R	9/11/2009		x			x								Groundwater sampled a second time due to filtration issues with first sample.
SOC#2 Forestry Research/Former GOW Storage														
SOC2-TT1-1.5'	6/5/2009	x		x	x	x				x				
SOC2-TT1R-1.5'	9/18/2009	x					x							Additional sample volume collected to assess relationship between total chromium and hexavalent chromium concentration
SOC2-TT2-0.5'-1.5'	6/5/2009	x		x	x	x				x				
SOC2-TT3-0.5'-1'	6/5/2009	x		x	x	x				x				
SOC2-TT3R-0.5-1'	9/18/2009	x					x							Additional sample volume collected to assess relationship between total chromium and hexavalent chromium concentration
SOC2-TT4-0.5'-1'	6/5/2009	x		x	x	x				x				
SOC2-TT4R-0.5-1'	9/18/2009	x					x							Additional sample volume collected to assess relationship between total chromium and hexavalent chromium concentration
SOC2-TT5-0.5'-1'	6/5/2009	x		x	x	x				x				
SOC2-TT5R-0.5-1'	9/18/2009	x					x							Additional sample volume collected to assess relationship between total chromium and hexavalent chromium concentration
SOC#3 Former "K" Street Dump Area and Ag Engineering Complex														
SOC3-GP1-0-5'	6/4/2009	x				x								
SOC3-GP1-1-2'	6/4/2009	x		x								x	x	
SOC3-GP3-0-0.5'	6/4/2009	x						x						
SOC3-TT1-1-2'	6/9/2009	x		x	x	x				x		x	x	
SOC3-TT1S-3-4'	6/9/2009	x		x	x	x				x		x	x	
SOC3-TT1S-5'	6/9/2009	x		x	x	x				x		x	x	
SOC3-TT2-3-4'	6/9/2009	x		x	x	x				x		x	x	
SOC3-TT2-5'	6/9/2009	x		x	x	x				x		x	x	
SOC3-TT3-0.5'	6/15/2009	x		x	x	x				x		x	x	
SOC3-TT6-0-1'	6/15/2009	x		x	x	x				x		x	x	

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC1GP1 0.5 07/01/2009	SOC1GP1 0-4 06/08/2009	SOC1GP2 0.5 07/01/2009	SOC1GP2 0-4 06/08/2009	SOC1GP3 0.5 07/01/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV					
Effective Date	06/27/2005	06/22/2009					
Exceedance Key	No Exceedance	Underline					
Metals							
Antimony	2.7 mg/kg	12 mg/kg	--	< 0.53 mg/kg	--	< 0.57 mg/kg	--
Arsenic	15.1 mg/kg	9 mg/kg	--	3.6 mg/kg	--	5.1 mg/kg	--
Beryllium	1.4 mg/kg	55 mg/kg	--	< 0.27 mg/kg	--	< 0.28 mg/kg	--
Cadmium	4.4 mg/kg	25 mg/kg	--	< 0.27 mg/kg	--	< 0.28 mg/kg	--
Chromium, total	1000000 mg/kg	44000 mg/kg	--	12 mg/kg	--	14 mg/kg	--
Copper	400 mg/kg	100 mg/kg	--	9.3 mg/kg	--	7.9 mg/kg	--
Lead	525 mg/kg	300 mg/kg	--	3.0 mg/kg	--	7.7 mg/kg	--
Mercury	1.6 MC mg/kg	0.5 mg/kg	--	< 0.11 mg/kg	--	< 0.11 mg/kg	--
Nickel	88 mg/kg	560 mg/kg	--	15 mg/kg	--	12 mg/kg	--
Selenium	1.5 mg/kg	160 mg/kg	--	< 1.1 mg/kg	--	< 1.1 mg/kg	--
Silver	3.9 mg/kg	160 mg/kg	--	< 0.27 mg/kg	--	< 0.28 mg/kg	--
Thallium		3 mg/kg	--	< 2.1 mg/kg	--	< 2.3 mg/kg	--
Zinc	1500 mg/kg	8700 mg/kg	--	22 mg/kg	--	29 mg/kg	--
SVOCs							
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	--	< 0.029 mg/kg	--	< 0.031 mg/kg	--
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	--	< 0.027 mg/kg	--	< 0.028 mg/kg	--
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	--	< 0.024 mg/kg	--	< 0.026 mg/kg	--
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	--	< 0.026 mg/kg	--	< 0.027 mg/kg	--
2,3,4,6-Tetrachlorophenol		636 mg/kg	--	< 0.040 mg/kg	--	< 0.043 mg/kg	--
2,4,5-Trichlorophenol		1920 mg/kg	--	< 0.026 mg/kg	--	< 0.027 mg/kg	--
2,4,6-Trichlorophenol	0.21 mg/kg	595 mg/kg	--	< 0.037 mg/kg	--	< 0.040 mg/kg	--
2,4-Dichlorophenol	0.076 mg/kg	48 mg/kg	--	< 0.037 mg/kg	--	< 0.040 mg/kg	--
2,4-Dimethylphenol	0.34 mg/kg	390 mg/kg	--	< 0.096 mg/kg	--	< 0.10 mg/kg	--
2,4-Dinitrophenol	0.014 mg/kg		--	< 0.062 mg/kg	--	< 0.066 mg/kg	--
2,4-Dinitrotoluene	0.001 mg/kg	50 mg/kg	--	< 0.022 mg/kg	--	< 0.024 mg/kg	--
2,6-Dichlorophenol			--	< 0.046 mg/kg	--	< 0.049 mg/kg	--
2,6-Dinitrotoluene	0.001 mg/kg	25 mg/kg	--	< 0.020 mg/kg	--	< 0.022 mg/kg	--
2-Chloronaphthalene			--	< 0.020 mg/kg	--	< 0.022 mg/kg	--
2-Chlorophenol	0.26 mg/kg		--	< 0.040 mg/kg	--	< 0.043 mg/kg	--
2-Methyl-4,6-dinitrophenol			--	< 0.079 mg/kg	--	< 0.084 mg/kg	--
2-Methylnaphthalene		100 mg/kg	--	< 0.030 mg/kg	--	< 0.032 mg/kg	--
2-Nitroaniline			--	< 0.021 mg/kg	--	< 0.023 mg/kg	--
2-Nitrophenol	0.6 mg/kg		--	< 0.038 mg/kg	--	< 0.041 mg/kg	--
3,3`-Dichlorobenzidine	0.36 mg/kg	25 mg/kg	--	< 0.41 mg/kg	--	< 0.44 mg/kg	--
3-Nitroaniline			--	< 0.035 mg/kg	--	< 0.038 mg/kg	--
4-Bromophenyl phenyl ether			--	< 0.018 mg/kg	--	< 0.019 mg/kg	--
4-Chloro-3-methylphenol			--	< 0.043 mg/kg	--	< 0.045 mg/kg	--
4-Chloroaniline			--	< 0.12 mg/kg	--	< 0.12 mg/kg	--
4-Chlorophenyl phenyl ether			--	< 0.024 mg/kg	--	< 0.026 mg/kg	--
4-Nitroaniline			--	< 0.024 mg/kg	--	< 0.026 mg/kg	--
4-Nitrophenol			--	< 0.11 mg/kg	--	< 0.11 mg/kg	--
Acenaphthene	50 mg/kg	1200 mg/kg	--	< 0.030 mg/kg	--	< 0.032 mg/kg	--
Acenaphthylene			--	< 0.024 mg/kg	--	< 0.026 mg/kg	--

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC1GP1 0.5 07/01/2009	SOC1GP1 0-4 06/08/2009	SOC1GP2 0.5 07/01/2009	SOC1GP2 0-4 06/08/2009	SOC1GP3 0.5 07/01/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV					
Aniline			--	< 0.096 mg/kg	--	< 0.10 mg/kg	--
Anthracene	942 mg/kg	7880 mg/kg	--	< 0.027 mg/kg	--	< 0.028 mg/kg	--
Azobenzene			--	< 0.021 mg/kg	--	< 0.023 mg/kg	--
Benzidine			--	< 0.77 mg/kg	--	< 0.82 mg/kg	--
Benzo(g,h,i)perylene			--	< 0.032 mg/kg	--	< 0.034 mg/kg	--
Benzoic Acid	30 mg/kg	50000 mg/kg	--	< 0.062 mg/kg	--	< 0.066 mg/kg	--
Benzyl alcohol		8700 mg/kg	--	< 0.13 mg/kg	--	< 0.14 mg/kg	--
Bis(2-chloroethoxy)methane			--	< 0.022 mg/kg	--	< 0.024 mg/kg	--
Bis(2-chloroethyl)ether	0.001 mg/kg	2.5 mg/kg	--	< 0.026 mg/kg	--	< 0.027 mg/kg	--
Bis(2-chloroisopropyl)ether	0.67 mg/kg		--	< 0.023 mg/kg	--	< 0.025 mg/kg	--
Bis(2-ethylhexyl)phthalate	40 mg/kg	570 mg/kg	--	< 0.021 mg/kg	--	< 0.023 mg/kg	--
Butyl benzyl phthalate	28 mg/kg	580 mg/kg	--	< 0.022 mg/kg	--	< 0.024 mg/kg	--
Carbazole		700 mg/kg	--	< 0.023 mg/kg	--	< 0.025 mg/kg	--
Dibenzofuran		104 mg/kg	--	< 0.020 mg/kg	--	< 0.022 mg/kg	--
Diethyl phthalate	18 mg/kg		--	< 0.016 mg/kg	--	< 0.017 mg/kg	--
Dimethyl phthalate	172 mg/kg		--	< 0.019 mg/kg	--	< 0.020 mg/kg	--
Di-n-butyl phthalate	23 mg/kg	2440 mg/kg	--	< 0.039 mg/kg	--	< 0.042 mg/kg	--
Di-n-octyl phthalate		520 mg/kg	--	< 0.027 mg/kg	--	< 0.028 mg/kg	--
Fluoranthene	295 mg/kg	1080 mg/kg	--	< 0.026 mg/kg	--	< 0.027 mg/kg	--
Fluorene	47 mg/kg	850 mg/kg	--	< 0.019 mg/kg	--	< 0.020 mg/kg	--
Hexachlorobenzene	0.32 mg/kg	5 mg/kg	--	< 0.017 mg/kg	--	< 0.018 mg/kg	--
Hexachlorobutadiene	25 mg/kg	6 mg/kg	--	< 0.035 mg/kg	--	< 0.038 mg/kg	--
Hexachlorocyclopentadiene	4.4 mg/kg	2 mg/kg	--	< 0.044 mg/kg	--	< 0.047 mg/kg	--
Hexachloroethane	0.05 mg/kg		--	< 0.030 mg/kg	--	< 0.032 mg/kg	--
Isophorone	0.16 mg/kg		--	< 0.018 mg/kg	--	< 0.019 mg/kg	--
Naphthalene	7.5 mg/kg	10 mg/kg	--	< 0.031 mg/kg	--	< 0.033 mg/kg	--
Nitrobenzene			--	< 0.032 mg/kg	--	< 0.034 mg/kg	--
N-Nitrosodimethylamine	0.82 mg/kg		--	< 0.034 mg/kg	--	< 0.036 mg/kg	--
N-Nitrosodi-n-propylamine		0.7 mg/kg	--	< 0.027 mg/kg	--	< 0.028 mg/kg	--
N-Nitrosodiphenylamine	0.88 mg/kg	1950 mg/kg	--	< 0.019 mg/kg	--	< 0.020 mg/kg	--
o-Cresol	0.064 mg/kg	75 mg/kg	--	< 0.037 mg/kg	--	< 0.040 mg/kg	--
p-Cresol	0.033 mg/kg	10 mg/kg	--	< 0.029 mg/kg	--	< 0.031 mg/kg	--
Pentachlorophenol	0.034 mg/kg	80 mg/kg	--	< 0.10 mg/kg	--	< 0.11 mg/kg	--
Phenanthrene			--	< 0.020 mg/kg	--	< 0.022 mg/kg	--
Phenol	7.8 mg/kg	1500 mg/kg	--	< 0.061 mg/kg	--	< 0.065 mg/kg	--
Pyrene	272 mg/kg	890 mg/kg	--	< 0.024 mg/kg	--	< 0.026 mg/kg	--
Benzo(a)anthracene	T	T	--	< 0.029 mg/kg	--	< 0.031 mg/kg	--
Benzo(a)pyrene	T	T	--	< 0.029 mg/kg	--	< 0.031 mg/kg	--
Benzo(b)fluoranthene	T	T	--	< 0.036 mg/kg	--	< 0.039 mg/kg	--
Benzo(k)fluoranthene	T	T	--	< 0.033 mg/kg	--	< 0.035 mg/kg	--
Chrysene	T	T	--	< 0.035 mg/kg	--	< 0.038 mg/kg	--
Dibenz(a,h)anthracene	T	T	--	< 0.036 mg/kg	--	< 0.039 mg/kg	--
Indeno(1,2,3-cd)pyrene	T	T	--	< 0.034 mg/kg	--	< 0.036 mg/kg	--
BaP equivalent, non-detects at zero for the detection limit.[1]	10.2 T mg/kg	2 T mg/kg	--	ND	--	ND	--
VOCs							

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC1GP1 0.5	SOC1GP1 0-4	SOC1GP2 0.5	SOC1GP2 0-4	SOC1GP3 0.5
		Sample Date	07/01/2009	06/08/2009	07/01/2009	06/08/2009	07/01/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV					
1,1,1,2-Tetrachloroethane	1.4 mg/kg	31 mg/kg	< 0.031 mg/kg	--	< 0.029 mg/kg	--	< 0.033 mg/kg
1,1,1-Trichloroethane	3.5 mg/kg	140 mg/kg	< 0.039 mg/kg	--	< 0.037 mg/kg	--	< 0.042 mg/kg
1,1,2,2-Tetrachloroethane	0.005 mg/kg	3.5 mg/kg	< 0.029 mg/kg	--	< 0.028 mg/kg	--	< 0.032 mg/kg
1,1,2-Trichloroethane	0.01 mg/kg	9 mg/kg	< 0.044 mg/kg	--	< 0.041 mg/kg	--	< 0.047 mg/kg
1,1-Dichloro-1-propene			< 0.032 mg/kg	--	< 0.030 mg/kg	--	< 0.035 mg/kg
1,1-Dichloroethane	0.18 mg/kg	34 mg/kg	< 0.028 mg/kg	--	< 0.027 mg/kg	--	< 0.031 mg/kg
1,1-Dichloroethylene	0.025 mg/kg	20 mg/kg	< 0.029 mg/kg	--	< 0.028 mg/kg	--	< 0.032 mg/kg
1,2,3-Trichlorobenzene			< 0.078 mg/kg	--	< 0.073 mg/kg	--	< 0.085 mg/kg
1,2,3-Trichloropropane	0.35 mg/kg		< 0.062 mg/kg	--	< 0.059 mg/kg	--	< 0.068 mg/kg
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.075 mg/kg	--	< 0.071 mg/kg	--	< 0.082 mg/kg
1,2,4-Trimethylbenzene		8 mg/kg	< 0.024 mg/kg	--	< 0.022 mg/kg	--	< 0.026 mg/kg
1,2-Dibromo-3-chloropropane	0.001 mg/kg		< 0.067 mg/kg	--	< 0.063 mg/kg	--	< 0.073 mg/kg
1,2-Dibromoethane	0.00001 mg/kg	0.3 mg/kg	< 0.045 mg/kg	--	< 0.042 mg/kg	--	< 0.049 mg/kg
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.032 mg/kg	--	< 0.030 mg/kg	--	< 0.035 mg/kg
1,2-Dichloroethane	0.01 mg/kg	4 mg/kg	< 0.029 mg/kg	--	< 0.028 mg/kg	--	< 0.032 mg/kg
1,2-Dichloroethylene, cis	0.14 mg/kg	8 mg/kg	< 0.054 mg/kg	--	< 0.051 mg/kg	--	< 0.059 mg/kg
1,2-Dichloroethylene, trans	0.27 mg/kg	11 mg/kg	< 0.026 mg/kg	--	< 0.024 mg/kg	--	< 0.028 mg/kg
1,2-Dichloropropane	0.011 mg/kg	4 mg/kg	< 0.033 mg/kg	--	< 0.031 mg/kg	--	< 0.036 mg/kg
1,3,5-Trimethylbenzene		3 mg/kg	< 0.018 mg/kg	--	< 0.017 mg/kg	--	< 0.019 mg/kg
1,3-Dichloro-1-propene trans	0.005 mg/kg		< 0.041 mg/kg	--	< 0.039 mg/kg	--	< 0.045 mg/kg
1,3-Dichloro-1-propene, cis	0.005 mg/kg		< 0.027 mg/kg	--	< 0.026 mg/kg	--	< 0.029 mg/kg
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.033 mg/kg	--	< 0.031 mg/kg	--	< 0.036 mg/kg
1,3-Dichloropropane			< 0.020 mg/kg	--	< 0.019 mg/kg	--	< 0.022 mg/kg
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.021 mg/kg	--	< 0.020 mg/kg	--	< 0.023 mg/kg
2,2-Dichloropropane			< 0.080 mg/kg	--	< 0.076 mg/kg	--	< 0.087 mg/kg
Acetone	0.7 mg/kg	340 mg/kg	< 0.38 mg/kg	--	< 0.36 mg/kg	--	< 0.41 mg/kg
Allyl Chloride	0.032 mg/kg		< 0.079 mg/kg	--	< 0.074 mg/kg	--	< 0.086 mg/kg
Benzene	0.034 mg/kg	6 mg/kg	< 0.018 mg/kg	--	< 0.017 mg/kg	--	< 0.019 mg/kg
Bromobenzene			< 0.022 mg/kg	--	< 0.021 mg/kg	--	< 0.024 mg/kg
Bromochloromethane	0.15 mg/kg		< 0.029 mg/kg	--	< 0.028 mg/kg	--	< 0.032 mg/kg
Bromodichloromethane	0.013 mg/kg	10 mg/kg	< 0.041 mg/kg	--	< 0.039 mg/kg	--	< 0.045 mg/kg
Bromoform	0.14 mg/kg	370 mg/kg	< 0.094 mg/kg	--	< 0.089 mg/kg	--	< 0.10 mg/kg
Bromomethane	0.5 mg/kg	0.7 mg/kg	< 0.16 mg/kg	--	< 0.16 mg/kg	--	< 0.18 mg/kg
Butyl benzene		30 mg/kg	< 0.038 mg/kg	--	< 0.036 mg/kg	--	< 0.041 mg/kg
Butylbenzene sec		25 mg/kg	< 0.012 mg/kg	--	< 0.011 mg/kg	--	< 0.013 mg/kg
Butylbenzene tert-		30 mg/kg	< 0.021 mg/kg	--	< 0.020 mg/kg	--	< 0.023 mg/kg
Carbon tetrachloride	0.023 mg/kg	0.3 mg/kg	< 0.032 mg/kg	--	< 0.030 mg/kg	--	< 0.035 mg/kg
Chlorobenzene	1.1 mg/kg	11 mg/kg	< 0.029 mg/kg	--	< 0.028 mg/kg	--	< 0.032 mg/kg
Chlorodibromomethane	0.03 mg/kg	12 mg/kg	< 0.038 mg/kg	--	< 0.036 mg/kg	--	< 0.041 mg/kg
Chloroethane		1000 mg/kg	< 0.086 mg/kg	--	< 0.081 mg/kg	--	< 0.094 mg/kg
Chloroform	0.17 mg/kg	2.5 mg/kg	< 0.049 mg/kg	--	< 0.047 mg/kg	--	< 0.054 mg/kg
Chloromethane	0.006 mg/kg	8 mg/kg	< 0.048 mg/kg	--	< 0.046 mg/kg	--	< 0.053 mg/kg
Chlorotoluene o-		436 mg/kg	< 0.021 mg/kg	--	< 0.020 mg/kg	--	< 0.023 mg/kg
Chlorotoluene p-			< 0.034 mg/kg	--	< 0.032 mg/kg	--	< 0.037 mg/kg
Cumene (isopropyl benzene)	18 mg/kg	30 mg/kg	< 0.027 mg/kg	--	< 0.026 mg/kg	--	< 0.029 mg/kg
Cymene p- (Toluene isopropyl p-)			< 0.035 mg/kg	--	< 0.033 mg/kg	--	< 0.038 mg/kg

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC1GP1 0.5 07/01/2009	SOC1GP1 0-4 06/08/2009	SOC1GP2 0.5 07/01/2009	SOC1GP2 0-4 06/08/2009	SOC1GP3 0.5 07/01/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV					
Dibromomethane (methylene bromide)		260 mg/kg	< 0.054 mg/kg	--	< 0.051 mg/kg	--	< 0.059 mg/kg
Dichlorodifluoromethane (CFC-12)	38 mg/kg	16 mg/kg	< 0.096 mg/kg	--	< 0.091 mg/kg	--	< 0.11 mg/kg
Dichlorofluoromethane (CFC-21)			< 0.052 mg/kg	--	< 0.049 mg/kg	--	< 0.056 mg/kg
Ethyl benzene	4.7 mg/kg	200 mg/kg	< 0.026 mg/kg	--	< 0.024 mg/kg	--	< 0.028 mg/kg
Ethyl ether	1.2 mg/kg		< 0.056 mg/kg	--	< 0.053 mg/kg	--	< 0.062 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.15 mg/kg	--	< 0.14 mg/kg	--	< 0.17 mg/kg
Methyl ethyl ketone	6.4 mg/kg	5500 mg/kg	< 0.14 mg/kg	--	< 0.13 mg/kg	--	< 0.15 mg/kg
Methyl isobutyl ketone	0.42 mg/kg	1700 mg/kg	< 0.11 mg/kg	--	< 0.10 mg/kg	--	< 0.12 mg/kg
Methyl tertiary butyl ether (MTBE)	0.027 mg/kg		< 0.020 mg/kg	--	< 0.019 mg/kg	--	< 0.022 mg/kg
Methylene chloride	0.068 mg/kg	97 mg/kg	< 0.20 mg/kg	--	< 0.19 mg/kg	--	< 0.22 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.076 mg/kg	--	< 0.072 mg/kg	--	< 0.083 mg/kg
Propylbenzene		30 mg/kg	< 0.016 mg/kg	--	< 0.016 mg/kg	--	< 0.018 mg/kg
Styrene	1.9 mg/kg	210 mg/kg	< 0.047 mg/kg	--	< 0.044 mg/kg	--	< 0.051 mg/kg
Tetrachloroethylene	0.068 mg/kg	72 mg/kg	< 0.041 mg/kg	--	< 0.039 mg/kg	--	< 0.045 mg/kg
Tetrahydrofuran	0.16 mg/kg		< 0.12 mg/kg	--	< 0.11 mg/kg	--	< 0.13 mg/kg
Toluene	6.4 mg/kg	107 mg/kg	< 0.033 mg/kg	--	< 0.031 mg/kg	--	< 0.036 mg/kg
Trichloroethylene	0.14 mg/kg	29 mg/kg	< 0.047 mg/kg	--	< 0.044 mg/kg	--	< 0.051 mg/kg
Trichlorofluoromethane	22 mg/kg	67 mg/kg	< 0.038 mg/kg	--	< 0.036 mg/kg	--	< 0.041 mg/kg
Trichlorotrifluoroethane (Freon 113)	2580 mg/kg	3745 mg/kg	< 0.076 mg/kg	--	< 0.072 mg/kg	--	< 0.083 mg/kg
Vinyl chloride	0.001 mg/kg	0.8 mg/kg	< 0.027 mg/kg	--	< 0.026 mg/kg	--	< 0.029 mg/kg
Xylenes, total	45 M mg/kg	45 M mg/kg	0.053 a mg/kg	--	0.050 a mg/kg	--	0.053 a mg/kg
Pesticides							
2,4,5-TP (Silvex)			--	< 0.052 mg/kg	--	< 0.065 mg/kg	--
2,4,5-Trichlorophenoxyacetic acid		290 mg/kg	--	< 0.052 mg/kg	--	< 0.065 mg/kg	--
2,4-D		285 mg/kg	--	< 0.052 mg/kg	--	< 0.065 mg/kg	--
2,4-DB		226 mg/kg	--	< 0.052 mg/kg	--	< 0.065 mg/kg	--
Acetochlor			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Alachlor (Lasso)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Atrazine (Primatol)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Bentazone			--	< 0.052 mg/kg	--	< 0.065 mg/kg	--
Chlorpyrifos (Lorsban)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Cyanazine (Bladex)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Deisopropyl atrazine			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Desethylatrazine			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Dicamba			--	< 0.052 mg/kg	--	< 0.065 mg/kg	--
Dimethenamid			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Dinoseb (DNBP)			--	< 0.052 mg/kg	--	< 0.065 mg/kg	--
EPTC (Eradicane)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Ethalfluralin (Sonalan)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Fonofos (Dyphonate)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
MCPA		16 mg/kg	--	< 0.052 mg/kg	--	< 0.065 mg/kg	--
Metolachlor (Dual)		435 mg/kg	--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Metribuzin (Sencor, Lexone)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Pendimethalin (Prowl)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Pentachlorophenol	0.034 mg/kg	80 mg/kg	--	< 0.052 mg/kg	--	< 0.065 mg/kg	--
Phorate (Thimet)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC1GP1 0.5 07/01/2009	SOC1GP1 0-4 06/08/2009	SOC1GP2 0.5 07/01/2009	SOC1GP2 0-4 06/08/2009	SOC1GP3 0.5 07/01/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV					
Picloram		2000 mg/kg	--	< 0.052 * mg/kg	--	< 0.065 * mg/kg	--
Prometon (Pramitol)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Propachlor (Ramrod)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Propazine (Milogard)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Simazine (Princep)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Terbufos (Counter)		0.6 mg/kg	--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Triallate (Far-Go)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Triclopyr			--	< 0.052 mg/kg	--	< 0.065 mg/kg	--
Trifluralin (Treflan)			--	< 0.042 mg/kg	--	< 0.045 mg/kg	--
Explosives							
Nitrocellulose			--	< 5.3 mg/kg	--	< 6.8 mg/kg	--

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC1GP3 0-4		SOC1-SS1A	SOC1-SS1B	SOC1-SS1C	SOC1-SS2A
		Sample Date	06/09/2009		06/11/2009	06/11/2009	06/11/2009	06/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV						
Effective Date	06/27/2005	06/22/2009						
Exceedance Key	No Exceedance	Underline						
Metals								
Antimony	2.7 mg/kg	12 mg/kg	< 0.67 mg/kg	--	--	--	--	--
Arsenic	15.1 mg/kg	9 mg/kg	4.3 mg/kg	--	7.4 mg/kg	3.2 mg/kg	5.2 mg/kg	6.0 mg/kg
Beryllium	1.4 mg/kg	55 mg/kg	< 0.33 mg/kg	--	--	--	--	--
Cadmium	4.4 mg/kg	25 mg/kg	< 0.33 mg/kg	--	--	--	--	--
Chromium, total	1000000 mg/kg	44000 mg/kg	15 mg/kg	--	--	--	--	--
Copper	400 mg/kg	100 mg/kg	14 mg/kg	--	--	--	--	--
Lead	525 mg/kg	300 mg/kg	7.0 mg/kg	--	--	--	--	--
Mercury	1.6 MC mg/kg	0.5 mg/kg	< 0.13 mg/kg	--	--	--	--	--
Nickel	88 mg/kg	560 mg/kg	16 mg/kg	--	--	--	--	--
Selenium	1.5 mg/kg	160 mg/kg	< 1.3 mg/kg	--	--	--	--	--
Silver	3.9 mg/kg	160 mg/kg	< 0.33 mg/kg	--	--	--	--	--
Thallium		3 mg/kg	< 2.7 mg/kg	--	--	--	--	--
Zinc	1500 mg/kg	8700 mg/kg	42 mg/kg	--	--	--	--	--
SVOCs								
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.036 mg/kg	< 0.033 mg/kg	< 0.033 mg/kg	< 0.029 mg/kg	< 0.033 mg/kg	< 0.034 mg/kg
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.033 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg	< 0.027 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.031 mg/kg	< 0.028 mg/kg	< 0.028 mg/kg	< 0.025 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg	< 0.026 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg
2,3,4,6-Tetrachlorophenol		636 mg/kg	< 0.051 mg/kg	< 0.047 mg/kg	< 0.047 mg/kg	< 0.041 mg/kg	< 0.047 mg/kg	< 0.048 mg/kg
2,4,5-Trichlorophenol		1920 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg	< 0.026 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg
2,4,6-Trichlorophenol	0.21 mg/kg	595 mg/kg	< 0.047 mg/kg	< 0.043 mg/kg	< 0.043 mg/kg	< 0.038 mg/kg	< 0.043 mg/kg	< 0.044 mg/kg
2,4-Dichlorophenol	0.076 mg/kg	48 mg/kg	< 0.047 mg/kg	< 0.043 mg/kg	< 0.043 mg/kg	< 0.038 mg/kg	< 0.043 mg/kg	< 0.044 mg/kg
2,4-Dimethylphenol	0.34 mg/kg	390 mg/kg	< 0.12 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg	< 0.098 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg
2,4-Dinitrophenol	0.014 mg/kg		< 0.077 mg/kg	< 0.072 mg/kg	< 0.072 mg/kg	< 0.063 mg/kg	< 0.072 mg/kg	< 0.072 mg/kg
2,4-Dinitrotoluene	0.001 mg/kg	50 mg/kg	< 0.028 mg/kg	< 0.026 mg/kg	< 0.026 mg/kg	< 0.023 mg/kg	< 0.026 mg/kg	< 0.026 mg/kg
2,6-Dichlorophenol			< 0.057 mg/kg	< 0.053 mg/kg	< 0.053 mg/kg	< 0.047 mg/kg	< 0.053 mg/kg	< 0.054 mg/kg
2,6-Dinitrotoluene	0.001 mg/kg	25 mg/kg	< 0.025 mg/kg	< 0.023 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
2-Chloronaphthalene			< 0.025 mg/kg	< 0.023 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
2-Chlorophenol	0.26 mg/kg		< 0.051 mg/kg	< 0.047 mg/kg	< 0.047 mg/kg	< 0.041 mg/kg	< 0.047 mg/kg	< 0.048 mg/kg
2-Methyl-4,6-dinitrophenol			< 0.099 mg/kg	< 0.091 mg/kg	< 0.091 mg/kg	< 0.080 mg/kg	< 0.091 mg/kg	< 0.092 mg/kg
2-Methylnaphthalene		100 mg/kg	< 0.037 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg	< 0.030 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg
2-Nitroaniline			< 0.027 mg/kg	< 0.025 mg/kg	< 0.025 mg/kg	< 0.022 mg/kg	< 0.025 mg/kg	< 0.025 mg/kg
2-Nitrophenol	0.6 mg/kg		< 0.048 mg/kg	< 0.044 mg/kg	< 0.044 mg/kg	< 0.039 mg/kg	< 0.044 mg/kg	< 0.045 mg/kg
3,3`-Dichlorobenzidine	0.36 mg/kg	25 mg/kg	< 0.52 mg/kg	< 0.48 mg/kg	< 0.48 mg/kg	< 0.42 mg/kg	< 0.48 mg/kg	< 0.49 mg/kg
3-Nitroaniline			< 0.044 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg	< 0.036 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
4-Bromophenyl phenyl ether			< 0.023 mg/kg	< 0.021 mg/kg	< 0.021 mg/kg	< 0.018 mg/kg	< 0.021 mg/kg	< 0.021 mg/kg
4-Chloro-3-methylphenol			< 0.053 mg/kg	< 0.049 mg/kg	< 0.049 mg/kg	< 0.043 mg/kg	< 0.049 mg/kg	< 0.050 mg/kg
4-Chloroaniline			< 0.15 mg/kg	< 0.14 mg/kg	< 0.14 mg/kg	< 0.12 mg/kg	< 0.14 mg/kg	< 0.14 mg/kg
4-Chlorophenyl phenyl ether			< 0.031 mg/kg	< 0.028 mg/kg	< 0.028 mg/kg	< 0.025 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg
4-Nitroaniline			< 0.031 mg/kg	< 0.028 mg/kg	< 0.028 mg/kg	< 0.025 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg
4-Nitrophenol			< 0.13 mg/kg	< 0.12 mg/kg	< 0.12 mg/kg	< 0.11 mg/kg	< 0.12 mg/kg	< 0.12 mg/kg
Acenaphthene	50 mg/kg	1200 mg/kg	< 0.037 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg	< 0.030 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg
Acenaphthylene			< 0.031 mg/kg	< 0.028 mg/kg	< 0.028 mg/kg	< 0.025 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC1GP3 0-4		SOC1-SS1A	SOC1-SS1B	SOC1-SS1C	SOC1-SS2A
		Sample Date	06/09/2009		06/11/2009	06/11/2009	06/11/2009	06/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV						
Aniline			< 0.12 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg	< 0.098 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg
Anthracene	942 mg/kg	7880 mg/kg	< 0.033 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg	< 0.027 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg
Azobenzene			< 0.027 mg/kg	< 0.025 mg/kg	< 0.025 mg/kg	< 0.022 mg/kg	< 0.025 mg/kg	< 0.025 mg/kg
Benzidine			< 0.96 mg/kg	< 0.89 mg/kg	< 0.89 mg/kg	< 0.78 mg/kg	< 0.89 mg/kg	< 0.90 mg/kg
Benzo(g,h,i)perylene			< 0.040 mg/kg	< 0.037 mg/kg	< 0.037 mg/kg	< 0.033 mg/kg	< 0.037 mg/kg	< 0.038 mg/kg
Benzoic Acid	30 mg/kg	50000 mg/kg	< 0.077 mg/kg	< 0.072 mg/kg	< 0.072 mg/kg	< 0.063 mg/kg	< 0.072 mg/kg	0.61 mg/kg
Benzyl alcohol		8700 mg/kg	< 0.16 mg/kg	< 0.15 mg/kg	< 0.15 mg/kg	< 0.13 mg/kg	< 0.15 mg/kg	< 0.15 mg/kg
Bis(2-chloroethoxy)methane			< 0.028 mg/kg	< 0.026 mg/kg	< 0.026 mg/kg	< 0.023 mg/kg	< 0.026 mg/kg	< 0.026 mg/kg
Bis(2-chloroethyl)ether	0.001 mg/kg	2.5 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg	< 0.026 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg
Bis(2-chloroisopropyl)ether	0.67 mg/kg		< 0.029 mg/kg	< 0.027 mg/kg	< 0.027 mg/kg	< 0.024 mg/kg	< 0.027 mg/kg	< 0.028 mg/kg
Bis(2-ethylhexyl)phthalate	40 mg/kg	570 mg/kg	< 0.027 mg/kg	< 0.025 mg/kg	< 0.025 mg/kg	< 0.022 mg/kg	< 0.025 mg/kg	< 0.025 mg/kg
Butyl benzyl phthalate	28 mg/kg	580 mg/kg	< 0.028 mg/kg	< 0.026 mg/kg	< 0.026 mg/kg	< 0.023 mg/kg	< 0.026 mg/kg	< 0.026 mg/kg
Carbazole		700 mg/kg	< 0.029 mg/kg	< 0.027 mg/kg	< 0.027 mg/kg	< 0.024 mg/kg	< 0.027 mg/kg	< 0.028 mg/kg
Dibenzofuran		104 mg/kg	< 0.025 mg/kg	< 0.023 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
Diethyl phthalate	18 mg/kg		< 0.020 mg/kg	< 0.019 mg/kg	< 0.019 mg/kg	< 0.016 mg/kg	< 0.019 mg/kg	< 0.019 mg/kg
Dimethyl phthalate	172 mg/kg		< 0.024 mg/kg	< 0.022 mg/kg	< 0.022 mg/kg	< 0.020 mg/kg	< 0.022 mg/kg	< 0.022 mg/kg
Di-n-butyl phthalate	23 mg/kg	2440 mg/kg	< 0.049 mg/kg	< 0.046 mg/kg	< 0.046 mg/kg	< 0.040 mg/kg	< 0.046 mg/kg	< 0.046 mg/kg
Di-n-octyl phthalate		520 mg/kg	< 0.033 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg	< 0.027 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg
Fluoranthene	295 mg/kg	1080 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg	< 0.026 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg
Fluorene	47 mg/kg	850 mg/kg	< 0.024 mg/kg	< 0.022 mg/kg	< 0.022 mg/kg	< 0.020 mg/kg	< 0.022 mg/kg	< 0.022 mg/kg
Hexachlorobenzene	0.32 mg/kg	5 mg/kg	< 0.021 mg/kg	< 0.020 mg/kg	< 0.020 mg/kg	< 0.017 mg/kg	< 0.020 mg/kg	< 0.020 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.044 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg	< 0.036 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Hexachlorocyclopentadiene	4.4 mg/kg	2 mg/kg	< 0.055 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.045 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg
Hexachloroethane	0.05 mg/kg		< 0.037 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg	< 0.030 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg
Isophorone	0.16 mg/kg		< 0.023 mg/kg	< 0.021 mg/kg	< 0.021 mg/kg	< 0.018 mg/kg	< 0.021 mg/kg	< 0.021 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.039 mg/kg	< 0.036 mg/kg	< 0.036 mg/kg	< 0.032 mg/kg	< 0.036 mg/kg	< 0.036 mg/kg
Nitrobenzene			< 0.040 mg/kg	< 0.037 mg/kg	< 0.037 mg/kg	< 0.033 mg/kg	< 0.037 mg/kg	< 0.038 mg/kg
N-Nitrosodimethylamine	0.82 mg/kg		< 0.043 mg/kg	< 0.040 mg/kg	< 0.040 mg/kg	< 0.035 mg/kg	< 0.040 mg/kg	< 0.040 mg/kg
N-Nitrosodi-n-propylamine		0.7 mg/kg	< 0.033 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg	< 0.027 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg
N-Nitrosodiphenylamine	0.88 mg/kg	1950 mg/kg	< 0.024 mg/kg	< 0.022 mg/kg	< 0.022 mg/kg	< 0.020 mg/kg	< 0.022 mg/kg	< 0.022 mg/kg
o-Cresol	0.064 mg/kg	75 mg/kg	< 0.047 mg/kg	< 0.043 mg/kg	< 0.043 mg/kg	< 0.038 mg/kg	< 0.043 mg/kg	< 0.044 mg/kg
p-Cresol	0.033 mg/kg	10 mg/kg	< 0.036 mg/kg	< 0.033 mg/kg	< 0.033 mg/kg	< 0.029 mg/kg	< 0.033 mg/kg	< 0.034 mg/kg
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.13 mg/kg	< 0.12 mg/kg	< 0.12 mg/kg	< 0.10 mg/kg	< 0.12 mg/kg	< 0.12 mg/kg
Phenanthrene			< 0.025 mg/kg	< 0.023 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
Phenol	7.8 mg/kg	1500 mg/kg	< 0.076 mg/kg	< 0.070 mg/kg	< 0.070 mg/kg	< 0.062 mg/kg	< 0.070 mg/kg	< 0.071 mg/kg
Pyrene	272 mg/kg	890 mg/kg	< 0.031 mg/kg	< 0.028 mg/kg	< 0.028 mg/kg	< 0.025 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg
Benzo(a)anthracene	T	T	< 0.036 mg/kg	< 0.033 mg/kg	< 0.033 mg/kg	< 0.029 mg/kg	< 0.033 mg/kg	< 0.034 mg/kg
Benzo(a)pyrene	T	T	< 0.036 mg/kg	< 0.033 mg/kg	< 0.033 mg/kg	0.068 j mg/kg	< 0.033 mg/kg	< 0.034 mg/kg
Benzo(b)fluoranthene	T	T	< 0.045 mg/kg	< 0.042 mg/kg	< 0.042 mg/kg	0.14 j mg/kg	< 0.042 mg/kg	< 0.042 mg/kg
Benzo(k)fluoranthene	T	T	< 0.041 mg/kg	< 0.038 mg/kg	< 0.038 mg/kg	0.049 j mg/kg	< 0.038 mg/kg	< 0.039 mg/kg
Chrysene	T	T	< 0.044 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg	< 0.036 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Dibenz(a,h)anthracene	T	T	< 0.045 mg/kg	< 0.042 mg/kg	< 0.042 mg/kg	< 0.037 mg/kg	< 0.042 mg/kg	< 0.042 mg/kg
Indeno(1,2,3-cd)pyrene	T	T	< 0.043 mg/kg	< 0.040 mg/kg	< 0.040 mg/kg	< 0.035 mg/kg	< 0.040 mg/kg	< 0.040 mg/kg
BaP equivalent, non-detects at zero for the detection limit.[1]	10.2 T mg/kg	2 T mg/kg	ND	ND	ND	0.087 a mg/kg	ND	ND
VOCs								

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC1GP3 0-4		SOC1-SS1A	SOC1-SS1B	SOC1-SS1C	SOC1-SS2A
		Sample Date	06/09/2009		06/11/2009	06/11/2009	06/11/2009	06/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV						
1,1,1,2-Tetrachloroethane	1.4 mg/kg	31 mg/kg	--	--	--	--	--	--
1,1,1-Trichloroethane	3.5 mg/kg	140 mg/kg	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.005 mg/kg	3.5 mg/kg	--	--	--	--	--	--
1,1,2-Trichloroethane	0.01 mg/kg	9 mg/kg	--	--	--	--	--	--
1,1-Dichloro-1-propene			--	--	--	--	--	--
1,1-Dichloroethane	0.18 mg/kg	34 mg/kg	--	--	--	--	--	--
1,1-Dichloroethylene	0.025 mg/kg	20 mg/kg	--	--	--	--	--	--
1,2,3-Trichlorobenzene			--	--	--	--	--	--
1,2,3-Trichloropropane	0.35 mg/kg		--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	--	--	--	--	--	--
1,2,4-Trimethylbenzene		8 mg/kg	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	0.001 mg/kg		--	--	--	--	--	--
1,2-Dibromoethane	0.00001 mg/kg	0.3 mg/kg	--	--	--	--	--	--
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	--	--	--	--	--	--
1,2-Dichloroethane	0.01 mg/kg	4 mg/kg	--	--	--	--	--	--
1,2-Dichloroethylene, cis	0.14 mg/kg	8 mg/kg	--	--	--	--	--	--
1,2-Dichloroethylene, trans	0.27 mg/kg	11 mg/kg	--	--	--	--	--	--
1,2-Dichloropropane	0.011 mg/kg	4 mg/kg	--	--	--	--	--	--
1,3,5-Trimethylbenzene		3 mg/kg	--	--	--	--	--	--
1,3-Dichloro-1-propene trans	0.005 mg/kg		--	--	--	--	--	--
1,3-Dichloro-1-propene, cis	0.005 mg/kg		--	--	--	--	--	--
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	--	--	--	--	--	--
1,3-Dichloropropane			--	--	--	--	--	--
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	--	--	--	--	--	--
2,2-Dichloropropane			--	--	--	--	--	--
Acetone	0.7 mg/kg	340 mg/kg	--	--	--	--	--	--
Allyl Chloride	0.032 mg/kg		--	--	--	--	--	--
Benzene	0.034 mg/kg	6 mg/kg	--	--	--	--	--	--
Bromobenzene			--	--	--	--	--	--
Bromochloromethane	0.15 mg/kg		--	--	--	--	--	--
Bromodichloromethane	0.013 mg/kg	10 mg/kg	--	--	--	--	--	--
Bromoform	0.14 mg/kg	370 mg/kg	--	--	--	--	--	--
Bromomethane	0.5 mg/kg	0.7 mg/kg	--	--	--	--	--	--
Butyl benzene		30 mg/kg	--	--	--	--	--	--
Butylbenzene sec		25 mg/kg	--	--	--	--	--	--
Butylbenzene tert-		30 mg/kg	--	--	--	--	--	--
Carbon tetrachloride	0.023 mg/kg	0.3 mg/kg	--	--	--	--	--	--
Chlorobenzene	1.1 mg/kg	11 mg/kg	--	--	--	--	--	--
Chlorodibromomethane	0.03 mg/kg	12 mg/kg	--	--	--	--	--	--
Chloroethane		1000 mg/kg	--	--	--	--	--	--
Chloroform	0.17 mg/kg	2.5 mg/kg	--	--	--	--	--	--
Chloromethane	0.006 mg/kg	8 mg/kg	--	--	--	--	--	--
Chlorotoluene o-		436 mg/kg	--	--	--	--	--	--
Chlorotoluene p-			--	--	--	--	--	--
Cumene (isopropyl benzene)	18 mg/kg	30 mg/kg	--	--	--	--	--	--
Cymene p- (Toluene isopropyl p-)			--	--	--	--	--	--

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC1GP3 0-4		SOC1-SS1A	SOC1-SS1B	SOC1-SS1C	SOC1-SS2A
		Sample Date	06/09/2009		06/11/2009	06/11/2009	06/11/2009	06/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV						
Dibromomethane (methylene bromide)		260 mg/kg	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	38 mg/kg	16 mg/kg	--	--	--	--	--	--
Dichlorofluoromethane (CFC-21)			--	--	--	--	--	--
Ethyl benzene	4.7 mg/kg	200 mg/kg	--	--	--	--	--	--
Ethyl ether	1.2 mg/kg		--	--	--	--	--	--
Hexachlorobutadiene	25 mg/kg	6 mg/kg	--	--	--	--	--	--
Methyl ethyl ketone	6.4 mg/kg	5500 mg/kg	--	--	--	--	--	--
Methyl isobutyl ketone	0.42 mg/kg	1700 mg/kg	--	--	--	--	--	--
Methyl tertiary butyl ether (MTBE)	0.027 mg/kg		--	--	--	--	--	--
Methylene chloride	0.068 mg/kg	97 mg/kg	--	--	--	--	--	--
Naphthalene	7.5 mg/kg	10 mg/kg	--	--	--	--	--	--
Propylbenzene		30 mg/kg	--	--	--	--	--	--
Styrene	1.9 mg/kg	210 mg/kg	--	--	--	--	--	--
Tetrachloroethylene	0.068 mg/kg	72 mg/kg	--	--	--	--	--	--
Tetrahydrofuran	0.16 mg/kg		--	--	--	--	--	--
Toluene	6.4 mg/kg	107 mg/kg	--	--	--	--	--	--
Trichloroethylene	0.14 mg/kg	29 mg/kg	--	--	--	--	--	--
Trichlorofluoromethane	22 mg/kg	67 mg/kg	--	--	--	--	--	--
Trichlorotrifluoroethane (Freon 113)	2580 mg/kg	3745 mg/kg	--	--	--	--	--	--
Vinyl chloride	0.001 mg/kg	0.8 mg/kg	--	--	--	--	--	--
Xylenes, total	45 M mg/kg	45 M mg/kg	--	--	--	--	--	--
Pesticides								
2,4,5-TP (Silvex)			< 0.085 mg/kg	--	--	--	--	--
2,4,5-Trichlorophenoxyacetic acid		290 mg/kg	< 0.085 mg/kg	--	--	--	--	--
2,4-D		285 mg/kg	< 0.085 mg/kg	--	--	--	--	--
2,4-DB		226 mg/kg	< 0.085 mg/kg	--	--	--	--	--
Acetochlor			< 0.049 mg/kg	--	--	--	--	--
Alachlor (Lasso)			< 0.049 mg/kg	--	--	--	--	--
Atrazine (Primatol)			< 0.049 mg/kg	--	--	--	--	--
Bentazone			< 0.085 mg/kg	--	--	--	--	--
Chlorpyrifos (Lorsban)			< 0.049 mg/kg	--	--	--	--	--
Cyanazine (Bladex)			< 0.049 mg/kg	--	--	--	--	--
Deisopropyl atrazine			< 0.049 mg/kg	--	--	--	--	--
Desethylatrazine			< 0.049 mg/kg	--	--	--	--	--
Dicamba			< 0.085 mg/kg	--	--	--	--	--
Dimethenamid			< 0.049 mg/kg	--	--	--	--	--
Dinoseb (DNBP)			< 0.085 mg/kg	--	--	--	--	--
EPTC (Eradicane)			< 0.049 mg/kg	--	--	--	--	--
Ethalfluralin (Sonalan)			< 0.049 mg/kg	--	--	--	--	--
Fonofos (Dyphonate)			< 0.049 mg/kg	--	--	--	--	--
MCPA		16 mg/kg	< 0.085 mg/kg	--	--	--	--	--
Metolachlor (Dual)		435 mg/kg	< 0.049 mg/kg	--	--	--	--	--
Metribuzin (Sencor, Lexone)			< 0.049 mg/kg	--	--	--	--	--
Pendimethalin (Prowl)			< 0.049 mg/kg	--	--	--	--	--
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.085 mg/kg	--	--	--	--	--
Phorate (Thimet)			< 0.049 mg/kg	--	--	--	--	--

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC1GP3 0-4		SOC1-SS1A	SOC1-SS1B	SOC1-SS1C	SOC1-SS2A
		Sample Date	06/09/2009		06/11/2009	06/11/2009	06/11/2009	06/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV						
Picloram		2000 mg/kg	< 0.085 * mg/kg	--	--	--	--	--
Prometon (Pramitol)			< 0.049 mg/kg	--	--	--	--	--
Propachlor (Ramrod)			< 0.049 mg/kg	--	--	--	--	--
Propazine (Milogard)			< 0.049 mg/kg	--	--	--	--	--
Simazine (Princep)			< 0.049 mg/kg	--	--	--	--	--
Terbufos (Counter)		0.6 mg/kg	< 0.049 mg/kg	--	--	--	--	--
Triallate (Far-Go)			< 0.049 mg/kg	--	--	--	--	--
Triclopyr			< 0.085 mg/kg	--	--	--	--	--
Trifluralin (Treflan)			< 0.049 mg/kg	--	--	--	--	--
Explosives								
Nitrocellulose			< 6.1 mg/kg	< 5.7 mg/kg	--	--	--	--

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC1-SS2B		SOC1-SS2C	SOC1-SS3A	SOC1-SS3B	SOC1-SS3C
		Sample Date	06/11/2009		06/11/2009	06/11/2009	06/11/2009	06/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV						
Effective Date	06/27/2005	06/22/2009						
Exceedance Key	No Exceedance	Underline						
Metals								
Antimony	2.7 mg/kg	12 mg/kg	--	--	--	--	--	--
Arsenic	15.1 mg/kg	9 mg/kg	4.9 * mg/kg	2.7 * mg/kg	6.6 mg/kg	5.0 mg/kg	2.8 mg/kg	3.5 mg/kg
Beryllium	1.4 mg/kg	55 mg/kg	--	--	--	--	--	--
Cadmium	4.4 mg/kg	25 mg/kg	--	--	--	--	--	--
Chromium, total	1000000 mg/kg	44000 mg/kg	--	--	--	--	--	--
Copper	400 mg/kg	100 mg/kg	--	--	--	--	--	--
Lead	525 mg/kg	300 mg/kg	--	--	--	--	--	--
Mercury	1.6 MC mg/kg	0.5 mg/kg	--	--	--	--	--	--
Nickel	88 mg/kg	560 mg/kg	--	--	--	--	--	--
Selenium	1.5 mg/kg	160 mg/kg	--	--	--	--	--	--
Silver	3.9 mg/kg	160 mg/kg	--	--	--	--	--	--
Thallium		3 mg/kg	--	--	--	--	--	--
Zinc	1500 mg/kg	8700 mg/kg	--	--	--	--	--	--
SVOCs								
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.029 mg/kg	--	< 0.033 mg/kg	< 0.031 mg/kg	< 0.029 mg/kg	< 0.031 mg/kg
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.027 mg/kg	--	< 0.030 mg/kg	< 0.029 mg/kg	< 0.027 mg/kg	< 0.028 mg/kg
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.025 mg/kg	--	< 0.028 mg/kg	< 0.027 mg/kg	< 0.024 mg/kg	< 0.026 mg/kg
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.026 mg/kg	--	< 0.029 mg/kg	< 0.028 mg/kg	< 0.026 mg/kg	< 0.027 mg/kg
2,3,4,6-Tetrachlorophenol		636 mg/kg	< 0.041 mg/kg	--	< 0.046 mg/kg	< 0.044 mg/kg	< 0.040 mg/kg	< 0.043 mg/kg
2,4,5-Trichlorophenol		1920 mg/kg	< 0.026 mg/kg	--	< 0.029 mg/kg	< 0.028 mg/kg	< 0.026 mg/kg	< 0.027 mg/kg
2,4,6-Trichlorophenol	0.21 mg/kg	595 mg/kg	< 0.038 mg/kg	--	< 0.043 mg/kg	< 0.041 mg/kg	< 0.037 mg/kg	< 0.040 mg/kg
2,4-Dichlorophenol	0.076 mg/kg	48 mg/kg	< 0.038 mg/kg	--	< 0.043 mg/kg	< 0.041 mg/kg	< 0.037 mg/kg	< 0.040 mg/kg
2,4-Dimethylphenol	0.34 mg/kg	390 mg/kg	< 0.098 mg/kg	--	< 0.11 mg/kg	< 0.10 mg/kg	< 0.096 mg/kg	< 0.10 mg/kg
2,4-Dinitrophenol	0.014 mg/kg		< 0.063 mg/kg	--	< 0.071 mg/kg	< 0.067 mg/kg	< 0.062 mg/kg	< 0.066 mg/kg
2,4-Dinitrotoluene	0.001 mg/kg	50 mg/kg	< 0.023 mg/kg	--	< 0.026 mg/kg	< 0.024 mg/kg	< 0.022 mg/kg	< 0.024 mg/kg
2,6-Dichlorophenol			< 0.047 mg/kg	--	< 0.052 mg/kg	< 0.050 mg/kg	< 0.046 mg/kg	< 0.049 mg/kg
2,6-Dinitrotoluene	0.001 mg/kg	25 mg/kg	< 0.021 mg/kg	--	< 0.023 mg/kg	< 0.022 mg/kg	< 0.020 mg/kg	< 0.022 mg/kg
2-Chloronaphthalene			< 0.021 mg/kg	--	< 0.023 mg/kg	< 0.022 mg/kg	< 0.020 mg/kg	< 0.022 mg/kg
2-Chlorophenol	0.26 mg/kg		< 0.041 mg/kg	--	< 0.046 mg/kg	< 0.044 mg/kg	< 0.040 mg/kg	< 0.043 mg/kg
2-Methyl-4,6-dinitrophenol			< 0.080 mg/kg	--	< 0.090 mg/kg	< 0.086 mg/kg	< 0.079 mg/kg	< 0.084 mg/kg
2-Methylnaphthalene		100 mg/kg	< 0.030 mg/kg	--	< 0.034 mg/kg	< 0.033 mg/kg	< 0.030 mg/kg	< 0.032 mg/kg
2-Nitroaniline			< 0.022 mg/kg	--	< 0.024 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.023 mg/kg
2-Nitrophenol	0.6 mg/kg		< 0.039 mg/kg	--	< 0.044 mg/kg	< 0.042 mg/kg	< 0.038 mg/kg	< 0.041 mg/kg
3,3`-Dichlorobenzidine	0.36 mg/kg	25 mg/kg	< 0.42 mg/kg	--	< 0.48 mg/kg	< 0.45 mg/kg	< 0.41 mg/kg	< 0.44 mg/kg
3-Nitroaniline			< 0.036 mg/kg	--	< 0.040 mg/kg	< 0.038 mg/kg	< 0.035 mg/kg	< 0.038 mg/kg
4-Bromophenyl phenyl ether			< 0.018 mg/kg	--	< 0.021 mg/kg	< 0.020 mg/kg	< 0.018 mg/kg	< 0.019 mg/kg
4-Chloro-3-methylphenol			< 0.043 mg/kg	--	< 0.049 mg/kg	< 0.047 mg/kg	< 0.043 mg/kg	< 0.045 mg/kg
4-Chloroaniline			< 0.12 mg/kg	--	< 0.13 mg/kg	< 0.13 mg/kg	< 0.12 mg/kg	< 0.12 mg/kg
4-Chlorophenyl phenyl ether			< 0.025 mg/kg	--	< 0.028 mg/kg	< 0.027 mg/kg	< 0.024 mg/kg	< 0.026 mg/kg
4-Nitroaniline			< 0.025 mg/kg	--	< 0.028 mg/kg	< 0.027 mg/kg	< 0.024 mg/kg	< 0.026 mg/kg
4-Nitrophenol			< 0.11 mg/kg	--	< 0.12 mg/kg	< 0.12 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg
Acenaphthene	50 mg/kg	1200 mg/kg	< 0.030 mg/kg	--	< 0.034 mg/kg	< 0.033 mg/kg	< 0.030 mg/kg	< 0.032 mg/kg
Acenaphthylene			0.33 j mg/kg	--	< 0.028 mg/kg	< 0.027 mg/kg	< 0.024 mg/kg	< 0.026 mg/kg

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC1-SS2B		SOC1-SS2C	SOC1-SS3A	SOC1-SS3B	SOC1-SS3C
		Sample Date	06/11/2009		06/11/2009	06/11/2009	06/11/2009	06/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV						
Aniline			< 0.098 mg/kg	--	< 0.11 mg/kg	< 0.10 mg/kg	< 0.096 mg/kg	< 0.10 mg/kg
Anthracene	942 mg/kg	7880 mg/kg	0.29 j mg/kg	--	< 0.030 mg/kg	< 0.029 mg/kg	< 0.027 mg/kg	< 0.028 mg/kg
Azobenzene			< 0.022 mg/kg	--	< 0.024 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.023 mg/kg
Benzidine			< 0.78 mg/kg	--	< 0.88 mg/kg	< 0.84 mg/kg	< 0.77 mg/kg	< 0.82 mg/kg
Benzo(g,h,i)perylene			1.2 mg/kg	--	< 0.037 mg/kg	< 0.035 mg/kg	< 0.032 mg/kg	< 0.034 mg/kg
Benzoic Acid	30 mg/kg	50000 mg/kg	0.52 mg/kg	--	0.44 mg/kg	< 0.067 mg/kg	< 0.062 mg/kg	< 0.066 mg/kg
Benzyl alcohol		8700 mg/kg	< 0.13 mg/kg	--	< 0.15 mg/kg	< 0.14 mg/kg	< 0.13 mg/kg	< 0.14 mg/kg
Bis(2-chloroethoxy)methane			< 0.023 mg/kg	--	< 0.026 mg/kg	< 0.024 mg/kg	< 0.022 mg/kg	< 0.024 mg/kg
Bis(2-chloroethyl)ether	0.001 mg/kg	2.5 mg/kg	< 0.026 mg/kg	--	< 0.029 mg/kg	< 0.028 mg/kg	< 0.026 mg/kg	< 0.027 mg/kg
Bis(2-chloroisopropyl)ether	0.67 mg/kg		< 0.024 mg/kg	--	< 0.027 mg/kg	< 0.026 mg/kg	< 0.023 mg/kg	< 0.025 mg/kg
Bis(2-ethylhexyl)phthalate	40 mg/kg	570 mg/kg	< 0.022 mg/kg	--	< 0.024 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.023 mg/kg
Butyl benzyl phthalate	28 mg/kg	580 mg/kg	< 0.023 mg/kg	--	< 0.026 mg/kg	< 0.024 mg/kg	< 0.022 mg/kg	< 0.024 mg/kg
Carbazole		700 mg/kg	0.061 j mg/kg	--	< 0.027 mg/kg	< 0.026 mg/kg	< 0.023 mg/kg	< 0.025 mg/kg
Dibenzofuran		104 mg/kg	< 0.021 mg/kg	--	< 0.023 mg/kg	< 0.022 mg/kg	< 0.020 mg/kg	< 0.022 mg/kg
Diethyl phthalate	18 mg/kg		< 0.016 mg/kg	--	< 0.018 mg/kg	< 0.017 mg/kg	< 0.016 mg/kg	< 0.017 mg/kg
Dimethyl phthalate	172 mg/kg		< 0.020 mg/kg	--	< 0.022 mg/kg	< 0.021 mg/kg	< 0.019 mg/kg	< 0.020 mg/kg
Di-n-butyl phthalate	23 mg/kg	2440 mg/kg	< 0.040 mg/kg	--	< 0.045 mg/kg	< 0.043 mg/kg	< 0.039 mg/kg	< 0.042 mg/kg
Di-n-octyl phthalate		520 mg/kg	< 0.027 mg/kg	--	< 0.030 mg/kg	< 0.029 mg/kg	< 0.027 mg/kg	< 0.028 mg/kg
Fluoranthene	295 mg/kg	1080 mg/kg	0.40 mg/kg	--	< 0.029 mg/kg	< 0.028 mg/kg	< 0.026 mg/kg	< 0.027 mg/kg
Fluorene	47 mg/kg	850 mg/kg	< 0.020 mg/kg	--	< 0.022 mg/kg	< 0.021 mg/kg	< 0.019 mg/kg	< 0.020 mg/kg
Hexachlorobenzene	0.32 mg/kg	5 mg/kg	< 0.017 mg/kg	--	< 0.020 mg/kg	< 0.019 mg/kg	< 0.017 mg/kg	< 0.018 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.036 mg/kg	--	< 0.040 mg/kg	< 0.038 mg/kg	< 0.035 mg/kg	< 0.038 mg/kg
Hexachlorocyclopentadiene	4.4 mg/kg	2 mg/kg	< 0.045 mg/kg	--	< 0.050 mg/kg	< 0.048 mg/kg	< 0.044 mg/kg	< 0.047 mg/kg
Hexachloroethane	0.05 mg/kg		< 0.030 mg/kg	--	< 0.034 mg/kg	< 0.033 mg/kg	< 0.030 mg/kg	< 0.032 mg/kg
Isophorone	0.16 mg/kg		< 0.018 mg/kg	--	< 0.021 mg/kg	< 0.020 mg/kg	< 0.018 mg/kg	< 0.019 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.032 mg/kg	--	< 0.035 mg/kg	< 0.034 mg/kg	< 0.031 mg/kg	< 0.033 mg/kg
Nitrobenzene			< 0.033 mg/kg	--	< 0.037 mg/kg	< 0.035 mg/kg	< 0.032 mg/kg	< 0.034 mg/kg
N-Nitrosodimethylamine	0.82 mg/kg		< 0.035 mg/kg	--	< 0.039 mg/kg	< 0.037 mg/kg	< 0.034 mg/kg	< 0.036 mg/kg
N-Nitrosodi-n-propylamine		0.7 mg/kg	< 0.027 mg/kg	--	< 0.030 mg/kg	< 0.029 mg/kg	< 0.027 mg/kg	< 0.028 mg/kg
N-Nitrosodiphenylamine	0.88 mg/kg	1950 mg/kg	< 0.020 mg/kg	--	< 0.022 mg/kg	< 0.021 mg/kg	< 0.019 mg/kg	< 0.020 mg/kg
o-Cresol	0.064 mg/kg	75 mg/kg	< 0.038 mg/kg	--	< 0.043 mg/kg	< 0.041 mg/kg	< 0.037 mg/kg	< 0.040 mg/kg
p-Cresol	0.033 mg/kg	10 mg/kg	< 0.029 mg/kg	--	< 0.033 mg/kg	< 0.031 mg/kg	< 0.029 mg/kg	< 0.031 mg/kg
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.10 mg/kg	--	< 0.12 mg/kg	< 0.11 mg/kg	< 0.10 mg/kg	< 0.11 mg/kg
Phenanthrene			0.057 j mg/kg	--	< 0.023 mg/kg	< 0.022 mg/kg	< 0.020 mg/kg	< 0.022 mg/kg
Phenol	7.8 mg/kg	1500 mg/kg	< 0.062 mg/kg	--	< 0.070 mg/kg	< 0.066 mg/kg	< 0.061 mg/kg	< 0.065 mg/kg
Pyrene	272 mg/kg	890 mg/kg	0.93 mg/kg	--	< 0.028 mg/kg	< 0.027 mg/kg	< 0.024 mg/kg	< 0.026 mg/kg
Benzo(a)anthracene	T	T	0.80 mg/kg	--	< 0.033 mg/kg	< 0.031 mg/kg	< 0.029 mg/kg	< 0.031 mg/kg
Benzo(a)pyrene	T	T	2.0 mg/kg	--	< 0.033 mg/kg	< 0.031 mg/kg	< 0.029 mg/kg	< 0.031 mg/kg
Benzo(b)fluoranthene	T	T	2.7 mg/kg	--	< 0.041 mg/kg	< 0.040 mg/kg	< 0.036 mg/kg	< 0.039 mg/kg
Benzo(k)fluoranthene	T	T	0.84 mg/kg	--	< 0.038 mg/kg	< 0.036 mg/kg	< 0.033 mg/kg	< 0.035 mg/kg
Chrysene	T	T	1.3 mg/kg	--	< 0.040 mg/kg	< 0.038 mg/kg	< 0.035 mg/kg	< 0.038 mg/kg
Dibenz(a,h)anthracene	T	T	0.38 mg/kg	--	< 0.041 mg/kg	< 0.040 mg/kg	< 0.036 mg/kg	< 0.039 mg/kg
Indeno(1,2,3-cd)pyrene	T	T	1.6 mg/kg	--	< 0.039 mg/kg	< 0.037 mg/kg	< 0.034 mg/kg	< 0.036 mg/kg
BaP equivalent, non-detects at zero for the detection limit.[1]	10.2 T mg/kg	2 T mg/kg	2.8 mg/kg	--	ND	ND	ND	ND
VOCs								

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC1-SS2B		SOC1-SS2C	SOC1-SS3A	SOC1-SS3B	SOC1-SS3C
		Sample Date	06/11/2009		06/11/2009	06/11/2009	06/11/2009	06/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV						
1,1,1,2-Tetrachloroethane	1.4 mg/kg	31 mg/kg	--	--	--	--	--	--
1,1,1-Trichloroethane	3.5 mg/kg	140 mg/kg	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.005 mg/kg	3.5 mg/kg	--	--	--	--	--	--
1,1,2-Trichloroethane	0.01 mg/kg	9 mg/kg	--	--	--	--	--	--
1,1-Dichloro-1-propene			--	--	--	--	--	--
1,1-Dichloroethane	0.18 mg/kg	34 mg/kg	--	--	--	--	--	--
1,1-Dichloroethylene	0.025 mg/kg	20 mg/kg	--	--	--	--	--	--
1,2,3-Trichlorobenzene			--	--	--	--	--	--
1,2,3-Trichloropropane	0.35 mg/kg		--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	--	--	--	--	--	--
1,2,4-Trimethylbenzene		8 mg/kg	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	0.001 mg/kg		--	--	--	--	--	--
1,2-Dibromoethane	0.00001 mg/kg	0.3 mg/kg	--	--	--	--	--	--
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	--	--	--	--	--	--
1,2-Dichloroethane	0.01 mg/kg	4 mg/kg	--	--	--	--	--	--
1,2-Dichloroethylene, cis	0.14 mg/kg	8 mg/kg	--	--	--	--	--	--
1,2-Dichloroethylene, trans	0.27 mg/kg	11 mg/kg	--	--	--	--	--	--
1,2-Dichloropropane	0.011 mg/kg	4 mg/kg	--	--	--	--	--	--
1,3,5-Trimethylbenzene		3 mg/kg	--	--	--	--	--	--
1,3-Dichloro-1-propene trans	0.005 mg/kg		--	--	--	--	--	--
1,3-Dichloro-1-propene, cis	0.005 mg/kg		--	--	--	--	--	--
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	--	--	--	--	--	--
1,3-Dichloropropane			--	--	--	--	--	--
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	--	--	--	--	--	--
2,2-Dichloropropane			--	--	--	--	--	--
Acetone	0.7 mg/kg	340 mg/kg	--	--	--	--	--	--
Allyl Chloride	0.032 mg/kg		--	--	--	--	--	--
Benzene	0.034 mg/kg	6 mg/kg	--	--	--	--	--	--
Bromobenzene			--	--	--	--	--	--
Bromochloromethane	0.15 mg/kg		--	--	--	--	--	--
Bromodichloromethane	0.013 mg/kg	10 mg/kg	--	--	--	--	--	--
Bromoform	0.14 mg/kg	370 mg/kg	--	--	--	--	--	--
Bromomethane	0.5 mg/kg	0.7 mg/kg	--	--	--	--	--	--
Butyl benzene		30 mg/kg	--	--	--	--	--	--
Butylbenzene sec		25 mg/kg	--	--	--	--	--	--
Butylbenzene tert-		30 mg/kg	--	--	--	--	--	--
Carbon tetrachloride	0.023 mg/kg	0.3 mg/kg	--	--	--	--	--	--
Chlorobenzene	1.1 mg/kg	11 mg/kg	--	--	--	--	--	--
Chlorodibromomethane	0.03 mg/kg	12 mg/kg	--	--	--	--	--	--
Chloroethane		1000 mg/kg	--	--	--	--	--	--
Chloroform	0.17 mg/kg	2.5 mg/kg	--	--	--	--	--	--
Chloromethane	0.006 mg/kg	8 mg/kg	--	--	--	--	--	--
Chlorotoluene o-		436 mg/kg	--	--	--	--	--	--
Chlorotoluene p-			--	--	--	--	--	--
Cumene (isopropyl benzene)	18 mg/kg	30 mg/kg	--	--	--	--	--	--
Cymene p- (Toluene isopropyl p-)			--	--	--	--	--	--

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC1-SS2B		SOC1-SS2C	SOC1-SS3A	SOC1-SS3B	SOC1-SS3C
		Sample Date	06/11/2009		06/11/2009	06/11/2009	06/11/2009	06/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV						
Dibromomethane (methylene bromide)		260 mg/kg	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	38 mg/kg	16 mg/kg	--	--	--	--	--	--
Dichlorofluoromethane (CFC-21)			--	--	--	--	--	--
Ethyl benzene	4.7 mg/kg	200 mg/kg	--	--	--	--	--	--
Ethyl ether	1.2 mg/kg		--	--	--	--	--	--
Hexachlorobutadiene	25 mg/kg	6 mg/kg	--	--	--	--	--	--
Methyl ethyl ketone	6.4 mg/kg	5500 mg/kg	--	--	--	--	--	--
Methyl isobutyl ketone	0.42 mg/kg	1700 mg/kg	--	--	--	--	--	--
Methyl tertiary butyl ether (MTBE)	0.027 mg/kg		--	--	--	--	--	--
Methylene chloride	0.068 mg/kg	97 mg/kg	--	--	--	--	--	--
Naphthalene	7.5 mg/kg	10 mg/kg	--	--	--	--	--	--
Propylbenzene		30 mg/kg	--	--	--	--	--	--
Styrene	1.9 mg/kg	210 mg/kg	--	--	--	--	--	--
Tetrachloroethylene	0.068 mg/kg	72 mg/kg	--	--	--	--	--	--
Tetrahydrofuran	0.16 mg/kg		--	--	--	--	--	--
Toluene	6.4 mg/kg	107 mg/kg	--	--	--	--	--	--
Trichloroethylene	0.14 mg/kg	29 mg/kg	--	--	--	--	--	--
Trichlorofluoromethane	22 mg/kg	67 mg/kg	--	--	--	--	--	--
Trichlorotrifluoroethane (Freon 113)	2580 mg/kg	3745 mg/kg	--	--	--	--	--	--
Vinyl chloride	0.001 mg/kg	0.8 mg/kg	--	--	--	--	--	--
Xylenes, total	45 M mg/kg	45 M mg/kg	--	--	--	--	--	--
Pesticides								
2,4,5-TP (Silvex)			--	--	--	--	--	--
2,4,5-Trichlorophenoxyacetic acid		290 mg/kg	--	--	--	--	--	--
2,4-D		285 mg/kg	--	--	--	--	--	--
2,4-DB		226 mg/kg	--	--	--	--	--	--
Acetochlor			--	--	--	--	--	--
Alachlor (Lasso)			--	--	--	--	--	--
Atrazine (Primatol)			--	--	--	--	--	--
Bentazone			--	--	--	--	--	--
Chlorpyrifos (Lorsban)			--	--	--	--	--	--
Cyanazine (Bladex)			--	--	--	--	--	--
Deisopropyl atrazine			--	--	--	--	--	--
Desethylatrazine			--	--	--	--	--	--
Dicamba			--	--	--	--	--	--
Dimethenamid			--	--	--	--	--	--
Dinoseb (DNBP)			--	--	--	--	--	--
EPTC (Eradicane)			--	--	--	--	--	--
Ethalfluralin (Sonalan)			--	--	--	--	--	--
Fonofos (Dyphonate)			--	--	--	--	--	--
MCPA		16 mg/kg	--	--	--	--	--	--
Metolachlor (Dual)		435 mg/kg	--	--	--	--	--	--
Metribuzin (Sencor, Lexone)			--	--	--	--	--	--
Pendimethalin (Prowl)			--	--	--	--	--	--
Pentachlorophenol	0.034 mg/kg	80 mg/kg	--	--	--	--	--	--
Phorate (Thimet)			--	--	--	--	--	--

Table 3
SOC 1 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC1-SS2B		SOC1-SS2C	SOC1-SS3A	SOC1-SS3B	SOC1-SS3C
		Sample Date	06/11/2009		06/11/2009	06/11/2009	06/11/2009	06/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV						
Picloram		2000 mg/kg	--	--	--	--	--	--
Prometon (Pramitol)			--	--	--	--	--	--
Propachlor (Ramrod)			--	--	--	--	--	--
Propazine (Milogard)			--	--	--	--	--	--
Simazine (Princep)			--	--	--	--	--	--
Terbufos (Counter)		0.6 mg/kg	--	--	--	--	--	--
Triallate (Far-Go)			--	--	--	--	--	--
Triclopyr			--	--	--	--	--	--
Trifluralin (Treflan)			--	--	--	--	--	--
Explosives								
Nitrocellulose			--	--	--	--	--	--

Data Qualifiers/Footnotes	
Qualifier	**Definition**
--	Not analyzed/not available.
a	Estimated value, calculated using some or all values that are estimates.
b	Potential false positive value based on blank data validation procedures.
c	Coeluting compound.
e	Estimated value, exceeded the instrument calibration range.
h	EPA recommended sample preservation, extraction or analysis holding time was exceeded.
I	Indeterminate value based on failure of blind duplicate data to meet quality assurance criteria.
j	Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.
p	Relative percent difference is >40% (25% CLP pesticides) between primary and confirmation GC columns.
r	The presence of the compound is suspect based on the ID criteria of the retention time and relative retention time obtained from the examination of the chromatograms.
*	Estimated value, QA/QC criteria not met.
**	Unusable value, QA/QC criteria not met.
ND	Not detected.

Data Qualifiers / Footnotes

	Qualifier	Definition
MN Tier I SLV	DI	Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
	M	Value represents the criteria for mixed Xylenes.
	MC	Mercury as Mercuric Chloride.
	NA	Not Applicable.
	T	Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Chrysene and Indeno(1,2.3-cd)pyrene.
MN Tier I SRV	DI	Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
	M	Value represents the criteria for mixed Xylenes.
	T	Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Chrysene and Indeno(1,2.3-cd)pyrene.

1 Total BaP equivalence (2002) calculated using zero for the detection limit on the non detected compounds.

	CAS No.	Site Conc. (mg/kg) dry weight	Relative Potency Factor	BaP Equivalent (mg/kg)
Benzo(a)anthracene	56553	0.000	0.1	0.000
Benzo(b)fluoranthene	205992	0.000	0.1	0.000
Benzo(k)fluoranthene	207089	0.000	0.1	0.000
Benzo(a)pyrene	50328	0.000	1	0.000
Chrysene	218019	0.000	0.01	0.000
Dibenz(a,h)anthracene	53703	0.000	0.56	0.000
Indeno(1,2,3-cd)pyrene	193395	0.000	0.1	0.000
		Total BaP equivalence = compare this value to the BaP criteria		0.000

Table 4
SOC 1 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC1-GP1		SOC1-GP3		SOC1-GP3R
			Sample Date	6/8/2009		6/9/2009		9/11/2009
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table						
Effective Date	5/1/2009	6/2/2009						
Exceedance Key	No Exceedance	No Exceedance						
General Parameters								
Nitrate + Nitrite	10 mg/l		9.02 mg/l	--	2.46 mg/l	--	--	
Nitrogen total kjeldahl			< 0.55 mg/l	--	0.93 mg/l	--	--	
Perchlorate			--	--	< 4.0 ug/l	< 4.0 ug/l	--	
Metals								
Antimony	6 ug/l	6 HRL93 ug/l	< 0.50 ug/l	--	**	--	<0.046 ug/l	
Arsenic	10 ug/l		< 10 ug/l	--	**	--	<10 ug/l	
Beryllium	4 ug/l	0.08 HRL93 ug/l	< 0.50 * ug/l	--	**	--	<0.027 ug/l	
Cadmium	5 ug/l	4 HRL93 ug/l	< 1.0 ug/l	--	**	--	<1.0 ug/l	
Chromium, total	100 ug/l	100 CR ug/l	< 10 ug/l	--	**	--	<10 ug/l	
Copper	1300 TT (7) ug/l		< 20 ug/l	--	**	--	<20 ug/l	
Lead	15 TT(7) ug/l		< 3.0 ug/l	--	**	--	<3.0 ug/l	
Mercury	2 ug/l		< 0.20 ug/l	--	**	--	<0.20 ug/l	
Nickel		100 HRL93 ug/l	< 5.0 ug/l	--	**	--	<5.0 ug/l	
Selenium	50 ug/l	30 HRL93 ug/l	< 20 ug/l	--	**	--	<20 ug/l	
Silver		30 HRL93 ug/l	< 5.0 ug/l	--	**	--	<5.0 ug/l	
Thallium	2 ug/l	0.6 HRL94 ug/l	< 0.50 ug/l	--	**	--	<0.0081 ug/l	
Zinc		2000 HRL94 ug/l	< 20 ug/l	--	**	--	<20	
SVOCs								
1,2,4-Trichlorobenzene	70 ug/l		< 0.18 ug/l	< 0.18 ug/l	< 0.18 ug/l	--	--	
1,2-Dichlorobenzene	600 ug/l	600 HRL93 ug/l	< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l	--	--	
1,3-Dichlorobenzene			< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l	--	--	
1,4-Dichlorobenzene	75 ug/l	10 HRL94 ug/l	< 0.20 ug/l	< 0.20 ug/l	< 0.20 ug/l	--	--	
2,3,4,6-Tetrachlorophenol			< 0.56 ug/l	< 0.56 ug/l	< 0.56 ug/l	--	--	
2,4,5-Trichlorophenol			< 0.74 ug/l	< 0.74 ug/l	< 0.74 ug/l	--	--	
2,4,6-Trichlorophenol		30 HRL93 ug/l	< 0.44 ug/l	< 0.44 ug/l	< 0.44 ug/l	--	--	
2,4-Dichlorophenol		20 HRL93 ug/l	< 0.44 ug/l	< 0.44 ug/l	< 0.44 ug/l	--	--	
2,4-Dimethylphenol		100 HRL93 ug/l	< 1.5 ug/l	< 1.5 ug/l	< 1.5 ug/l	--	--	
2,4-Dinitrophenol		10 HRL94 ug/l	< 0.93 ug/l	< 0.93 ug/l	< 0.93 ug/l	--	--	
2,4-Dinitrotoluene			< 0.31 ug/l	< 0.31 ug/l	< 0.31 ug/l	--	--	
2,6-Dichlorophenol			< 0.44 ug/l	< 0.44 ug/l	< 0.44 ug/l	--	--	
2,6-Dinitrotoluene			< 0.33 ug/l	< 0.33 ug/l	< 0.33 ug/l	--	--	
2-Chloronaphthalene			< 0.26 ug/l	< 0.26 ug/l	< 0.26 ug/l	--	--	
2-Chlorophenol		30 HRL93 ug/l	< 0.42 ug/l	< 0.42 ug/l	< 0.42 ug/l	--	--	
2-Methyl-4,6-dinitrophenol			< 0.60 ug/l	< 0.60 ug/l	< 0.60 ug/l	--	--	
2-Methylnaphthalene			< 0.61 ug/l	< 0.61 ug/l	< 0.61 ug/l	--	--	
2-Nitroaniline			< 0.67 ug/l	< 0.67 ug/l	< 0.67 ug/l	--	--	
2-Nitrophenol			< 0.83 ug/l	< 0.83 ug/l	< 0.83 ug/l	--	--	
3,3`-Dichlorobenzidine		0.8 HRL93 ug/l	< 6.8 ug/l	< 6.8 ug/l	< 6.8 ug/l	--	--	
3-Nitroaniline			< 1.1 ug/l	< 1.1 ug/l	< 1.1 ug/l	--	--	
4-Bromophenyl phenyl ether			< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	--	--	
4-Chloro-3-methylphenol			< 0.51 ug/l	< 0.51 ug/l	< 0.51 ug/l	--	--	
4-Chloroaniline			< 2.1 ug/l	< 2.1 ug/l	< 2.1 ug/l	--	--	

Table 4
SOC 1 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	SOC1-GP1		SOC1-GP3		SOC1-GP3R
		Sample Date	6/8/2009		6/9/2009		9/11/2009
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table					
4-Chlorophenyl phenyl ether			< 0.23 ug/l	< 0.23 ug/l	< 0.23 ug/l	--	--
4-Nitroaniline			< 0.55 ug/l	< 0.55 ug/l	< 0.55 ug/l	--	--
4-Nitrophenol			< 1.1 ug/l	< 1.1 ug/l	< 1.1 ug/l	--	--
Acenaphthene		400 HRL93 ug/l	< 0.33 ug/l	< 0.33 ug/l	< 0.33 ug/l	--	--
Acenaphthylene			< 0.23 ug/l	< 0.23 ug/l	< 0.23 ug/l	--	--
Aniline			< 2.0 ug/l	< 2.0 ug/l	< 2.0 ug/l	--	--
Anthracene		2000 HRL93 ug/l	< 0.34 ug/l	< 0.34 ug/l	< 0.34 ug/l	--	--
Azobenzene			< 0.22 ug/l	< 0.22 ug/l	< 0.22 ug/l	--	--
Benzidine			< 17 ug/l	< 17 ug/l	< 17 ug/l	--	--
Benzo(a)anthracene			< 0.34 ug/l	< 0.34 ug/l	< 0.34 ug/l	--	--
Benzo(a)pyrene	0.2 ug/l		< 0.27 ug/l	< 0.27 ug/l	< 0.27 ug/l	--	--
Benzo(b)fluoranthene			< 0.20 ug/l	< 0.20 ug/l	< 0.20 ug/l	--	--
Benzo(g,h,i)perylene			< 0.24 ug/l	< 0.24 ug/l	< 0.24 ug/l	--	--
Benzo(k)fluoranthene			< 0.29 ug/l	< 0.29 ug/l	< 0.29 ug/l	--	--
Benzoic Acid		30000 HRL93 ug/l	< 1.1 ug/l	< 1.1 ug/l	< 1.1 ug/l	--	--
Benzyl alcohol			< 0.50 ug/l	< 0.50 ug/l	< 0.50 ug/l	--	--
Bis(2-chloroethoxy)methane			< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l	--	--
Bis(2-chloroethyl)ether		0.3 HRL93 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	--	--
Bis(2-chloroisopropyl)ether			< 0.18 ug/l	< 0.18 ug/l	< 0.18 ug/l	--	--
Bis(2-ethylhexyl)phthalate	6 ug/l		< 0.40 ug/l	< 0.40 ug/l	< 0.40 ug/l	--	--
Butyl benzyl phthalate		100 HRL93 ug/l	< 0.34 ug/l	< 0.34 ug/l	< 0.34 ug/l	--	--
Carbazole			< 0.24 ug/l	< 0.24 ug/l	< 0.24 ug/l	--	--
Chrysene			< 0.25 ug/l	< 0.25 ug/l	< 0.25 ug/l	--	--
Dibenz(a,h)anthracene			< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l	--	--
Dibenzofuran			< 0.36 ug/l	< 0.36 ug/l	< 0.36 ug/l	--	--
Diethyl phthalate		6000 HRL93 ug/l	7.9 * ug/l	< 0.21 * ug/l	< 0.21 ug/l	--	--
Dimethyl phthalate		70000 HRL94 ug/l	< 0.22 ug/l	< 0.22 ug/l	< 0.22 ug/l	--	--
Di-n-butyl phthalate		700 HRL93 ug/l	< 0.26 ug/l	< 0.26 ug/l	< 0.26 ug/l	--	--
Di-n-octyl phthalate			< 0.35 ug/l	< 0.35 ug/l	< 0.35 ug/l	--	--
Fluoranthene		300 HRL93 ug/l	< 0.36 ug/l	< 0.36 ug/l	< 0.36 ug/l	--	--
Fluorene		300 HRL93 ug/l	< 0.37 ug/l	< 0.37 ug/l	< 0.37 ug/l	--	--
Hexachlorobenzene	1 ug/l	0.2 HRL93 ug/l	< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l	--	--
Hexachlorobutadiene		1 HRL93 ug/l	< 0.24 ug/l	< 0.24 ug/l	< 0.24 ug/l	--	--
Hexachlorocyclopentadiene	50 ug/l		< 0.29 ug/l	< 0.29 ug/l	< 0.29 ug/l	--	--
Hexachloroethane			< 0.29 ug/l	< 0.29 ug/l	< 0.29 ug/l	--	--
Indeno(1,2,3-cd)pyrene			< 0.29 ug/l	< 0.29 ug/l	< 0.29 ug/l	--	--
Isophorone		100 HRL93 ug/l	< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l	--	--
Naphthalene		300 HRL94 ug/l	< 0.34 ug/l	< 0.34 ug/l	< 0.34 ug/l	--	--
Nitrobenzene			< 0.36 ug/l	< 0.36 ug/l	< 0.36 ug/l	--	--
N-Nitrosodimethylamine			< 0.88 ug/l	< 0.88 ug/l	< 0.88 ug/l	--	--
N-Nitrosodi-n-propylamine			< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l	--	--
N-Nitrosodiphenylamine		70 HRL93 ug/l	< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l	--	--
o-Cresol		30 HRL93 ug/l	< 0.58 ug/l	< 0.58 ug/l	< 0.58 ug/l	--	--
p-Cresol		3 HRL94 ug/l	< 0.73 ug/l	< 0.73 ug/l	< 0.73 ug/l	--	--
Pentachlorophenol	1 ug/l		< 0.55 ug/l	< 0.55 ug/l	< 0.55 ug/l	--	--

Table 4
SOC 1 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	SOC1-GP1		SOC1-GP3		SOC1-GP3R
		Sample Date	6/8/2009		6/9/2009		9/11/2009
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table					
Phenanthrene			< 0.36 ug/l	< 0.36 ug/l	< 0.36 ug/l	--	--
Phenol		4000 HRL93 ug/l	< 0.53 ug/l	< 0.53 ug/l	< 0.53 ug/l	--	--
Pyrene		200 HRL93 ug/l	< 0.44 ug/l	< 0.44 ug/l	< 0.44 ug/l	--	--
VOCs							
1,1,1,2-Tetrachloroethane		70 HRL93 ug/l	< 0.28 ug/l	< 0.28 ug/l	< 0.28 ug/l	--	--
1,1,1-Trichloroethane	200 ug/l	9000 HRL08 (1) ug/l	< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l	--	--
1,1,2,2-Tetrachloroethane		2 HRL94 ug/l	< 0.13 ug/l	< 0.13 ug/l	< 0.13 ug/l	--	--
1,1,2-Trichloroethane	5 ug/l	3 HRL93 ug/l	< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l	--	--
1,1-Dichloro-1-propene			< 0.15 ug/l	< 0.15 ug/l	< 0.15 ug/l	--	--
1,1-Dichloroethane		100 RAA (1) ug/l	< 0.11 ug/l	< 0.11 ug/l	< 0.11 ug/l	--	--
1,1-Dichloroethylene	7 ug/l	200 HBV09 (1) ug/l	< 0.12 ug/l	< 0.12 ug/l	< 0.12 ug/l	--	--
1,2,3-Trichlorobenzene			< 0.47 ug/l	< 0.47 ug/l	< 0.47 ug/l	--	--
1,2,3-Trichloropropane		40 HRL93 ug/l	< 0.24 ug/l	< 0.24 ug/l	< 0.24 ug/l	--	--
1,2,4-Trichlorobenzene	70 ug/l		< 0.32 ug/l	< 0.32 ug/l	< 0.32 ug/l	--	--
1,2,4-Trimethylbenzene			< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l	--	--
1,2-Dibromo-3-chloropropane	0.2 ug/l		< 0.60 ug/l	< 0.60 ug/l	< 0.60 ug/l	--	--
1,2-Dibromoethane	0.05 ug/l	0.004 HRL93 ug/l	< 0.37 ug/l	< 0.37 ug/l	< 0.37 ug/l	--	--
1,2-Dichlorobenzene	600 ug/l	600 HRL93 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	--	--
1,2-Dichloroethane	5 ug/l	4 HRL93 ug/l	< 0.18 ug/l	< 0.18 ug/l	< 0.18 ug/l	--	--
1,2-Dichloroethylene, cis	70 ug/l	50 HRL08 (1) ug/l	< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l	--	--
1,2-Dichloroethylene, trans	100 ug/l	100 HRL93 ug/l	< 0.29 ug/l	< 0.29 ug/l	< 0.29 ug/l	--	--
1,2-Dichloropropane	5 ug/l	5 HRL94 ug/l	< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l	--	--
1,3,5-Trimethylbenzene		100 HRL08 (1)(2) ug/l	< 0.18 ug/l	< 0.18 ug/l	< 0.18 ug/l	--	--
1,3-Dichloro-1-propene trans			< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l	--	--
1,3-Dichloro-1-propene, cis			< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	--	--
1,3-Dichlorobenzene			< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l	--	--
1,3-Dichloropropane		2 HRL94 ug/l	< 0.15 ug/l	< 0.15 ug/l	< 0.15 ug/l	--	--
1,4-Dichlorobenzene	75 ug/l	10 HRL94 ug/l	< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l	--	--
2,2-Dichloropropane			< 0.58 ug/l	< 0.58 ug/l	< 0.58 ug/l	--	--
Acetone		700 HRL93 ug/l	< 2.8 ug/l	< 2.8 ug/l	< 2.8 ug/l	--	--
Allyl Chloride		30 HRL94 ug/l	< 0.76 ug/l	< 0.76 ug/l	< 0.76 ug/l	--	--
Benzene	5 ug/l	2 HRL08 (1) ug/l	< 0.093 ug/l	< 0.093 ug/l	< 0.093 ug/l	--	--
Bromobenzene			< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l	--	--
Bromochloromethane			< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l	--	--
Bromodichloromethane	80 (2) ug/l	6 HRL93 ug/l	< 0.22 ug/l	< 0.22 ug/l	< 0.22 ug/l	--	--
Bromoform	80 (2) ug/l	40 HRL93 ug/l	< 0.50 ug/l	< 0.50 ug/l	< 0.50 ug/l	--	--
Bromomethane		10 HRL93 ug/l	< 0.95 ug/l	< 0.95 ug/l	< 0.95 ug/l	--	--
Butyl benzene			< 0.32 ug/l	< 0.32 ug/l	< 0.32 ug/l	--	--
Butylbenzene sec			< 0.22 ug/l	< 0.22 ug/l	< 0.22 ug/l	--	--
Butylbenzene tert-			< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l	--	--
Carbon tetrachloride	5 ug/l	3 HRL93 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l	--	--
Chlorobenzene	100 ug/l	100 HRL93 ug/l	< 0.15 ug/l	< 0.15 ug/l	< 0.15 ug/l	--	--
Chlorodibromomethane	80 (2) ug/l	10 HRL93 ug/l	< 0.50 ug/l	< 0.50 ug/l	< 0.50 ug/l	--	--
Chloroethane			< 0.46 ug/l	< 0.46 ug/l	< 0.46 ug/l	--	--
Chloroform	80 (2) ug/l	30 HRL08 (1)(2) ug/l	< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l	--	--

Table 4
SOC 1 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	SOC1-GP1		SOC1-GP3		SOC1-GP3R
		Sample Date	6/8/2009		6/9/2009		9/11/2009
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table					
Chloromethane			< 0.37 ug/l	< 0.37 ug/l	< 0.37 ug/l	--	--
Chlorotoluene o-			< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l	--	--
Chlorotoluene p-			< 0.14 ug/l	< 0.14 ug/l	< 0.14 ug/l	--	--
Cumene (isopropyl benzene)		300 HRL93 ug/l	< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l	--	--
Cymene p- (Toluene isopropyl p-)			< 0.30 ug/l	< 0.30 ug/l	< 0.30 ug/l	--	--
Dibromomethane (methylene bromide)			< 0.30 ug/l	< 0.30 ug/l	< 0.30 ug/l	--	--
Dichlorodifluoromethane (CFC-12)		700 HBV09 (1) ug/l	< 0.58 ug/l	< 0.58 ug/l	< 0.58 ug/l	--	--
Dichlorofluoromethane (CFC-21)			< 0.31 ug/l	< 0.31 ug/l	< 0.31 ug/l	--	--
Ethyl benzene	700 ug/l	700 HRL93 ug/l	< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l	--	--
Ethyl ether		1000 HRL93 ug/l	< 0.53 ug/l	< 0.53 ug/l	< 0.53 ug/l	--	--
Hexachlorobutadiene		1 HRL93 ug/l	< 0.76 ug/l	< 0.76 ug/l	< 0.76 ug/l	--	--
Methyl ethyl ketone		4000 HRL94 ug/l	< 0.67 ug/l	< 0.67 ug/l	< 0.67 ug/l	--	--
Methyl isobutyl ketone		300 HRL94 ug/l	< 1.1 ug/l	< 1.1 ug/l	< 1.1 ug/l	--	--
Methyl tertiary butyl ether (MTBE)			< 0.13 ug/l	< 0.13 ug/l	< 0.13 ug/l	--	--
Methylene chloride	5 ug/l		< 0.65 ug/l	< 0.65 ug/l	< 0.65 ug/l	--	--
Naphthalene		300 HRL94 ug/l	< 0.40 ug/l	< 0.40 ug/l	< 0.40 ug/l	--	--
Propylbenzene			< 0.13 ug/l	< 0.13 ug/l	< 0.13 ug/l	--	--
Styrene	100 ug/l		< 0.13 ug/l	< 0.13 ug/l	< 0.13 ug/l	--	--
Tetrachloroethylene	5 ug/l		< 0.20 ug/l	< 0.20 ug/l	< 0.20 ug/l	--	--
Tetrahydrofuran			< 0.77 ug/l	< 0.77 ug/l	< 0.77 ug/l	--	--
Toluene	1000 ug/l	1000 HRL93 ug/l	< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l	--	--
Trichloroethylene	5 ug/l		< 0.20 ug/l	< 0.20 ug/l	< 0.20 ug/l	--	--
Trichlorofluoromethane		2000 HRL93 ug/l	< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l	--	--
Trichlorotrifluoroethane (Freon 113)		200000 HRL93 ug/l	< 0.28 ug/l	< 0.28 ug/l	< 0.28 ug/l	--	--
Vinyl chloride	2 ug/l	0.2 HRL08 (1) ug/l	< 0.087 ug/l	< 0.087 ug/l	< 0.087 ug/l	--	--
Xylene m & p		10000 HRL93 ug/l	< 0.42 ug/l	< 0.42 ug/l	< 0.42 ug/l	--	--
Xylene, o-		10000 HRL93 ug/l	< 0.18 ug/l	< 0.18 ug/l	< 0.18 ug/l	--	--
Xylenes, total	10000 ug/l	10000 HRL93 ug/l	ND	ND	ND	--	--
Pesticides							
2,4,5-TP (Silvex)	50 ug/l		< 0.64 ug/l	< 0.68 ug/l	< 0.76 ug/l	--	--
2,4,5-Trichlorophenoxyacetic acid		70 HRL93 ug/l	< 0.64 ug/l	< 0.68 ug/l	< 0.76 ug/l	--	--
2,4-D	70 ug/l	70 HRL93 ug/l	< 0.64 ug/l	< 0.68 ug/l	< 0.76 ug/l	--	--
2,4-DB			< 0.64 ug/l	< 0.68 ug/l	< 0.76 ug/l	--	--
Acetochlor		9 HRL08 (1) ug/l	< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Alachlor (Lasso)	2 ug/l	5 HRL08 (1) ug/l	< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Atrazine (Primatol)	3 (6) ug/l		< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Bentazone			< 0.64 ug/l	< 0.68 ug/l	< 0.76 ug/l	--	--
Chlorpyrifos (Lorsban)			< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Cyanazine (Bladex)		1 HRL08 (1) ug/l	< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Deisopropyl atrazine			< 0.68 * ug/l	< 0.69 * ug/l	< 0.77 h ug/l	--	--
Desethylatrazine			< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Dicamba		200 HRL93 ug/l	< 0.64 ug/l	< 0.68 ug/l	< 0.76 ug/l	--	--
Dimethenamid			< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Dinoseb (DNBP)	7 ug/l		< 0.64 ug/l	< 0.68 ug/l	< 0.76 ug/l	--	--
EPTC (Eradicane)		200 HRL93 ug/l	< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--

Table 4
SOC 1 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	SOC1-GP1		SOC1-GP3		SOC1-GP3R
		Sample Date	6/8/2009		6/9/2009		9/11/2009
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table					
Ethalfluralin (Sonalan)			< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Fonofos (Dyphonate)			< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
MCPA		3 HRL93 ug/l	< 0.38 ug/l	< 0.41 ug/l	< 0.45 ug/l	--	--
Metolachlor (Dual)		300 HBV09 (1) ug/l	< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Metribuzin			< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Pendimethalin (Prowl)			< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Pentachlorophenol	1 ug/l		< 0.64 ug/l	< 0.68 ug/l	< 0.76 ug/l	--	--
Phorate (Thimet)			< 1.4 ug/l	< 1.4 ug/l	< 1.5 h** ug/l	--	--
Picloram	500 ug/l	500 HRL93 ug/l	< 0.64 ug/l	< 0.68 ug/l	< 0.76 ug/l	--	--
Prometon (Pramitol)		100 HRL93 ug/l	< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Propachlor			< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Propazine (Milogard)			< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Simazine (Princep)	4 ug/l		< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Terbufos (Counter)			< 1.4 ug/l	< 1.4 ug/l	< 1.5 h ug/l	--	--
Triallate (Far-Go)			< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Triclopyr			< 0.64 ug/l	< 0.68 ug/l	< 0.76 ug/l	--	--
Trifluralin (Treflan)			< 0.68 ug/l	< 0.69 ug/l	< 0.77 h ug/l	--	--
Explosives							
Nitrocellulose			--	--	< 0.50 mg/l	< 0.50 mg/l	--

Data Qualifiers/Footnotes - Groundwater	
Qualifier	**Definition**
--	Not analyzed/not available.
a	Estimated value, calculated using some or all values that are estimates.
b	Potential false positive value based on blank data validation procedures.
c	Coeluting compound.
e	Estimated value, exceeded the instrument calibration range.
h	EPA recommended sample preservation, extraction or analysis holding time was exceeded.
I	Indeterminate value based on failure of blind duplicate data to meet quality assurance criteria.
j	Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.
p	Relative percent difference is >40% (25% CLP pesticides) between primary and confirmation GC columns.
r	The presence of the compound is suspect based on the ID criteria of the retention time and relative retention time obtained from the examination of the chromatograms.
*	Estimated value, QA/QC criteria not met.
**	Unusable value, QA/QC criteria not met.
NA	NA indicates that a fractional portion of the sample is not part of the analytical testing or field collection procedures.
ND	Not detected.

Criteria Footnotes - Groundwater

	Qualifier	Definition
EPA Maximum Contaminant Level	(1)	When acrylamide is used in drinking water systems, the combination (or product) of dose and monomer level shall not exceed that equivalent to a polyacrylamide polymer containing 0.05% monomer dosed at 1 mg/L.
	(14)	Millirems per years.
	(15)	Picocuries per liter.
	(2)	1998 Final Rule for Disinfectants and Disinfection By-products: The total for trihalomethanes is 0.08 mg/L.
	(3)	The MCL value for any combination of two or more of these three chemicals (Aldicarb, Aldicarb sulfone, Aldicarb sulfoxide) should not exceed 0.007 mg/L because of similar mode of action.
	(5)	No more than 5.0% samples total coliform-positive in a month. Every sample that has total coliforms must be analyzed for fecal coliforms; no fecal coliforms are allowed.
	(6)	Under review.
	(7)	Copper action level at 1.3 mg/L, Lead action level at 0.015 mg/L
	(8)	Proposed 7/2001 arsenic rule states that the Jan. 2001 MCL of 10 ppb will not be enforced until 2006, and is still being evaluated at 3,5,10,20 ppb.
	TT	Treatment technique.
MN GW Values Table	(1)	Value is representative of the most conservative exposure duration published in the Minnesota Department of Health Groundwater Values Table.
	(2)	Set at short term HRL.
	HBV	Health Based Value.
	HRL	Health Risk Limit.
	RAA	Risk Assessment Advice.
	CR	Value represents the criteria for Chromium, hexavalent.

Table 5
SOC 2 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC2TT1 1.5	SOC2TT1R	SOC2TT2 0.5-1.5	SOC2TT3 0.5-1	SOC2TT3R	SOC2TT4 0.5-1	SOC2TT4R
		Sample Date	6/5/2009	9/18/2009	6/5/2009	6/5/2009	9/18/2009	6/5/2009	9/18/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV							
Effective Date	06/27/2005	06/22/2009							
Exceedance Key	No Exceedance	No Exceedance							
Metals									
Antimony	2.7 mg/kg	12 mg/kg	< 0.60 mg/kg	--	< 0.51 mg/kg	< 0.59 mg/kg	--	< 0.59 mg/kg	--
Arsenic	15.1 mg/kg	9 mg/kg	7.2 mg/kg	--	1.2 mg/kg	6.4 mg/kg	--	7.4 mg/kg	--
Beryllium	1.4 mg/kg	55 mg/kg	0.51 mg/kg	--	< 0.26 mg/kg	0.37 mg/kg	--	0.46 mg/kg	--
Cadmium	4.4 mg/kg	25 mg/kg	0.52 mg/kg	--	< 0.26 mg/kg	1.8 mg/kg	--	0.80 mg/kg	--
Chromium, total	1000000 mg/kg	44000 mg/kg	19 mg/kg	--	6.2 mg/kg	46 mg/kg	--	27 mg/kg	--
Chromium, hexavalent	18 mg/kg	87 mg/kg	--	<2.5 mg/kg	--	--	<2.8 mg/kg	--	<2.5 mg/kg
Copper	400 mg/kg	100 mg/kg	13 mg/kg	--	5.9 mg/kg	38 mg/kg	--	33 mg/kg	--
Lead	525 mg/kg	300 mg/kg	13 mg/kg	--	1.0 mg/kg	21 mg/kg	--	16 mg/kg	--
Mercury	1.6 MC mg/kg	0.5 mg/kg	< 0.12 mg/kg	--	< 0.10 mg/kg	0.12 mg/kg	--	< 0.12 mg/kg	--
Nickel	88 mg/kg	560 mg/kg	15 mg/kg	--	6.3 mg/kg	19 mg/kg	--	17 mg/kg	--
Selenium	1.5 mg/kg	160 mg/kg	< 1.2 mg/kg	--	< 1.0 mg/kg	< 1.2 mg/kg	--	< 1.2 mg/kg	--
Silver	3.9 mg/kg	160 mg/kg	< 0.30 mg/kg	--	< 0.26 mg/kg	1.4 mg/kg	--	0.33 mg/kg	--
Thallium		3 mg/kg	< 2.4 mg/kg	--	< 2.0 mg/kg	< 2.4 mg/kg	--	< 2.4 mg/kg	--
Zinc	1500 mg/kg	8700 mg/kg	70 mg/kg	--	10 mg/kg	83 mg/kg	--	66 mg/kg	--
SVOCs									
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.032 mg/kg	--	< 0.028 mg/kg	< 0.032 mg/kg	--	< 0.032 mg/kg	--
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.030 mg/kg	--	< 0.026 mg/kg	< 0.029 mg/kg	--	< 0.029 mg/kg	--
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.027 mg/kg	--	< 0.023 mg/kg	< 0.027 mg/kg	--	< 0.027 mg/kg	--
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.029 mg/kg	--	< 0.024 mg/kg	< 0.028 mg/kg	--	< 0.028 mg/kg	--
2,3,4,6-Tetrachlorophenol		636 mg/kg	< 0.045 mg/kg	--	< 0.039 mg/kg	< 0.045 mg/kg	--	< 0.045 mg/kg	--
2,4,5-Trichlorophenol		1920 mg/kg	< 0.029 mg/kg	--	< 0.024 mg/kg	< 0.028 mg/kg	--	< 0.028 mg/kg	--
2,4,6-Trichlorophenol	0.21 mg/kg	595 mg/kg	< 0.042 mg/kg	--	< 0.036 mg/kg	< 0.041 mg/kg	--	< 0.041 mg/kg	--
2,4-Dichlorophenol	0.076 mg/kg	48 mg/kg	< 0.042 mg/kg	--	< 0.036 mg/kg	< 0.041 mg/kg	--	< 0.041 mg/kg	--
2,4-Dimethylphenol	0.34 mg/kg	390 mg/kg	< 0.11 mg/kg	--	< 0.092 mg/kg	< 0.11 mg/kg	--	< 0.11 mg/kg	--
2,4-Dinitrophenol	0.014 mg/kg		< 0.069 mg/kg	--	< 0.059 mg/kg	< 0.068 mg/kg	--	< 0.068 mg/kg	--
2,4-Dinitrotoluene	0.001 mg/kg	50 mg/kg	< 0.025 mg/kg	--	< 0.021 mg/kg	< 0.025 mg/kg	--	< 0.025 mg/kg	--
2,6-Dichlorophenol			< 0.051 mg/kg	--	< 0.044 mg/kg	< 0.051 mg/kg	--	< 0.051 mg/kg	--
2,6-Dinitrotoluene	0.001 mg/kg	25 mg/kg	< 0.023 mg/kg	--	< 0.019 mg/kg	< 0.022 mg/kg	--	< 0.022 mg/kg	--
2-Chloronaphthalene			< 0.023 mg/kg	--	< 0.019 mg/kg	< 0.022 mg/kg	--	< 0.022 mg/kg	--
2-Chlorophenol	0.26 mg/kg		< 0.045 mg/kg	--	< 0.039 mg/kg	< 0.045 mg/kg	--	< 0.045 mg/kg	--
2-Methyl-4,6-dinitrophenol			< 0.088 mg/kg	--	< 0.076 mg/kg	< 0.087 mg/kg	--	< 0.087 mg/kg	--
2-Methylnaphthalene		100 mg/kg	< 0.033 mg/kg	--	< 0.029 mg/kg	< 0.033 mg/kg	--	< 0.033 mg/kg	--
2-Nitroaniline			< 0.024 mg/kg	--	< 0.020 mg/kg	< 0.024 mg/kg	--	< 0.024 mg/kg	--
2-Nitrophenol	0.6 mg/kg		< 0.043 mg/kg	--	< 0.037 mg/kg	< 0.042 mg/kg	--	< 0.042 mg/kg	--
3,3`-Dichlorobenzidine	0.36 mg/kg	25 mg/kg	< 0.46 mg/kg	--	< 0.40 mg/kg	< 0.46 mg/kg	--	< 0.46 mg/kg	--
3-Nitroaniline			< 0.039 mg/kg	--	< 0.034 mg/kg	< 0.039 mg/kg	--	< 0.039 mg/kg	--
4-Bromophenyl phenyl ether			< 0.020 mg/kg	--	< 0.017 mg/kg	< 0.020 mg/kg	--	< 0.020 mg/kg	--
4-Chloro-3-methylphenol			< 0.048 mg/kg	--	< 0.041 mg/kg	< 0.047 mg/kg	--	< 0.047 mg/kg	--
4-Chloroaniline			< 0.13 mg/kg	--	< 0.11 mg/kg	< 0.13 mg/kg	--	< 0.13 mg/kg	--
4-Chlorophenyl phenyl ether			< 0.027 mg/kg	--	< 0.023 mg/kg	< 0.027 mg/kg	--	< 0.027 mg/kg	--
4-Nitroaniline			< 0.027 mg/kg	--	< 0.023 mg/kg	< 0.027 mg/kg	--	< 0.027 mg/kg	--
4-Nitrophenol			< 0.12 mg/kg	--	< 0.10 mg/kg	< 0.12 mg/kg	--	< 0.12 mg/kg	--
Acenaphthene	50 mg/kg	1200 mg/kg	< 0.033 mg/kg	--	< 0.029 mg/kg	< 0.033 mg/kg	--	< 0.033 mg/kg	--

Table 5
SOC 2 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

			Sys Loc Code	SOC2TT1 1.5	SOC2TT1R	SOC2TT2 0.5-1.5	SOC2TT3 0.5-1	SOC2TT3R	SOC2TT4 0.5-1	SOC2TT4R
			Sample Date	6/5/2009	9/18/2009	6/5/2009	6/5/2009	9/18/2009	6/5/2009	9/18/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV								
Acenaphthylene				< 0.027 mg/kg	--	< 0.023 mg/kg	< 0.027 mg/kg	--	< 0.027 mg/kg	--
Aniline				< 0.11 mg/kg	--	< 0.092 mg/kg	< 0.11 mg/kg	--	< 0.11 mg/kg	--
Anthracene	942 mg/kg	7880 mg/kg		< 0.030 mg/kg	--	< 0.026 mg/kg	< 0.029 mg/kg	--	< 0.029 mg/kg	--
Azobenzene				< 0.024 mg/kg	--	< 0.020 mg/kg	< 0.024 mg/kg	--	< 0.024 mg/kg	--
Benzidine				< 0.86 mg/kg	--	< 0.73 mg/kg	< 0.85 mg/kg	--	< 0.85 mg/kg	--
Benzo(g,h,i)perylene				< 0.036 mg/kg	--	< 0.031 mg/kg	< 0.035 mg/kg	--	< 0.035 mg/kg	--
Benzoic Acid	30 mg/kg	50000 mg/kg		0.37 j mg/kg	--	< 0.059 mg/kg	< 0.068 mg/kg	--	< 0.068 mg/kg	--
Benzyl alcohol		8700 mg/kg		< 0.14 mg/kg	--	< 0.12 mg/kg	< 0.14 mg/kg	--	< 0.14 mg/kg	--
Bis(2-chloroethoxy)methane				< 0.025 mg/kg	--	< 0.021 mg/kg	< 0.025 mg/kg	--	< 0.025 mg/kg	--
Bis(2-chloroethyl)ether	0.001 mg/kg	2.5 mg/kg		< 0.029 mg/kg	--	< 0.024 mg/kg	< 0.028 mg/kg	--	< 0.028 mg/kg	--
Bis(2-chloroisopropyl)ether	0.67 mg/kg			< 0.026 mg/kg	--	< 0.022 mg/kg	< 0.026 mg/kg	--	< 0.026 mg/kg	--
Bis(2-ethylhexyl)phthalate	40 mg/kg	570 mg/kg		< 0.024 mg/kg	--	< 0.020 mg/kg	< 0.024 mg/kg	--	< 0.024 mg/kg	--
Butyl benzyl phthalate	28 mg/kg	580 mg/kg		< 0.025 mg/kg	--	< 0.021 mg/kg	< 0.025 mg/kg	--	< 0.025 mg/kg	--
Carbazole		700 mg/kg		< 0.026 mg/kg	--	< 0.022 mg/kg	< 0.026 mg/kg	--	< 0.026 mg/kg	--
Dibenzofuran		104 mg/kg		< 0.023 mg/kg	--	< 0.019 mg/kg	< 0.022 mg/kg	--	< 0.022 mg/kg	--
Diethyl phthalate	18 mg/kg			< 0.018 mg/kg	--	< 0.015 mg/kg	< 0.018 mg/kg	--	< 0.018 mg/kg	--
Dimethyl phthalate	172 mg/kg			< 0.021 mg/kg	--	< 0.018 mg/kg	< 0.021 mg/kg	--	< 0.021 mg/kg	--
Di-n-butyl phthalate	23 mg/kg	2440 mg/kg		< 0.044 mg/kg	--	< 0.038 mg/kg	< 0.044 mg/kg	--	< 0.044 mg/kg	--
Di-n-octyl phthalate		520 mg/kg		< 0.030 mg/kg	--	< 0.026 mg/kg	< 0.029 mg/kg	--	< 0.029 mg/kg	--
Fluoranthene	295 mg/kg	1080 mg/kg		< 0.029 mg/kg	--	< 0.024 mg/kg	< 0.028 mg/kg	--	< 0.028 mg/kg	--
Fluorene	47 mg/kg	850 mg/kg		< 0.021 mg/kg	--	< 0.018 mg/kg	< 0.021 mg/kg	--	< 0.021 mg/kg	--
Hexachlorobenzene	0.32 mg/kg	5 mg/kg		< 0.019 mg/kg	--	< 0.016 mg/kg	< 0.019 mg/kg	--	< 0.019 mg/kg	--
Hexachlorobutadiene	25 mg/kg	6 mg/kg		< 0.039 mg/kg	--	< 0.034 mg/kg	< 0.039 mg/kg	--	< 0.039 mg/kg	--
Hexachlorocyclopentadiene	4.4 mg/kg	2 mg/kg		< 0.049 mg/kg	--	< 0.042 mg/kg	< 0.048 mg/kg	--	< 0.048 mg/kg	--
Hexachloroethane	0.05 mg/kg			< 0.033 mg/kg	--	< 0.029 mg/kg	< 0.033 mg/kg	--	< 0.033 mg/kg	--
Isophorone	0.16 mg/kg			< 0.020 mg/kg	--	< 0.017 mg/kg	< 0.020 mg/kg	--	< 0.020 mg/kg	--
Naphthalene	7.5 mg/kg	10 mg/kg		< 0.035 mg/kg	--	< 0.030 mg/kg	< 0.034 mg/kg	--	< 0.034 mg/kg	--
Nitrobenzene				< 0.036 mg/kg	--	< 0.031 mg/kg	< 0.035 mg/kg	--	< 0.035 mg/kg	--
N-Nitrosodimethylamine	0.82 mg/kg			< 0.038 mg/kg	--	< 0.033 mg/kg	< 0.038 mg/kg	--	< 0.038 mg/kg	--
N-Nitrosodi-n-propylamine		0.7 mg/kg		< 0.030 mg/kg	--	< 0.026 mg/kg	< 0.029 mg/kg	--	< 0.029 mg/kg	--
N-Nitrosodiphenylamine	0.88 mg/kg	1950 mg/kg		< 0.021 mg/kg	--	< 0.018 mg/kg	< 0.021 mg/kg	--	< 0.021 mg/kg	--
o-Cresol	0.064 mg/kg	75 mg/kg		< 0.042 mg/kg	--	< 0.036 mg/kg	< 0.041 mg/kg	--	< 0.041 mg/kg	--
p-Cresol	0.033 mg/kg	10 mg/kg		< 0.032 mg/kg	--	< 0.028 mg/kg	< 0.032 mg/kg	--	< 0.032 mg/kg	--
Pentachlorophenol	0.034 mg/kg	80 mg/kg		< 0.11 mg/kg	--	< 0.098 mg/kg	< 0.11 mg/kg	--	< 0.11 mg/kg	--
Phenanthrene				< 0.023 mg/kg	--	< 0.019 mg/kg	< 0.022 mg/kg	--	< 0.022 mg/kg	--
Phenol	7.8 mg/kg	1500 mg/kg		< 0.068 mg/kg	--	< 0.058 mg/kg	< 0.067 mg/kg	--	< 0.067 mg/kg	--
Pyrene	272 mg/kg	890 mg/kg		< 0.027 mg/kg	--	< 0.023 mg/kg	< 0.027 mg/kg	--	< 0.027 mg/kg	--
Benzo(a)anthracene	T	T		< 0.032 mg/kg	--	< 0.028 mg/kg	< 0.032 mg/kg	--	< 0.032 mg/kg	--
Benzo(a)pyrene	T	T		< 0.032 mg/kg	--	< 0.028 mg/kg	< 0.032 mg/kg	--	< 0.032 mg/kg	--
Benzo(b)fluoranthene	T	T		< 0.040 mg/kg	--	< 0.035 mg/kg	< 0.040 mg/kg	--	< 0.040 mg/kg	--
Benzo(k)fluoranthene	T	T		< 0.037 mg/kg	--	< 0.032 mg/kg	< 0.036 mg/kg	--	< 0.036 mg/kg	--
Chrysene	T	T		< 0.039 mg/kg	--	< 0.034 mg/kg	< 0.039 mg/kg	--	< 0.039 mg/kg	--
Dibenz(a,h)anthracene	T	T		< 0.040 mg/kg	--	< 0.035 mg/kg	< 0.040 mg/kg	--	< 0.040 mg/kg	--
Indeno(1,2,3-cd)pyrene	T	T		< 0.038 mg/kg	--	< 0.033 mg/kg	< 0.038 mg/kg	--	< 0.038 mg/kg	--
BaP equivalent, non-detects at zero for the detection limit.[1]	10.2 T mg/kg	2 T mg/kg		ND	--	ND	ND	--	ND	--

Table 5
SOC 2 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC2TT1 1.5	SOC2TT1R	SOC2TT2 0.5-1.5	SOC2TT3 0.5-1	SOC2TT3R	SOC2TT4 0.5-1	SOC2TT4R
		Sample Date	6/5/2009	9/18/2009	6/5/2009	6/5/2009	9/18/2009	6/5/2009	9/18/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV							
VOCs									
1,1,1,2-Tetrachloroethane	1.4 mg/kg	31 mg/kg	< 0.031 mg/kg	--	< 0.025 mg/kg	< 0.028 mg/kg	--	< 0.031 mg/kg	--
1,1,1-Trichloroethane	3.5 mg/kg	140 mg/kg	< 0.039 mg/kg	--	< 0.032 mg/kg	< 0.036 mg/kg	--	< 0.039 mg/kg	--
1,1,2,2-Tetrachloroethane	0.005 mg/kg	3.5 mg/kg	< 0.030 mg/kg	--	< 0.024 mg/kg	< 0.027 mg/kg	--	< 0.029 mg/kg	--
1,1,2-Trichloroethane	0.01 mg/kg	9 mg/kg	< 0.044 mg/kg	--	< 0.036 mg/kg	< 0.040 mg/kg	--	< 0.044 mg/kg	--
1,1-Dichloro-1-propene			< 0.032 mg/kg	--	< 0.026 mg/kg	< 0.029 mg/kg	--	< 0.032 mg/kg	--
1,1-Dichloroethane	0.18 mg/kg	34 mg/kg	< 0.029 mg/kg	--	< 0.023 mg/kg	< 0.026 mg/kg	--	< 0.028 mg/kg	--
1,1-Dichloroethylene	0.025 mg/kg	20 mg/kg	< 0.030 mg/kg	--	< 0.024 mg/kg	< 0.027 mg/kg	--	< 0.029 mg/kg	--
1,2,3-Trichlorobenzene			< 0.079 mg/kg	--	< 0.064 mg/kg	< 0.071 mg/kg	--	< 0.078 mg/kg	--
1,2,3-Trichloropropane	0.35 mg/kg		< 0.063 mg/kg	--	< 0.051 mg/kg	< 0.057 mg/kg	--	< 0.062 mg/kg	--
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.076 mg/kg	--	< 0.062 mg/kg	< 0.069 mg/kg	--	< 0.075 mg/kg	--
1,2,4-Trimethylbenzene		8 mg/kg	< 0.024 mg/kg	--	< 0.019 mg/kg	< 0.022 mg/kg	--	< 0.024 mg/kg	--
1,2-Dibromo-3-chloropropane	0.001 mg/kg		< 0.068 mg/kg	--	< 0.055 mg/kg	< 0.062 mg/kg	--	< 0.067 mg/kg	--
1,2-Dibromoethane	0.00001 mg/kg	0.3 mg/kg	< 0.045 mg/kg	--	< 0.037 mg/kg	< 0.041 mg/kg	--	< 0.045 mg/kg	--
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.032 mg/kg	--	< 0.026 mg/kg	< 0.029 mg/kg	--	< 0.032 mg/kg	--
1,2-Dichloroethane	0.01 mg/kg	4 mg/kg	< 0.030 mg/kg	--	< 0.024 mg/kg	< 0.027 mg/kg	--	< 0.029 mg/kg	--
1,2-Dichloroethylene, cis	0.14 mg/kg	8 mg/kg	< 0.055 mg/kg	--	< 0.044 mg/kg	< 0.050 mg/kg	--	< 0.054 mg/kg	--
1,2-Dichloroethylene, trans	0.27 mg/kg	11 mg/kg	< 0.026 mg/kg	--	< 0.021 mg/kg	< 0.024 mg/kg	--	< 0.026 mg/kg	--
1,2-Dichloropropane	0.011 mg/kg	4 mg/kg	< 0.033 mg/kg	--	< 0.027 mg/kg	< 0.030 mg/kg	--	< 0.033 mg/kg	--
1,3,5-Trimethylbenzene		3 mg/kg	< 0.018 mg/kg	--	< 0.014 mg/kg	< 0.016 mg/kg	--	< 0.018 mg/kg	--
1,3-Dichloro-1-propene trans	0.005 mg/kg		< 0.042 mg/kg	--	< 0.034 mg/kg	< 0.038 mg/kg	--	< 0.041 mg/kg	--
1,3-Dichloro-1-propene, cis	0.005 mg/kg		< 0.027 mg/kg	--	< 0.022 mg/kg	< 0.025 mg/kg	--	< 0.027 mg/kg	--
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.033 mg/kg	--	< 0.027 mg/kg	< 0.030 mg/kg	--	< 0.033 mg/kg	--
1,3-Dichloropropane			< 0.020 mg/kg	--	< 0.016 mg/kg	< 0.018 mg/kg	--	< 0.020 mg/kg	--
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.021 mg/kg	--	< 0.017 mg/kg	< 0.019 mg/kg	--	< 0.021 mg/kg	--
2,2-Dichloropropane			< 0.081 mg/kg	--	< 0.065 mg/kg	< 0.073 mg/kg	--	< 0.080 mg/kg	--
Acetone	0.7 mg/kg	340 mg/kg	< 0.38 mg/kg	--	< 0.31 mg/kg	< 0.35 mg/kg	--	< 0.38 mg/kg	--
Allyl Chloride	0.032 mg/kg		< 0.080 mg/kg	--	< 0.064 mg/kg	< 0.072 mg/kg	--	< 0.079 mg/kg	--
Benzene	0.034 mg/kg	6 mg/kg	< 0.018 mg/kg	--	< 0.014 mg/kg	< 0.016 mg/kg	--	< 0.018 mg/kg	--
Bromobenzene			< 0.023 mg/kg	--	< 0.018 mg/kg	< 0.021 mg/kg	--	< 0.022 mg/kg	--
Bromochloromethane	0.15 mg/kg		< 0.030 mg/kg	--	< 0.024 mg/kg	< 0.027 mg/kg	--	< 0.029 mg/kg	--
Bromodichloromethane	0.013 mg/kg	10 mg/kg	< 0.042 mg/kg	--	< 0.034 mg/kg	< 0.038 mg/kg	--	< 0.041 mg/kg	--
Bromoform	0.14 mg/kg	370 mg/kg	< 0.095 mg/kg	--	< 0.077 mg/kg	< 0.086 mg/kg	--	< 0.094 mg/kg	--
Bromomethane	0.5 mg/kg	0.7 mg/kg	< 0.17 mg/kg	--	< 0.13 mg/kg	< 0.15 mg/kg	--	< 0.16 mg/kg	--
Butyl benzene		30 mg/kg	< 0.038 mg/kg	--	< 0.031 mg/kg	< 0.035 mg/kg	--	< 0.038 mg/kg	--
Butylbenzene sec		25 mg/kg	< 0.012 mg/kg	--	< 0.0096 mg/kg	< 0.011 mg/kg	--	< 0.012 mg/kg	--
Butylbenzene tert-		30 mg/kg	< 0.021 mg/kg	--	< 0.017 mg/kg	< 0.019 mg/kg	--	< 0.021 mg/kg	--
Carbon tetrachloride	0.023 mg/kg	0.3 mg/kg	< 0.032 mg/kg	--	< 0.026 mg/kg	< 0.029 mg/kg	--	< 0.032 mg/kg	--
Chlorobenzene	1.1 mg/kg	11 mg/kg	< 0.030 mg/kg	--	< 0.024 mg/kg	< 0.027 mg/kg	--	< 0.029 mg/kg	--
Chlorodibromomethane	0.03 mg/kg	12 mg/kg	< 0.038 mg/kg	--	< 0.031 mg/kg	< 0.035 mg/kg	--	< 0.038 mg/kg	--
Chloroethane		1000 mg/kg	< 0.087 mg/kg	--	< 0.070 mg/kg	< 0.079 mg/kg	--	< 0.086 mg/kg	--
Chloroform	0.17 mg/kg	2.5 mg/kg	< 0.050 mg/kg	--	< 0.040 mg/kg	< 0.045 mg/kg	--	< 0.049 mg/kg	--
Chloromethane	0.006 mg/kg	8 mg/kg	< 0.049 mg/kg	--	< 0.039 mg/kg	< 0.044 mg/kg	--	< 0.048 mg/kg	--
Chlorotoluene o-		436 mg/kg	< 0.021 mg/kg	--	< 0.017 mg/kg	< 0.019 mg/kg	--	< 0.021 mg/kg	--
Chlorotoluene p-			< 0.035 mg/kg	--	< 0.028 mg/kg	< 0.031 mg/kg	--	< 0.034 mg/kg	--
Cumene (isopropyl benzene)	18 mg/kg	30 mg/kg	< 0.027 mg/kg	--	< 0.022 mg/kg	< 0.025 mg/kg	--	< 0.027 mg/kg	--

Table 5
SOC 2 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC2TT1 1.5	SOC2TT1R	SOC2TT2 0.5-1.5	SOC2TT3 0.5-1	SOC2TT3R	SOC2TT4 0.5-1	SOC2TT4R
		Sample Date	6/5/2009	9/18/2009	6/5/2009	6/5/2009	9/18/2009	6/5/2009	9/18/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV							
Cymene p- (Toluene isopropyl p-)			< 0.036 mg/kg	--	< 0.029 mg/kg	< 0.032 mg/kg	--	< 0.035 mg/kg	--
Dibromomethane (methylene bromide)		260 mg/kg	< 0.055 mg/kg	--	< 0.044 mg/kg	< 0.050 mg/kg	--	< 0.054 mg/kg	--
Dichlorodifluoromethane (CFC-12)	38 mg/kg	16 mg/kg	< 0.098 mg/kg	--	< 0.079 mg/kg	< 0.089 mg/kg	--	< 0.096 mg/kg	--
Dichlorofluoromethane (CFC-21)			< 0.052 mg/kg	--	< 0.042 mg/kg	< 0.047 mg/kg	--	< 0.052 mg/kg	--
Ethyl benzene	4.7 mg/kg	200 mg/kg	< 0.026 mg/kg	--	< 0.021 mg/kg	< 0.024 mg/kg	--	< 0.026 mg/kg	--
Ethyl ether	1.2 mg/kg		< 0.057 mg/kg	--	< 0.046 mg/kg	< 0.052 mg/kg	--	< 0.056 mg/kg	--
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.15 mg/kg	--	< 0.13 mg/kg	< 0.14 mg/kg	--	< 0.15 mg/kg	--
Methyl ethyl ketone	6.4 mg/kg	5500 mg/kg	< 0.14 mg/kg	--	< 0.12 mg/kg	< 0.13 mg/kg	--	< 0.14 mg/kg	--
Methyl isobutyl ketone	0.42 mg/kg	1700 mg/kg	< 0.11 mg/kg	--	< 0.089 mg/kg	< 0.099 mg/kg	--	< 0.11 mg/kg	--
Methyl tertiary butyl ether (MTBE)	0.027 mg/kg		< 0.020 mg/kg	--	< 0.016 mg/kg	< 0.018 mg/kg	--	< 0.020 mg/kg	--
Methylene chloride	0.068 mg/kg	97 mg/kg	< 0.20 mg/kg	--	< 0.16 mg/kg	< 0.18 mg/kg	--	< 0.20 mg/kg	--
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.077 mg/kg	--	< 0.063 mg/kg	< 0.070 mg/kg	--	< 0.076 mg/kg	--
Propylbenzene		30 mg/kg	< 0.017 mg/kg	--	< 0.013 mg/kg	< 0.015 mg/kg	--	< 0.016 mg/kg	--
Styrene	1.9 mg/kg	210 mg/kg	< 0.048 mg/kg	--	< 0.039 mg/kg	< 0.043 mg/kg	--	< 0.047 mg/kg	--
Tetrachloroethylene	0.068 mg/kg	72 mg/kg	< 0.042 mg/kg	--	< 0.034 mg/kg	< 0.038 mg/kg	--	< 0.041 mg/kg	--
Tetrahydrofuran	0.16 mg/kg		< 0.12 mg/kg	--	< 0.096 mg/kg	< 0.11 mg/kg	--	< 0.12 mg/kg	--
Toluene	6.4 mg/kg	107 mg/kg	< 0.033 mg/kg	--	< 0.027 mg/kg	< 0.030 mg/kg	--	< 0.033 mg/kg	--
Trichloroethylene	0.14 mg/kg	29 mg/kg	< 0.048 mg/kg	--	< 0.039 mg/kg	< 0.043 mg/kg	--	< 0.047 mg/kg	--
Trichlorofluoromethane	22 mg/kg	67 mg/kg	< 0.038 mg/kg	--	< 0.031 mg/kg	< 0.035 mg/kg	--	< 0.038 mg/kg	--
Trichlorotrifluoroethane (Freon 113)	2580 mg/kg	3745 mg/kg	< 0.077 mg/kg	--	< 0.063 mg/kg	< 0.070 mg/kg	--	< 0.076 mg/kg	--
Vinyl chloride	0.001 mg/kg	0.8 mg/kg	< 0.027 mg/kg	--	< 0.022 mg/kg	< 0.025 mg/kg	--	< 0.027 mg/kg	--
Xylenes, total	45 M mg/kg	45 M mg/kg	ND	--	ND	ND	--	ND	--
Explosives									
Nitrocellulose			< 6.0 mg/kg	--	< 5.1 mg/kg	< 5.7 mg/kg	--	< 5.6 mg/kg	--

Table 5
SOC 2 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

			Sys Loc Code	SOC2TT5 0.5-1	SOC2TT5R
			Sample Date	6/5/2009	9/18/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV			
Effective Date	06/27/2005	06/22/2009			
Exceedance Key	No Exceedance	No Exceedance			
Metals					
Antimony	2.7 mg/kg	12 mg/kg	< 0.58 mg/kg	--	
Arsenic	15.1 mg/kg	9 mg/kg	7.0 mg/kg	--	
Beryllium	1.4 mg/kg	55 mg/kg	0.47 mg/kg	--	
Cadmium	4.4 mg/kg	25 mg/kg	0.35 mg/kg	--	
Chromium, total	1000000 mg/kg	44000 mg/kg	19 mg/kg	--	
Chromium, hexavalent	18 mg/kg	87 mg/kg	--	<2.5 mg/kg	
Copper	400 mg/kg	100 mg/kg	11 mg/kg	--	
Lead	525 mg/kg	300 mg/kg	12 mg/kg	--	
Mercury	1.6 MC mg/kg	0.5 mg/kg	< 0.12 mg/kg	--	
Nickel	88 mg/kg	560 mg/kg	14 mg/kg	--	
Selenium	1.5 mg/kg	160 mg/kg	< 1.2 mg/kg	--	
Silver	3.9 mg/kg	160 mg/kg	< 0.29 mg/kg	--	
Thallium		3 mg/kg	< 2.3 mg/kg	--	
Zinc	1500 mg/kg	8700 mg/kg	57 mg/kg	--	
SVOCs					
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.031 mg/kg	--	
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.029 mg/kg	--	
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.027 mg/kg	--	
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.028 mg/kg	--	
2,3,4,6-Tetrachlorophenol		636 mg/kg	< 0.044 mg/kg	--	
2,4,5-Trichlorophenol		1920 mg/kg	< 0.028 mg/kg	--	
2,4,6-Trichlorophenol	0.21 mg/kg	595 mg/kg	< 0.041 mg/kg	--	
2,4-Dichlorophenol	0.076 mg/kg	48 mg/kg	< 0.041 mg/kg	--	
2,4-Dimethylphenol	0.34 mg/kg	390 mg/kg	< 0.10 mg/kg	--	
2,4-Dinitrophenol	0.014 mg/kg		< 0.067 mg/kg	--	
2,4-Dinitrotoluene	0.001 mg/kg	50 mg/kg	< 0.024 mg/kg	--	
2,6-Dichlorophenol			< 0.050 mg/kg	--	
2,6-Dinitrotoluene	0.001 mg/kg	25 mg/kg	< 0.022 mg/kg	--	
2-Chloronaphthalene			< 0.022 mg/kg	--	
2-Chlorophenol	0.26 mg/kg		< 0.044 mg/kg	--	
2-Methyl-4,6-dinitrophenol			< 0.086 mg/kg	--	
2-Methylnaphthalene		100 mg/kg	< 0.033 mg/kg	--	
2-Nitroaniline			< 0.023 mg/kg	--	
2-Nitrophenol	0.6 mg/kg		< 0.042 mg/kg	--	
3,3`-Dichlorobenzidine	0.36 mg/kg	25 mg/kg	< 0.45 mg/kg	--	
3-Nitroaniline			< 0.038 mg/kg	--	
4-Bromophenyl phenyl ether			< 0.020 mg/kg	--	
4-Chloro-3-methylphenol			< 0.047 mg/kg	--	
4-Chloroaniline			< 0.13 mg/kg	--	
4-Chlorophenyl phenyl ether			< 0.027 mg/kg	--	
4-Nitroaniline			< 0.027 mg/kg	--	
4-Nitrophenol			< 0.12 mg/kg	--	
Acenaphthene	50 mg/kg	1200 mg/kg	< 0.033 mg/kg	--	

Table 5
SOC 2 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC2TT5 0.5-1 6/5/2009	SOC2TT5R 9/18/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV		
Acenaphthylene			< 0.027 mg/kg	--
Aniline			< 0.10 mg/kg	--
Anthracene	942 mg/kg	7880 mg/kg	< 0.029 mg/kg	--
Azobenzene			< 0.023 mg/kg	--
Benzidine			< 0.84 mg/kg	--
Benzo(g,h,i)perylene			< 0.035 mg/kg	--
Benzoic Acid	30 mg/kg	50000 mg/kg	< 0.067 mg/kg	--
Benzyl alcohol		8700 mg/kg	< 0.14 mg/kg	--
Bis(2-chloroethoxy)methane			< 0.024 mg/kg	--
Bis(2-chloroethyl)ether	0.001 mg/kg	2.5 mg/kg	< 0.028 mg/kg	--
Bis(2-chloroisopropyl)ether	0.67 mg/kg		< 0.026 mg/kg	--
Bis(2-ethylhexyl)phthalate	40 mg/kg	570 mg/kg	< 0.023 mg/kg	--
Butyl benzyl phthalate	28 mg/kg	580 mg/kg	< 0.024 mg/kg	--
Carbazole		700 mg/kg	< 0.026 mg/kg	--
Dibenzofuran		104 mg/kg	< 0.022 mg/kg	--
Diethyl phthalate	18 mg/kg		< 0.017 mg/kg	--
Dimethyl phthalate	172 mg/kg		< 0.021 mg/kg	--
Di-n-butyl phthalate	23 mg/kg	2440 mg/kg	< 0.043 mg/kg	--
Di-n-octyl phthalate		520 mg/kg	< 0.029 mg/kg	--
Fluoranthene	295 mg/kg	1080 mg/kg	< 0.028 mg/kg	--
Fluorene	47 mg/kg	850 mg/kg	< 0.021 mg/kg	--
Hexachlorobenzene	0.32 mg/kg	5 mg/kg	< 0.019 mg/kg	--
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.038 mg/kg	--
Hexachlorocyclopentadiene	4.4 mg/kg	2 mg/kg	< 0.048 mg/kg	--
Hexachloroethane	0.05 mg/kg		< 0.033 mg/kg	--
Isophorone	0.16 mg/kg		< 0.020 mg/kg	--
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.034 mg/kg	--
Nitrobenzene			< 0.035 mg/kg	--
N-Nitrosodimethylamine	0.82 mg/kg		< 0.037 mg/kg	--
N-Nitrosodi-n-propylamine		0.7 mg/kg	< 0.029 mg/kg	--
N-Nitrosodiphenylamine	0.88 mg/kg	1950 mg/kg	< 0.021 mg/kg	--
o-Cresol	0.064 mg/kg	75 mg/kg	< 0.041 mg/kg	--
p-Cresol	0.033 mg/kg	10 mg/kg	< 0.031 mg/kg	--
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.11 mg/kg	--
Phenanthrene			< 0.022 mg/kg	--
Phenol	7.8 mg/kg	1500 mg/kg	< 0.066 mg/kg	--
Pyrene	272 mg/kg	890 mg/kg	< 0.027 mg/kg	--
Benzo(a)anthracene	T	T	< 0.031 mg/kg	--
Benzo(a)pyrene	T	T	< 0.031 mg/kg	--
Benzo(b)fluoranthene	T	T	< 0.040 mg/kg	--
Benzo(k)fluoranthene	T	T	< 0.036 mg/kg	--
Chrysene	T	T	< 0.038 mg/kg	--
Dibenz(a,h)anthracene	T	T	< 0.040 mg/kg	--
Indeno(1,2,3-cd)pyrene	T	T	< 0.037 mg/kg	--
BaP equivalent, non-detects at zero for the detection limit.[1]	10.2 T mg/kg	2 T mg/kg	ND	--

Table 5
SOC 2 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC2TT5 0.5-1	SOC2TT5R
		Sample Date	6/5/2009	9/18/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV		
VOCs				
1,1,1,2-Tetrachloroethane	1.4 mg/kg	31 mg/kg	< 0.030 mg/kg	--
1,1,1-Trichloroethane	3.5 mg/kg	140 mg/kg	< 0.038 mg/kg	--
1,1,2,2-Tetrachloroethane	0.005 mg/kg	3.5 mg/kg	< 0.029 mg/kg	--
1,1,2-Trichloroethane	0.01 mg/kg	9 mg/kg	< 0.043 mg/kg	--
1,1-Dichloro-1-propene			< 0.031 mg/kg	--
1,1-Dichloroethane	0.18 mg/kg	34 mg/kg	< 0.028 mg/kg	--
1,1-Dichloroethylene	0.025 mg/kg	20 mg/kg	< 0.029 mg/kg	--
1,2,3-Trichlorobenzene			< 0.077 mg/kg	--
1,2,3-Trichloropropane	0.35 mg/kg		< 0.062 mg/kg	--
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.074 mg/kg	--
1,2,4-Trimethylbenzene		8 mg/kg	< 0.023 mg/kg	--
1,2-Dibromo-3-chloropropane	0.001 mg/kg		< 0.066 mg/kg	--
1,2-Dibromoethane	0.00001 mg/kg	0.3 mg/kg	< 0.044 mg/kg	--
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.031 mg/kg	--
1,2-Dichloroethane	0.01 mg/kg	4 mg/kg	< 0.029 mg/kg	--
1,2-Dichloroethylene, cis	0.14 mg/kg	8 mg/kg	< 0.053 mg/kg	--
1,2-Dichloroethylene, trans	0.27 mg/kg	11 mg/kg	< 0.026 mg/kg	--
1,2-Dichloropropane	0.011 mg/kg	4 mg/kg	< 0.033 mg/kg	--
1,3,5-Trimethylbenzene		3 mg/kg	< 0.017 mg/kg	--
1,3-Dichloro-1-propene trans	0.005 mg/kg		< 0.041 mg/kg	--
1,3-Dichloro-1-propene, cis	0.005 mg/kg		< 0.027 mg/kg	--
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.033 mg/kg	--
1,3-Dichloropropane			< 0.020 mg/kg	--
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.021 mg/kg	--
2,2-Dichloropropane			< 0.079 mg/kg	--
Acetone	0.7 mg/kg	340 mg/kg	< 0.37 mg/kg	--
Allyl Chloride	0.032 mg/kg		< 0.078 mg/kg	--
Benzene	0.034 mg/kg	6 mg/kg	< 0.017 mg/kg	--
Bromobenzene			< 0.022 mg/kg	--
Bromochloromethane	0.15 mg/kg		< 0.029 mg/kg	--
Bromodichloromethane	0.013 mg/kg	10 mg/kg	< 0.041 mg/kg	--
Bromoform	0.14 mg/kg	370 mg/kg	< 0.093 mg/kg	--
Bromomethane	0.5 mg/kg	0.7 mg/kg	< 0.16 mg/kg	--
Butyl benzene		30 mg/kg	< 0.037 mg/kg	--
Butylbenzene sec		25 mg/kg	< 0.012 mg/kg	--
Butylbenzene tert-		30 mg/kg	< 0.021 mg/kg	--
Carbon tetrachloride	0.023 mg/kg	0.3 mg/kg	< 0.031 mg/kg	--
Chlorobenzene	1.1 mg/kg	11 mg/kg	< 0.029 mg/kg	--
Chlorodibromomethane	0.03 mg/kg	12 mg/kg	< 0.037 mg/kg	--
Chloroethane		1000 mg/kg	< 0.085 mg/kg	--
Chloroform	0.17 mg/kg	2.5 mg/kg	< 0.049 mg/kg	--
Chloromethane	0.006 mg/kg	8 mg/kg	< 0.048 mg/kg	--
Chlorotoluene o-		436 mg/kg	< 0.021 mg/kg	--
Chlorotoluene p-			< 0.034 mg/kg	--
Cumene (isopropyl benzene)	18 mg/kg	30 mg/kg	< 0.027 mg/kg	--

Table 5
SOC 2 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC2TT5 0.5-1	SOC2TT5R
		Sample Date	6/5/2009	9/18/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV		
Cymene p- (Toluene isopropyl p-)			< 0.035 mg/kg	--
Dibromomethane (methylene bromide)		260 mg/kg	< 0.053 mg/kg	--
Dichlorodifluoromethane (CFC-12)	38 mg/kg	16 mg/kg	< 0.095 mg/kg	--
Dichlorofluoromethane (CFC-21)			< 0.051 mg/kg	--
Ethyl benzene	4.7 mg/kg	200 mg/kg	< 0.026 mg/kg	--
Ethyl ether	1.2 mg/kg		< 0.056 mg/kg	--
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.15 mg/kg	--
Methyl ethyl ketone	6.4 mg/kg	5500 mg/kg	< 0.14 mg/kg	--
Methyl isobutyl ketone	0.42 mg/kg	1700 mg/kg	< 0.11 mg/kg	--
Methyl tertiary butyl ether (MTBE)	0.027 mg/kg		< 0.020 mg/kg	--
Methylene chloride	0.068 mg/kg	97 mg/kg	< 0.20 mg/kg	--
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.076 mg/kg	--
Propylbenzene		30 mg/kg	< 0.016 mg/kg	--
Styrene	1.9 mg/kg	210 mg/kg	< 0.047 mg/kg	--
Tetrachloroethylene	0.068 mg/kg	72 mg/kg	< 0.041 mg/kg	--
Tetrahydrofuran	0.16 mg/kg		< 0.12 mg/kg	--
Toluene	6.4 mg/kg	107 mg/kg	< 0.033 mg/kg	--
Trichloroethylene	0.14 mg/kg	29 mg/kg	< 0.047 mg/kg	--
Trichlorofluoromethane	22 mg/kg	67 mg/kg	< 0.037 mg/kg	--
Trichlorotrifluoroethane (Freon 113)	2580 mg/kg	3745 mg/kg	< 0.076 mg/kg	--
Vinyl chloride	0.001 mg/kg	0.8 mg/kg	< 0.027 mg/kg	--
Xylenes, total	45 M mg/kg	45 M mg/kg	ND	--
Explosives				
Nitrocellulose			< 5.7 mg/kg	--

Data Qualifiers/Footnotes	
Qualifier	**Definition**
--	Not analyzed/not available.
a	Estimated value, calculated using some or all values that are estimates.
b	Potential false positive value based on blank data validation procedures.
c	Coeluting compound.
e	Estimated value, exceeded the instrument calibration range.
h	EPA recommended sample preservation, extraction or analysis holding time was exceeded.
I	Indeterminate value based on failure of blind duplicate data to meet quality assurance criteria.
j	Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.
p	Relative percent difference is >40% (25% CLP pesticides) between primary and confirmation GC columns.
r	The presence of the compound is suspect based on the ID criteria of the retention time and relative retention time obtained from the examination of the chromatograms.
*	Estimated value, QA/QC criteria not met.
**	Unusable value, QA/QC criteria not met.
ND	Not detected.

Data Qualifiers / Footnotes

	Qualifier	Definition
MN Tier I SLV	DI	Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
	M	Value represents the criteria for mixed Xylenes.
	MC	Mercury as Mercuric Chloride.
	NA	Not Applicable.
	T	Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Chrysene and Indeno(1,2.3-cd)pyrene.
MN Tier I SRV	DI	Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
	M	Value represents the criteria for mixed Xylenes.
	T	Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Chrysene and Indeno(1,2.3-cd)pyrene.

1 Total BaP equivalence (2002) calculated using zero for the detection limit on the non detected compounds.

	CAS No.	Site Conc. (mg/kg) dry weight	Relative Potency Factor	BaP Equivalent (mg/kg)
Benzo(a)anthracene	56553	0.000	0.1	0.000
Benzo(b)fluoranthene	205992	0.000	0.1	0.000
Benzo(k)fluoranthene	207089	0.000	0.1	0.000
Benzo(a)pyrene	50328	0.000	1	0.000
Chrysene	218019	0.000	0.01	0.000
Dibenz(a,h)anthracene	53703	0.000	0.56	0.000
Indeno(1,2,3-cd)pyrene	193395	0.000	0.1	0.000
		Total BaP equivalence = compare this value to the BaP criteria		0.000

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

			Sys Loc Code	SOC3GP1 0-0.5		SOC3GP1 1-2		SOC3GP3 0-0.5	SOC3TT1 1-2	SOC3TT1S 3-4
			Sample Date	6/4/2009		6/4/2009		6/4/2009	6/9/2009	6/9/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV								
Effective Date	06/27/2005	06/22/2009								
Exceedance Key	No Exceedance	Underline								
Metals										
Antimony	2.7 mg/kg	12 mg/kg	< 0.55 mg/kg	< 0.54 mg/kg	--	--	--	< 0.57 mg/kg	< 0.53 mg/kg	
Arsenic	15.1 mg/kg	9 mg/kg	7.1 mg/kg	9.2 mg/kg	--	--	7.5 mg/kg	2.6 mg/kg	3.1 mg/kg	
Beryllium	1.4 mg/kg	55 mg/kg	0.45 mg/kg	0.53 mg/kg	--	--	--	< 0.28 mg/kg	< 0.27 mg/kg	
Cadmium	4.4 mg/kg	25 mg/kg	0.33 mg/kg	< 0.27 mg/kg	--	--	--	< 0.28 mg/kg	< 0.27 mg/kg	
Chromium, total	1000000 mg/kg	44000 mg/kg	18 mg/kg	17 mg/kg	--	--	--	9.6 mg/kg	11 mg/kg	
Chromium, hexavalent	18 mg/kg	87 mg/kg	--	--	--	--	--	--	--	
Copper	400 mg/kg	100 mg/kg	15 mg/kg	15 mg/kg	--	--	--	9.0 mg/kg	8.1 mg/kg	
Lead	525 mg/kg	300 mg/kg	73 mg/kg	56 mg/kg	--	--	--	3.9 mg/kg	3.6 mg/kg	
Mercury	1.6 MC mg/kg	0.5 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg	--	--	--	< 0.11 mg/kg	< 0.11 mg/kg	
Nickel	88 mg/kg	560 mg/kg	14 mg/kg	14 mg/kg	--	--	--	9.9 mg/kg	11 mg/kg	
Selenium	1.5 mg/kg	160 mg/kg	< 1.1 mg/kg	< 1.1 mg/kg	--	--	--	< 1.1 mg/kg	< 1.1 mg/kg	
Silver	3.9 mg/kg	160 mg/kg	< 0.27 mg/kg	< 0.27 mg/kg	--	--	--	< 0.28 mg/kg	< 0.27 mg/kg	
Thallium		3 mg/kg	< 2.2 mg/kg	< 2.2 mg/kg	--	--	--	< 2.3 mg/kg	< 2.1 mg/kg	
Zinc	1500 mg/kg	8700 mg/kg	77 mg/kg	83 mg/kg	--	--	--	22 mg/kg	22 mg/kg	
SVOCs										
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	--	--	--	--	--	< 0.031 mg/kg	< 0.029 mg/kg	
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	--	--	--	--	--	< 0.028 mg/kg	< 0.027 mg/kg	
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	--	--	--	--	--	< 0.026 mg/kg	< 0.024 mg/kg	
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	--	--	--	--	--	< 0.027 mg/kg	< 0.026 mg/kg	
2,3,4,6-Tetrachlorophenol		636 mg/kg	--	--	--	--	--	< 0.043 mg/kg	< 0.040 mg/kg	
2,4,5-Trichlorophenol		1920 mg/kg	--	--	--	--	--	< 0.027 mg/kg	< 0.026 mg/kg	
2,4,6-Trichlorophenol	0.21 mg/kg	595 mg/kg	--	--	--	--	--	< 0.040 mg/kg	< 0.037 mg/kg	
2,4-Dichlorophenol	0.076 mg/kg	48 mg/kg	--	--	--	--	--	< 0.040 mg/kg	< 0.037 mg/kg	
2,4-Dimethylphenol	0.34 mg/kg	390 mg/kg	--	--	--	--	--	< 0.10 mg/kg	< 0.096 mg/kg	
2,4-Dinitrophenol	0.014 mg/kg		--	--	--	--	--	< 0.066 mg/kg	< 0.062 mg/kg	
2,4-Dinitrotoluene	0.001 mg/kg	50 mg/kg	--	--	--	--	--	< 0.024 mg/kg	< 0.022 mg/kg	
2,6-Dichlorophenol			--	--	--	--	--	< 0.049 mg/kg	< 0.046 mg/kg	
2,6-Dinitrotoluene	0.001 mg/kg	25 mg/kg	--	--	--	--	--	< 0.022 mg/kg	< 0.020 mg/kg	
2-Chloronaphthalene			--	--	--	--	--	< 0.022 mg/kg	< 0.020 mg/kg	
2-Chlorophenol	0.26 mg/kg		--	--	--	--	--	< 0.043 mg/kg	< 0.040 mg/kg	
2-Methyl-4,6-dinitrophenol			--	--	--	--	--	< 0.084 mg/kg	< 0.079 mg/kg	
2-Methylnaphthalene		100 mg/kg	--	--	--	--	--	< 0.032 mg/kg	< 0.030 mg/kg	
2-Nitroaniline			--	--	--	--	--	< 0.023 mg/kg	< 0.021 mg/kg	
2-Nitrophenol	0.6 mg/kg		--	--	--	--	--	< 0.041 mg/kg	< 0.038 mg/kg	
3,3`-Dichlorobenzidine	0.36 mg/kg	25 mg/kg	--	--	--	--	--	< 0.44 mg/kg	< 0.41 mg/kg	
3-Nitroaniline			--	--	--	--	--	< 0.038 mg/kg	< 0.035 mg/kg	
4-Bromophenyl phenyl ether			--	--	--	--	--	< 0.019 mg/kg	< 0.018 mg/kg	
4-Chloro-3-methylphenol			--	--	--	--	--	< 0.045 mg/kg	< 0.043 mg/kg	
4-Chloroaniline			--	--	--	--	--	< 0.12 mg/kg	< 0.12 mg/kg	
4-Chlorophenyl phenyl ether			--	--	--	--	--	< 0.026 mg/kg	< 0.024 mg/kg	
4-Nitroaniline			--	--	--	--	--	< 0.026 mg/kg	< 0.024 mg/kg	
4-Nitrophenol			--	--	--	--	--	< 0.11 mg/kg	< 0.11 mg/kg	
Acenaphthene	50 mg/kg	1200 mg/kg	--	--	--	--	--	< 0.032 mg/kg	< 0.030 mg/kg	

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC3GP1 0-0.5		SOC3GP1 1-2		SOC3GP3 0-0.5	SOC3TT1 1-2	SOC3TT1S 3-4
		Sample Date	6/4/2009		6/4/2009		6/4/2009	6/9/2009	6/9/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV							
Acenaphthylene			--	--	--	--	--	< 0.026 mg/kg	< 0.024 mg/kg
Aniline			--	--	--	--	--	< 0.10 mg/kg	< 0.096 mg/kg
Anthracene	942 mg/kg	7880 mg/kg	--	--	--	--	--	< 0.028 mg/kg	< 0.027 mg/kg
Azobenzene			--	--	--	--	--	< 0.023 mg/kg	< 0.021 mg/kg
Benzidine			--	--	--	--	--	< 0.82 mg/kg	< 0.77 mg/kg
Benzo(g,h,i)perylene			--	--	--	--	--	< 0.034 mg/kg	< 0.032 mg/kg
Benzoic Acid	30 mg/kg	50000 mg/kg	--	--	--	--	--	< 0.066 mg/kg	< 0.062 mg/kg
Benzyl alcohol		8700 mg/kg	--	--	--	--	--	< 0.14 mg/kg	< 0.13 mg/kg
Bis(2-chloroethoxy)methane			--	--	--	--	--	< 0.024 mg/kg	< 0.022 mg/kg
Bis(2-chloroethyl)ether	0.001 mg/kg	2.5 mg/kg	--	--	--	--	--	< 0.027 mg/kg	< 0.026 mg/kg
Bis(2-chloroisopropyl)ether	0.67 mg/kg		--	--	--	--	--	< 0.025 mg/kg	< 0.023 mg/kg
Bis(2-ethylhexyl)phthalate	40 mg/kg	570 mg/kg	--	--	--	--	--	< 0.023 mg/kg	< 0.021 mg/kg
Butyl benzyl phthalate	28 mg/kg	580 mg/kg	--	--	--	--	--	< 0.024 mg/kg	< 0.022 mg/kg
Carbazole		700 mg/kg	--	--	--	--	--	< 0.025 mg/kg	< 0.023 mg/kg
Dibenzofuran		104 mg/kg	--	--	--	--	--	< 0.022 mg/kg	< 0.020 mg/kg
Diethyl phthalate	18 mg/kg		--	--	--	--	--	< 0.017 mg/kg	< 0.016 mg/kg
Dimethyl phthalate	172 mg/kg		--	--	--	--	--	< 0.020 mg/kg	< 0.019 mg/kg
Di-n-butyl phthalate	23 mg/kg	2440 mg/kg	--	--	--	--	--	0.29 j mg/kg	< 0.039 mg/kg
Di-n-octyl phthalate		520 mg/kg	--	--	--	--	--	< 0.028 mg/kg	< 0.027 mg/kg
Fluoranthene	295 mg/kg	1080 mg/kg	--	--	--	--	--	< 0.027 mg/kg	< 0.026 mg/kg
Fluorene	47 mg/kg	850 mg/kg	--	--	--	--	--	< 0.020 mg/kg	< 0.019 mg/kg
Hexachlorobenzene	0.32 mg/kg	5 mg/kg	--	--	--	--	--	< 0.018 mg/kg	< 0.017 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	--	--	--	--	--	< 0.038 mg/kg	< 0.035 mg/kg
Hexachlorocyclopentadiene	4.4 mg/kg	2 mg/kg	--	--	--	--	--	< 0.047 mg/kg	< 0.044 mg/kg
Hexachloroethane	0.05 mg/kg		--	--	--	--	--	< 0.032 mg/kg	< 0.030 mg/kg
Isophorone	0.16 mg/kg		--	--	--	--	--	< 0.019 mg/kg	< 0.018 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	--	--	--	--	--	< 0.033 mg/kg	< 0.031 mg/kg
Nitrobenzene			--	--	--	--	--	< 0.034 mg/kg	< 0.032 mg/kg
N-Nitrosodimethylamine	0.82 mg/kg		--	--	--	--	--	< 0.036 mg/kg	< 0.034 mg/kg
N-Nitrosodi-n-propylamine		0.7 mg/kg	--	--	--	--	--	< 0.028 mg/kg	< 0.027 mg/kg
N-Nitrosodiphenylamine	0.88 mg/kg	1950 mg/kg	--	--	--	--	--	< 0.020 mg/kg	< 0.019 mg/kg
o-Cresol	0.064 mg/kg	75 mg/kg	--	--	--	--	--	< 0.040 mg/kg	< 0.037 mg/kg
p-Cresol	0.033 mg/kg	10 mg/kg	--	--	--	--	--	< 0.031 mg/kg	< 0.029 mg/kg
Pentachlorophenol	0.034 mg/kg	80 mg/kg	--	--	--	--	--	< 0.11 mg/kg	< 0.10 mg/kg
Phenanthrene			--	--	--	--	--	< 0.022 mg/kg	< 0.020 mg/kg
Phenol	7.8 mg/kg	1500 mg/kg	--	--	--	--	--	< 0.065 mg/kg	< 0.061 mg/kg
Pyrene	272 mg/kg	890 mg/kg	--	--	--	--	--	< 0.026 mg/kg	< 0.024 mg/kg
Benzo(a)anthracene	T	T	--	--	--	--	--	< 0.031 mg/kg	< 0.029 mg/kg
Benzo(a)pyrene	T	T	--	--	--	--	--	< 0.031 mg/kg	< 0.029 mg/kg
Benzo(b)fluoranthene	T	T	--	--	--	--	--	< 0.039 mg/kg	< 0.036 mg/kg
Benzo(k)fluoranthene	T	T	--	--	--	--	--	< 0.035 mg/kg	< 0.033 mg/kg
Chrysene	T	T	--	--	--	--	--	< 0.038 mg/kg	< 0.035 mg/kg
Dibenz(a,h)anthracene	T	T	--	--	--	--	--	< 0.039 mg/kg	< 0.036 mg/kg
Indeno(1,2,3-cd)pyrene	T	T	--	--	--	--	--	< 0.036 mg/kg	< 0.034 mg/kg
BaP equivalent, non-detects at zero for the detection limit.[1]	10.2 T mg/kg	2 T mg/kg	--	--	--	--	--	ND	ND

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

			Sys Loc Code	SOC3GP1 0-0.5		SOC3GP1 1-2		SOC3GP3 0-0.5	SOC3TT1 1-2	SOC3TT1S 3-4
			Sample Date	6/4/2009		6/4/2009		6/4/2009	6/9/2009	6/9/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV								
VOCs										
1,1,1,2-Tetrachloroethane	1.4 mg/kg	31 mg/kg	--	--	< 0.028 mg/kg	< 0.028 mg/kg	--	< 0.027 mg/kg	< 0.026 mg/kg	
1,1,1-Trichloroethane	3.5 mg/kg	140 mg/kg	--	--	< 0.036 mg/kg	< 0.035 mg/kg	--	< 0.034 mg/kg	< 0.033 mg/kg	
1,1,2,2-Tetrachloroethane	0.005 mg/kg	3.5 mg/kg	--	--	< 0.027 mg/kg	< 0.027 mg/kg	--	< 0.026 mg/kg	< 0.025 mg/kg	
1,1,2-Trichloroethane	0.01 mg/kg	9 mg/kg	--	--	< 0.040 mg/kg	< 0.040 mg/kg	--	< 0.039 mg/kg	< 0.037 mg/kg	
1,1-Dichloro-1-propene			--	--	< 0.029 mg/kg	< 0.029 mg/kg	--	< 0.028 mg/kg	< 0.027 mg/kg	
1,1-Dichloroethane	0.18 mg/kg	34 mg/kg	--	--	< 0.026 mg/kg	< 0.026 mg/kg	--	< 0.025 mg/kg	< 0.024 mg/kg	
1,1-Dichloroethylene	0.025 mg/kg	20 mg/kg	--	--	< 0.027 mg/kg	< 0.027 mg/kg	--	< 0.026 mg/kg	< 0.025 mg/kg	
1,2,3-Trichlorobenzene			--	--	< 0.072 mg/kg	< 0.071 mg/kg	--	< 0.069 mg/kg	< 0.066 mg/kg	
1,2,3-Trichloropropane	0.35 mg/kg		--	--	< 0.058 mg/kg	< 0.057 mg/kg	--	< 0.055 mg/kg	< 0.053 mg/kg	
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	--	--	< 0.070 mg/kg	< 0.069 mg/kg	--	< 0.067 mg/kg	< 0.064 mg/kg	
1,2,4-Trimethylbenzene		8 mg/kg	--	--	< 0.022 mg/kg	< 0.022 mg/kg	--	< 0.021 mg/kg	< 0.020 mg/kg	
1,2-Dibromo-3-chloropropane	0.001 mg/kg		--	--	< 0.062 mg/kg	< 0.061 mg/kg	--	< 0.060 mg/kg	< 0.057 mg/kg	
1,2-Dibromoethane	0.00001 mg/kg	0.3 mg/kg	--	--	< 0.041 mg/kg	< 0.041 mg/kg	--	< 0.040 mg/kg	< 0.038 mg/kg	
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	--	--	< 0.029 mg/kg	< 0.029 mg/kg	--	< 0.028 mg/kg	< 0.027 mg/kg	
1,2-Dichloroethane	0.01 mg/kg	4 mg/kg	--	--	< 0.027 mg/kg	< 0.027 mg/kg	--	< 0.026 mg/kg	< 0.025 mg/kg	
1,2-Dichloroethylene, cis	0.14 mg/kg	8 mg/kg	--	--	< 0.050 mg/kg	< 0.049 mg/kg	--	< 0.048 mg/kg	< 0.046 mg/kg	
1,2-Dichloroethylene, trans	0.27 mg/kg	11 mg/kg	--	--	< 0.024 mg/kg	< 0.024 mg/kg	--	< 0.023 mg/kg	< 0.022 mg/kg	
1,2-Dichloropropane	0.011 mg/kg	4 mg/kg	--	--	< 0.031 mg/kg	< 0.030 mg/kg	--	< 0.029 mg/kg	< 0.028 mg/kg	
1,3,5-Trimethylbenzene		3 mg/kg	--	--	< 0.016 mg/kg	< 0.016 mg/kg	--	< 0.016 mg/kg	< 0.015 mg/kg	
1,3-Dichloro-1-propene trans	0.005 mg/kg		--	--	< 0.038 mg/kg	< 0.038 mg/kg	--	< 0.037 mg/kg	< 0.035 mg/kg	
1,3-Dichloro-1-propene, cis	0.005 mg/kg		--	--	< 0.025 mg/kg	< 0.025 mg/kg	--	< 0.024 mg/kg	< 0.023 mg/kg	
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	--	--	< 0.031 mg/kg	< 0.030 mg/kg	--	< 0.029 mg/kg	< 0.028 mg/kg	
1,3-Dichloropropane			--	--	< 0.019 mg/kg	< 0.018 mg/kg	--	< 0.018 mg/kg	< 0.017 mg/kg	
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	--	--	< 0.020 mg/kg	< 0.019 mg/kg	--	< 0.019 mg/kg	< 0.018 mg/kg	
2,2-Dichloropropane			--	--	< 0.074 mg/kg	< 0.073 mg/kg	--	< 0.071 mg/kg	< 0.068 mg/kg	
Acetone	0.7 mg/kg	340 mg/kg	--	--	< 0.35 mg/kg	< 0.34 mg/kg	--	< 0.33 mg/kg	< 0.32 mg/kg	
Allyl Chloride	0.032 mg/kg		--	--	< 0.073 mg/kg	< 0.072 mg/kg	--	< 0.070 mg/kg	< 0.067 mg/kg	
Benzene	0.034 mg/kg	6 mg/kg	--	--	< 0.016 mg/kg	< 0.016 mg/kg	--	< 0.016 mg/kg	< 0.015 mg/kg	
Bromobenzene			--	--	< 0.021 mg/kg	< 0.020 mg/kg	--	< 0.020 mg/kg	< 0.019 mg/kg	
Bromochloromethane	0.15 mg/kg		--	--	< 0.027 mg/kg	< 0.027 mg/kg	--	< 0.026 mg/kg	< 0.025 mg/kg	
Bromodichloromethane	0.013 mg/kg	10 mg/kg	--	--	< 0.038 mg/kg	< 0.038 mg/kg	--	< 0.037 mg/kg	< 0.035 mg/kg	
Bromoform	0.14 mg/kg	370 mg/kg	--	--	< 0.087 mg/kg	< 0.086 mg/kg	--	< 0.084 mg/kg	< 0.080 mg/kg	
Bromomethane	0.5 mg/kg	0.7 mg/kg	--	--	< 0.15 mg/kg	< 0.15 mg/kg	--	< 0.15 mg/kg	< 0.14 mg/kg	
Butyl benzene		30 mg/kg	--	--	< 0.035 mg/kg	< 0.034 mg/kg	--	< 0.033 mg/kg	< 0.032 mg/kg	
Butylbenzene sec		25 mg/kg	--	--	< 0.011 mg/kg	< 0.011 mg/kg	--	< 0.010 mg/kg	< 0.010 mg/kg	
Butylbenzene tert-		30 mg/kg	--	--	< 0.020 mg/kg	< 0.019 mg/kg	--	< 0.019 mg/kg	< 0.018 mg/kg	
Carbon tetrachloride	0.023 mg/kg	0.3 mg/kg	--	--	< 0.029 mg/kg	< 0.029 mg/kg	--	< 0.028 mg/kg	< 0.027 mg/kg	
Chlorobenzene	1.1 mg/kg	11 mg/kg	--	--	< 0.027 mg/kg	< 0.027 mg/kg	--	< 0.026 mg/kg	< 0.025 mg/kg	
Chlorodibromomethane	0.03 mg/kg	12 mg/kg	--	--	< 0.035 mg/kg	< 0.034 mg/kg	--	< 0.033 mg/kg	< 0.032 mg/kg	
Chloroethane		1000 mg/kg	--	--	< 0.080 mg/kg	< 0.078 mg/kg	--	< 0.076 mg/kg	< 0.073 mg/kg	
Chloroform	0.17 mg/kg	2.5 mg/kg	--	--	< 0.046 mg/kg	< 0.045 mg/kg	--	< 0.044 mg/kg	< 0.042 mg/kg	
Chloromethane	0.006 mg/kg	8 mg/kg	--	--	< 0.045 mg/kg	< 0.044 mg/kg	--	< 0.043 mg/kg	< 0.041 mg/kg	
Chlorotoluene o-		436 mg/kg	--	--	< 0.020 mg/kg	< 0.019 mg/kg	--	< 0.019 mg/kg	< 0.018 mg/kg	
Chlorotoluene p-			--	--	< 0.032 mg/kg	< 0.031 mg/kg	--	< 0.030 mg/kg	< 0.029 mg/kg	
Cumene (isopropyl benzene)	18 mg/kg	30 mg/kg	--	--	< 0.025 mg/kg	< 0.025 mg/kg	--	< 0.024 mg/kg	< 0.023 mg/kg	

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC3GP1 0-0.5		SOC3GP1 1-2		SOC3GP3 0-0.5	SOC3TT1 1-2	SOC3TT1S 3-4
		Sample Date	6/4/2009		6/4/2009		6/4/2009	6/9/2009	6/9/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV							
Cymene p- (Toluene isopropyl p-)			--	--	< 0.033 mg/kg	< 0.032 mg/kg	--	< 0.031 mg/kg	< 0.030 mg/kg
Dibromomethane (methylene bromide)		260 mg/kg	--	--	< 0.050 mg/kg	< 0.049 mg/kg	--	< 0.048 mg/kg	< 0.046 mg/kg
Dichlorodifluoromethane (CFC-12)	38 mg/kg	16 mg/kg	--	--	< 0.090 mg/kg	< 0.088 mg/kg	--	< 0.086 mg/kg	< 0.082 mg/kg
Dichlorofluoromethane (CFC-21)			--	--	< 0.048 mg/kg	< 0.047 mg/kg	--	< 0.046 mg/kg	< 0.044 mg/kg
Ethyl benzene	4.7 mg/kg	200 mg/kg	--	--	< 0.024 mg/kg	< 0.024 mg/kg	--	< 0.023 mg/kg	< 0.022 mg/kg
Ethyl ether	1.2 mg/kg		--	--	< 0.052 mg/kg	< 0.052 mg/kg	--	< 0.050 mg/kg	< 0.048 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	--	--	< 0.14 mg/kg	< 0.14 mg/kg	--	< 0.14 mg/kg	< 0.13 mg/kg
Methyl ethyl ketone	6.4 mg/kg	5500 mg/kg	--	--	< 0.13 mg/kg	< 0.13 mg/kg	--	< 0.13 mg/kg	< 0.12 mg/kg
Methyl isobutyl ketone	0.42 mg/kg	1700 mg/kg	--	--	< 0.10 mg/kg	< 0.099 mg/kg	--	< 0.096 mg/kg	< 0.092 mg/kg
Methyl tertiary butyl ether (MTBE)	0.027 mg/kg		--	--	< 0.019 mg/kg	< 0.018 mg/kg	--	< 0.018 mg/kg	< 0.017 mg/kg
Methylene chloride	0.068 mg/kg	97 mg/kg	--	--	< 0.19 mg/kg	< 0.18 mg/kg	--	< 0.18 mg/kg	< 0.17 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	--	--	< 0.071 mg/kg	< 0.070 mg/kg	--	< 0.068 mg/kg	< 0.065 mg/kg
Propylbenzene		30 mg/kg	--	--	< 0.015 mg/kg	< 0.015 mg/kg	--	< 0.015 mg/kg	< 0.014 mg/kg
Styrene	1.9 mg/kg	210 mg/kg	--	--	< 0.044 mg/kg	< 0.043 mg/kg	--	< 0.042 mg/kg	< 0.040 mg/kg
Tetrachloroethylene	0.068 mg/kg	72 mg/kg	--	--	< 0.038 mg/kg	< 0.038 mg/kg	--	< 0.037 mg/kg	< 0.035 mg/kg
Tetrahydrofuran	0.16 mg/kg		--	--	< 0.11 mg/kg	< 0.11 mg/kg	--	< 0.10 mg/kg	< 0.10 mg/kg
Toluene	6.4 mg/kg	107 mg/kg	--	--	< 0.031 mg/kg	< 0.030 mg/kg	--	< 0.029 mg/kg	< 0.028 mg/kg
Trichloroethylene	0.14 mg/kg	29 mg/kg	--	--	< 0.044 mg/kg	< 0.043 mg/kg	--	< 0.042 mg/kg	< 0.040 mg/kg
Trichlorofluoromethane	22 mg/kg	67 mg/kg	--	--	< 0.035 mg/kg	< 0.034 mg/kg	--	< 0.033 mg/kg	< 0.032 mg/kg
Trichlorotrifluoroethane (Freon 113)	2580 mg/kg	3745 mg/kg	--	--	< 0.071 mg/kg	< 0.070 mg/kg	--	< 0.068 mg/kg	< 0.065 mg/kg
Vinyl chloride	0.001 mg/kg	0.8 mg/kg	--	--	< 0.025 mg/kg	< 0.025 mg/kg	--	< 0.024 mg/kg	< 0.023 mg/kg
Xylenes, total	45 M mg/kg	45 M mg/kg	--	--	ND	ND	--	ND	ND
Pesticides									
2,4,5-TP (Silvex)			--	--	< 0.082 mg/kg	--	--	< 0.058 mg/kg	< 0.054 mg/kg
2,4,5-Trichlorophenoxyacetic acid		290 mg/kg	--	--	< 0.082 mg/kg	--	--	< 0.058 mg/kg	< 0.054 mg/kg
2,4-D		285 mg/kg	--	--	< 0.082 mg/kg	--	--	< 0.058 mg/kg	< 0.054 mg/kg
2,4-DB		226 mg/kg	--	--	< 0.082 mg/kg	--	--	< 0.058 mg/kg	< 0.054 mg/kg
4,4'-DDD		56 mg/kg	--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
4,4'-DDE		40 mg/kg	--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
4,4'-DDT		15 mg/kg	--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
a-BHC		2 mg/kg	--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Acetochlor			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Alachlor (Lasso)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Aldrin		1 mg/kg	--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Atrazine (Primatol)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
b-BHC		7 mg/kg	--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Bentazone			--	--	< 0.082 mg/kg	--	--	< 0.058 mg/kg	< 0.054 mg/kg
Chlordane, cis			--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Chlorpyrifos (Lorsban)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Cyanazine (Bladex)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
d-BHC			--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Deisopropyl atrazine			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Desethylatrazine			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Dicamba			--	--	< 0.082 mg/kg	--	--	< 0.058 mg/kg	< 0.054 mg/kg
Dieldrin		0.8 mg/kg	--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Dimethenamid			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC3GP1 0-0.5		SOC3GP1 1-2		SOC3GP3 0-0.5	SOC3TT1 1-2	SOC3TT1S 3-4
		Sample Date	6/4/2009		6/4/2009		6/4/2009	6/9/2009	6/9/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV							
Dinoseb (DNBP)			--	--	< 0.082 mg/kg	--	--	< 0.058 mg/kg	< 0.054 mg/kg
Endosulfan I			--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Endosulfan II			--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Endosulfan Sulfate			--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Endrin		8 mg/kg	--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Endrin Aldehyde			--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Endrin Ketone			--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
EPTC (Eradicane)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Ethalfluralin (Sonalan)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Fonofos (Dyphonate)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
g-BHC (Lindane)		9 mg/kg	--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
g-Chlordane			--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Heptachlor		2 mg/kg	--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Heptachlor Epoxide		0.4 mg/kg	--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
MCPA		16 mg/kg	--	--	< 0.082 mg/kg	--	--	< 0.058 mg/kg	< 0.054 mg/kg
Methoxychlor		11 mg/kg	--	--	< 0.046 mg/kg	--	--	< 0.045 mg/kg	< 0.043 mg/kg
Metolachlor (Dual)		435 mg/kg	--	--	< 0.073 * mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Metribuzin (Sencor, Lexone)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Pendimethalin (Prowl)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Pentachlorophenol	0.034 mg/kg	80 mg/kg	--	--	< 0.082 mg/kg	--	--	< 0.058 mg/kg	< 0.054 mg/kg
Phorate (Thimet)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Picloram		2000 mg/kg	--	--	< 0.082 * mg/kg	--	--	< 0.058 * mg/kg	< 0.054 * mg/kg
Prometon (Pramitol)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Propachlor (Ramrod)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Propazine (Milogard)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Simazine (Princep)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Terbufos (Counter)		0.6 mg/kg	--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Toxaphene		13 mg/kg	--	--	< 0.092 mg/kg	--	--	< 0.091 mg/kg	< 0.085 mg/kg
Triallate (Far-Go)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Triclopyr			--	--	< 0.082 mg/kg	--	--	< 0.058 mg/kg	< 0.054 mg/kg
Trifluralin (Treflan)			--	--	< 0.073 mg/kg	--	--	< 0.046 mg/kg	< 0.044 mg/kg
Explosives									
Nitrocellulose			--	--	--	--	--	< 5.4 mg/kg	< 5.3 mg/kg

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC3TT1S 5 6/9/2009	SOC3TT2 3-4 6/9/2009	SOC3TT2 5 6/9/2009	SOC3TT3 0.5 6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV				
Effective Date	06/27/2005	06/22/2009				
Exceedance Key	No Exceedance	Underline				
Metals						
Antimony	2.7 mg/kg	12 mg/kg	< 0.52 mg/kg	< 0.54 mg/kg	< 0.51 mg/kg	< 0.52 mg/kg
Arsenic	15.1 mg/kg	9 mg/kg	1.4 mg/kg	2.1 mg/kg	1.8 mg/kg	1.5 mg/kg
Beryllium	1.4 mg/kg	55 mg/kg	< 0.26 mg/kg	< 0.27 mg/kg	< 0.26 mg/kg	< 0.26 mg/kg
Cadmium	4.4 mg/kg	25 mg/kg	< 0.26 mg/kg	< 0.27 mg/kg	< 0.26 mg/kg	< 0.26 mg/kg
Chromium, total	1000000 mg/kg	44000 mg/kg	5.9 mg/kg	7.4 mg/kg	7.9 mg/kg	7.4 mg/kg
Chromium, hexavalent	18 mg/kg	87 mg/kg	--	--	--	--
Copper	400 mg/kg	100 mg/kg	5.7 mg/kg	5.8 mg/kg	7.7 mg/kg	4.7 mg/kg
Lead	525 mg/kg	300 mg/kg	1.2 mg/kg	2.5 mg/kg	1.7 mg/kg	1.7 mg/kg
Mercury	1.6 MC mg/kg	0.5 mg/kg	< 0.10 mg/kg	< 0.11 mg/kg	< 0.10 mg/kg	< 0.10 mg/kg
Nickel	88 mg/kg	560 mg/kg	6.1 mg/kg	8.7 mg/kg	9.7 mg/kg	6.4 mg/kg
Selenium	1.5 mg/kg	160 mg/kg	< 1.0 mg/kg	< 1.1 mg/kg	< 1.0 mg/kg	< 1.0 mg/kg
Silver	3.9 mg/kg	160 mg/kg	< 0.26 mg/kg	< 0.27 mg/kg	< 0.26 mg/kg	< 0.26 mg/kg
Thallium		3 mg/kg	< 2.1 mg/kg	< 2.2 mg/kg	< 2.0 mg/kg	< 2.1 mg/kg
Zinc	1500 mg/kg	8700 mg/kg	12 mg/kg	17 mg/kg	16 mg/kg	14 mg/kg
SVOCs						
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	< 0.028 mg/kg
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.026 mg/kg	< 0.027 mg/kg	< 0.026 mg/kg	< 0.026 mg/kg
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.025 mg/kg	< 0.026 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg
2,3,4,6-Tetrachlorophenol		636 mg/kg	< 0.039 mg/kg	< 0.041 mg/kg	< 0.039 mg/kg	< 0.039 mg/kg
2,4,5-Trichlorophenol		1920 mg/kg	< 0.025 mg/kg	< 0.026 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg
2,4,6-Trichlorophenol	0.21 mg/kg	595 mg/kg	< 0.036 mg/kg	< 0.038 mg/kg	< 0.036 mg/kg	< 0.036 mg/kg
2,4-Dichlorophenol	0.076 mg/kg	48 mg/kg	< 0.036 mg/kg	< 0.038 mg/kg	< 0.036 mg/kg	< 0.036 mg/kg
2,4-Dimethylphenol	0.34 mg/kg	390 mg/kg	< 0.093 mg/kg	< 0.098 mg/kg	< 0.092 mg/kg	< 0.093 mg/kg
2,4-Dinitrophenol	0.014 mg/kg		< 0.060 mg/kg	< 0.063 mg/kg	< 0.059 mg/kg	< 0.060 mg/kg
2,4-Dinitrotoluene	0.001 mg/kg	50 mg/kg	< 0.022 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.022 mg/kg
2,6-Dichlorophenol			< 0.044 mg/kg	< 0.047 mg/kg	< 0.044 mg/kg	< 0.044 mg/kg
2,6-Dinitrotoluene	0.001 mg/kg	25 mg/kg	< 0.020 mg/kg	< 0.021 mg/kg	< 0.019 mg/kg	< 0.020 mg/kg
2-Chloronaphthalene			< 0.020 mg/kg	< 0.021 mg/kg	< 0.019 mg/kg	< 0.020 mg/kg
2-Chlorophenol	0.26 mg/kg		< 0.039 mg/kg	< 0.041 mg/kg	< 0.039 mg/kg	< 0.039 mg/kg
2-Methyl-4,6-dinitrophenol			< 0.076 mg/kg	< 0.080 mg/kg	< 0.076 mg/kg	< 0.076 mg/kg
2-Methylnaphthalene		100 mg/kg	< 0.029 mg/kg	< 0.030 mg/kg	< 0.029 mg/kg	< 0.029 mg/kg
2-Nitroaniline			< 0.021 mg/kg	< 0.022 mg/kg	< 0.020 mg/kg	< 0.021 mg/kg
2-Nitrophenol	0.6 mg/kg		< 0.037 mg/kg	< 0.039 mg/kg	< 0.037 mg/kg	< 0.037 mg/kg
3,3`-Dichlorobenzidine	0.36 mg/kg	25 mg/kg	< 0.40 mg/kg	< 0.42 mg/kg	< 0.40 mg/kg	< 0.40 mg/kg
3-Nitroaniline			< 0.034 mg/kg	< 0.036 mg/kg	< 0.034 mg/kg	< 0.034 mg/kg
4-Bromophenyl phenyl ether			< 0.018 mg/kg	< 0.018 mg/kg	< 0.017 mg/kg	< 0.018 mg/kg
4-Chloro-3-methylphenol			< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
4-Chloroaniline			< 0.11 mg/kg	< 0.12 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg
4-Chlorophenyl phenyl ether			< 0.024 mg/kg	< 0.025 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
4-Nitroaniline			< 0.024 mg/kg	< 0.025 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
4-Nitrophenol			< 0.10 mg/kg	< 0.11 mg/kg	< 0.10 mg/kg	< 0.10 mg/kg
Acenaphthene	50 mg/kg	1200 mg/kg	< 0.029 mg/kg	< 0.030 mg/kg	< 0.029 mg/kg	< 0.029 mg/kg

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC3TT1S 5 6/9/2009	SOC3TT2 3-4 6/9/2009	SOC3TT2 5 6/9/2009	SOC3TT3 0.5 6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV				
Acenaphthylene			< 0.024 mg/kg	< 0.025 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
Aniline			< 0.093 mg/kg	< 0.098 mg/kg	< 0.092 mg/kg	< 0.093 mg/kg
Anthracene	942 mg/kg	7880 mg/kg	< 0.026 mg/kg	< 0.027 mg/kg	< 0.026 mg/kg	< 0.026 mg/kg
Azobenzene			< 0.021 mg/kg	< 0.022 mg/kg	< 0.020 mg/kg	< 0.021 mg/kg
Benzidine			< 0.74 mg/kg	< 0.78 mg/kg	< 0.73 mg/kg	< 0.74 mg/kg
Benzo(g,h,i)perylene			< 0.031 mg/kg	< 0.033 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg
Benzoic Acid	30 mg/kg	50000 mg/kg	< 0.060 mg/kg	< 0.063 mg/kg	< 0.059 mg/kg	< 0.060 mg/kg
Benzyl alcohol		8700 mg/kg	< 0.12 mg/kg	< 0.13 mg/kg	< 0.12 mg/kg	< 0.12 mg/kg
Bis(2-chloroethoxy)methane			< 0.022 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.022 mg/kg
Bis(2-chloroethyl)ether	0.001 mg/kg	2.5 mg/kg	< 0.025 mg/kg	< 0.026 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg
Bis(2-chloroisopropyl)ether	0.67 mg/kg		< 0.023 mg/kg	< 0.024 mg/kg	< 0.022 mg/kg	< 0.023 mg/kg
Bis(2-ethylhexyl)phthalate	40 mg/kg	570 mg/kg	< 0.021 mg/kg	< 0.022 mg/kg	< 0.020 mg/kg	< 0.021 mg/kg
Butyl benzyl phthalate	28 mg/kg	580 mg/kg	< 0.022 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.022 mg/kg
Carbazole		700 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg	< 0.022 mg/kg	< 0.023 mg/kg
Dibenzofuran		104 mg/kg	< 0.020 mg/kg	< 0.021 mg/kg	< 0.019 mg/kg	< 0.020 mg/kg
Diethyl phthalate	18 mg/kg		< 0.015 mg/kg	< 0.016 mg/kg	< 0.015 mg/kg	< 0.015 mg/kg
Dimethyl phthalate	172 mg/kg		< 0.019 mg/kg	< 0.020 mg/kg	< 0.018 mg/kg	< 0.019 mg/kg
Di-n-butyl phthalate	23 mg/kg	2440 mg/kg	< 0.038 mg/kg	< 0.040 mg/kg	< 0.038 mg/kg	< 0.038 mg/kg
Di-n-octyl phthalate		520 mg/kg	< 0.026 mg/kg	< 0.027 mg/kg	< 0.026 mg/kg	< 0.026 mg/kg
Fluoranthene	295 mg/kg	1080 mg/kg	< 0.025 mg/kg	< 0.026 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg
Fluorene	47 mg/kg	850 mg/kg	< 0.019 mg/kg	< 0.020 mg/kg	< 0.018 mg/kg	< 0.019 mg/kg
Hexachlorobenzene	0.32 mg/kg	5 mg/kg	< 0.016 mg/kg	< 0.017 mg/kg	< 0.016 mg/kg	< 0.016 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.034 mg/kg	< 0.036 mg/kg	< 0.034 mg/kg	< 0.034 mg/kg
Hexachlorocyclopentadiene	4.4 mg/kg	2 mg/kg	< 0.042 mg/kg	< 0.045 mg/kg	< 0.042 mg/kg	< 0.042 mg/kg
Hexachloroethane	0.05 mg/kg		< 0.029 mg/kg	< 0.030 mg/kg	< 0.029 mg/kg	< 0.029 mg/kg
Isophorone	0.16 mg/kg		< 0.018 mg/kg	< 0.018 mg/kg	< 0.017 mg/kg	< 0.018 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.030 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg
Nitrobenzene			< 0.031 mg/kg	< 0.033 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg
N-Nitrosodimethylamine	0.82 mg/kg		< 0.033 mg/kg	< 0.035 mg/kg	< 0.033 mg/kg	< 0.033 mg/kg
N-Nitrosodi-n-propylamine		0.7 mg/kg	< 0.026 mg/kg	< 0.027 mg/kg	< 0.026 mg/kg	< 0.026 mg/kg
N-Nitrosodiphenylamine	0.88 mg/kg	1950 mg/kg	< 0.019 mg/kg	< 0.020 mg/kg	< 0.018 mg/kg	< 0.019 mg/kg
o-Cresol	0.064 mg/kg	75 mg/kg	< 0.036 mg/kg	< 0.038 mg/kg	< 0.036 mg/kg	< 0.036 mg/kg
p-Cresol	0.033 mg/kg	10 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	< 0.028 mg/kg
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.099 mg/kg	< 0.10 mg/kg	< 0.098 mg/kg	< 0.099 mg/kg
Phenanthrene			< 0.020 mg/kg	< 0.021 mg/kg	< 0.019 mg/kg	< 0.020 mg/kg
Phenol	7.8 mg/kg	1500 mg/kg	< 0.059 mg/kg	< 0.062 mg/kg	< 0.058 mg/kg	< 0.059 mg/kg
Pyrene	272 mg/kg	890 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
Benzo(a)anthracene	T	T	< 0.028 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	< 0.028 mg/kg
Benzo(a)pyrene	T	T	< 0.028 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	< 0.028 mg/kg
Benzo(b)fluoranthene	T	T	< 0.035 mg/kg	< 0.037 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg
Benzo(k)fluoranthene	T	T	< 0.032 mg/kg	< 0.034 mg/kg	< 0.032 mg/kg	< 0.032 mg/kg
Chrysene	T	T	< 0.034 mg/kg	< 0.036 mg/kg	< 0.034 mg/kg	< 0.034 mg/kg
Dibenz(a,h)anthracene	T	T	< 0.035 mg/kg	< 0.037 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg
Indeno(1,2,3-cd)pyrene	T	T	< 0.033 mg/kg	< 0.035 mg/kg	< 0.033 mg/kg	< 0.033 mg/kg
BaP equivalent, non-detects at zero for the detection limit.[1]	10.2 T mg/kg	2 T mg/kg	ND	ND	ND	ND

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC3TT1S 5 6/9/2009	SOC3TT2 3-4 6/9/2009	SOC3TT2 5 6/9/2009	SOC3TT3 0.5 6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV				
VOCs						
1,1,1,2-Tetrachloroethane	1.4 mg/kg	31 mg/kg	< 0.025 mg/kg	< 0.026 mg/kg	< 0.024 mg/kg	< 0.027 mg/kg
1,1,1-Trichloroethane	3.5 mg/kg	140 mg/kg	< 0.032 mg/kg	< 0.034 mg/kg	< 0.031 mg/kg	< 0.034 mg/kg
1,1,2,2-Tetrachloroethane	0.005 mg/kg	3.5 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg	< 0.023 mg/kg	< 0.026 mg/kg
1,1,2-Trichloroethane	0.01 mg/kg	9 mg/kg	< 0.035 mg/kg	< 0.038 mg/kg	< 0.034 mg/kg	< 0.038 mg/kg
1,1-Dichloro-1-propene			< 0.026 mg/kg	< 0.028 mg/kg	< 0.025 mg/kg	< 0.028 mg/kg
1,1-Dichloroethane	0.18 mg/kg	34 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg	< 0.022 mg/kg	< 0.025 mg/kg
1,1-Dichloroethylene	0.025 mg/kg	20 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg	< 0.023 mg/kg	< 0.026 mg/kg
1,2,3-Trichlorobenzene			< 0.063 mg/kg	< 0.067 mg/kg	< 0.061 mg/kg	< 0.068 mg/kg
1,2,3-Trichloropropane	0.35 mg/kg		< 0.051 mg/kg	< 0.054 mg/kg	< 0.049 mg/kg	< 0.055 mg/kg
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.061 mg/kg	< 0.065 mg/kg	< 0.060 mg/kg	< 0.066 mg/kg
1,2,4-Trimethylbenzene		8 mg/kg	< 0.019 mg/kg	< 0.020 mg/kg	< 0.019 mg/kg	< 0.021 mg/kg
1,2-Dibromo-3-chloropropane	0.001 mg/kg		< 0.055 mg/kg	< 0.058 mg/kg	< 0.053 mg/kg	< 0.059 mg/kg
1,2-Dibromoethane	0.00001 mg/kg	0.3 mg/kg	< 0.036 mg/kg	< 0.039 mg/kg	< 0.035 mg/kg	< 0.039 mg/kg
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.026 mg/kg	< 0.028 mg/kg	< 0.025 mg/kg	< 0.028 mg/kg
1,2-Dichloroethane	0.01 mg/kg	4 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg	< 0.023 mg/kg	< 0.026 mg/kg
1,2-Dichloroethylene, cis	0.14 mg/kg	8 mg/kg	< 0.044 mg/kg	< 0.047 mg/kg	< 0.043 mg/kg	< 0.047 mg/kg
1,2-Dichloroethylene, trans	0.27 mg/kg	11 mg/kg	< 0.021 mg/kg	< 0.022 mg/kg	< 0.020 mg/kg	< 0.023 mg/kg
1,2-Dichloropropane	0.011 mg/kg	4 mg/kg	< 0.027 mg/kg	< 0.029 mg/kg	< 0.026 mg/kg	< 0.029 mg/kg
1,3,5-Trimethylbenzene		3 mg/kg	< 0.014 mg/kg	< 0.015 mg/kg	< 0.014 mg/kg	< 0.015 mg/kg
1,3-Dichloro-1-propene trans	0.005 mg/kg		< 0.034 mg/kg	< 0.036 mg/kg	< 0.033 mg/kg	< 0.036 mg/kg
1,3-Dichloro-1-propene, cis	0.005 mg/kg		< 0.022 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.024 mg/kg
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.027 mg/kg	< 0.029 mg/kg	< 0.026 mg/kg	< 0.029 mg/kg
1,3-Dichloropropane			< 0.016 mg/kg	< 0.017 mg/kg	< 0.016 mg/kg	< 0.018 mg/kg
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.017 mg/kg	< 0.018 mg/kg	< 0.017 mg/kg	< 0.019 mg/kg
2,2-Dichloropropane			< 0.065 mg/kg	< 0.069 mg/kg	< 0.063 mg/kg	< 0.070 mg/kg
Acetone	0.7 mg/kg	340 mg/kg	< 0.31 mg/kg	< 0.33 mg/kg	< 0.30 mg/kg	< 0.33 mg/kg
Allyl Chloride	0.032 mg/kg		< 0.064 mg/kg	< 0.068 mg/kg	< 0.062 mg/kg	< 0.069 mg/kg
Benzene	0.034 mg/kg	6 mg/kg	< 0.014 mg/kg	< 0.015 mg/kg	< 0.014 mg/kg	< 0.015 mg/kg
Bromobenzene			< 0.018 mg/kg	< 0.019 mg/kg	< 0.018 mg/kg	< 0.020 mg/kg
Bromochloromethane	0.15 mg/kg		< 0.024 mg/kg	< 0.025 mg/kg	< 0.023 mg/kg	< 0.026 mg/kg
Bromodichloromethane	0.013 mg/kg	10 mg/kg	< 0.034 mg/kg	< 0.036 mg/kg	< 0.033 mg/kg	< 0.036 mg/kg
Bromoform	0.14 mg/kg	370 mg/kg	< 0.077 mg/kg	< 0.081 mg/kg	< 0.074 mg/kg	< 0.082 mg/kg
Bromomethane	0.5 mg/kg	0.7 mg/kg	< 0.13 mg/kg	< 0.14 mg/kg	< 0.13 mg/kg	< 0.14 mg/kg
Butyl benzene		30 mg/kg	< 0.031 mg/kg	< 0.033 mg/kg	< 0.030 mg/kg	< 0.033 mg/kg
Butylbenzene sec		25 mg/kg	< 0.0096 mg/kg	< 0.010 mg/kg	< 0.0093 mg/kg	< 0.010 mg/kg
Butylbenzene tert-		30 mg/kg	< 0.017 mg/kg	< 0.018 mg/kg	< 0.017 mg/kg	< 0.019 mg/kg
Carbon tetrachloride	0.023 mg/kg	0.3 mg/kg	< 0.026 mg/kg	< 0.028 mg/kg	< 0.025 mg/kg	< 0.028 mg/kg
Chlorobenzene	1.1 mg/kg	11 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg	< 0.023 mg/kg	< 0.026 mg/kg
Chlorodibromomethane	0.03 mg/kg	12 mg/kg	< 0.031 mg/kg	< 0.033 mg/kg	< 0.030 mg/kg	< 0.033 mg/kg
Chloroethane		1000 mg/kg	< 0.070 mg/kg	< 0.074 mg/kg	< 0.068 mg/kg	< 0.075 mg/kg
Chloroform	0.17 mg/kg	2.5 mg/kg	< 0.040 mg/kg	< 0.043 mg/kg	< 0.039 mg/kg	< 0.043 mg/kg
Chloromethane	0.006 mg/kg	8 mg/kg	< 0.039 mg/kg	< 0.042 mg/kg	< 0.038 mg/kg	< 0.042 mg/kg
Chlorotoluene o-		436 mg/kg	< 0.017 mg/kg	< 0.018 mg/kg	< 0.017 mg/kg	< 0.019 mg/kg
Chlorotoluene p-			< 0.028 mg/kg	< 0.030 mg/kg	< 0.027 mg/kg	< 0.030 mg/kg
Cumene (isopropyl benzene)	18 mg/kg	30 mg/kg	< 0.022 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.024 mg/kg

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC3TT1S 5 6/9/2009	SOC3TT2 3-4 6/9/2009	SOC3TT2 5 6/9/2009	SOC3TT3 0.5 6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV				
Cymene p- (Toluene isopropyl p-)			< 0.029 mg/kg	< 0.031 mg/kg	< 0.028 mg/kg	< 0.031 mg/kg
Dibromomethane (methylene bromide)		260 mg/kg	< 0.044 mg/kg	< 0.047 mg/kg	< 0.043 mg/kg	< 0.047 mg/kg
Dichlorodifluoromethane (CFC-12)	38 mg/kg	16 mg/kg	< 0.078 mg/kg	< 0.084 mg/kg	< 0.076 mg/kg	< 0.085 mg/kg
Dichlorofluoromethane (CFC-21)			< 0.042 mg/kg	< 0.045 mg/kg	< 0.041 mg/kg	< 0.045 mg/kg
Ethyl benzene	4.7 mg/kg	200 mg/kg	< 0.021 mg/kg	< 0.022 mg/kg	< 0.020 mg/kg	< 0.023 mg/kg
Ethyl ether	1.2 mg/kg		< 0.046 mg/kg	< 0.049 mg/kg	< 0.045 mg/kg	< 0.049 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.12 mg/kg	< 0.13 mg/kg	< 0.12 mg/kg	< 0.13 mg/kg
Methyl ethyl ketone	6.4 mg/kg	5500 mg/kg	< 0.11 mg/kg	< 0.12 mg/kg	< 0.11 mg/kg	< 0.12 mg/kg
Methyl isobutyl ketone	0.42 mg/kg	1700 mg/kg	< 0.088 mg/kg	< 0.094 mg/kg	< 0.086 mg/kg	< 0.095 mg/kg
Methyl tertiary butyl ether (MTBE)	0.027 mg/kg		< 0.016 mg/kg	< 0.017 mg/kg	< 0.016 mg/kg	< 0.018 mg/kg
Methylene chloride	0.068 mg/kg	97 mg/kg	< 0.16 mg/kg	< 0.17 mg/kg	< 0.16 mg/kg	< 0.18 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.062 mg/kg	< 0.066 mg/kg	< 0.061 mg/kg	< 0.067 mg/kg
Propylbenzene		30 mg/kg	< 0.013 mg/kg	< 0.014 mg/kg	< 0.013 mg/kg	< 0.014 mg/kg
Styrene	1.9 mg/kg	210 mg/kg	< 0.038 mg/kg	< 0.041 mg/kg	< 0.037 mg/kg	< 0.041 mg/kg
Tetrachloroethylene	0.068 mg/kg	72 mg/kg	< 0.034 mg/kg	< 0.036 mg/kg	< 0.033 mg/kg	< 0.036 mg/kg
Tetrahydrofuran	0.16 mg/kg		< 0.096 mg/kg	< 0.10 mg/kg	< 0.093 mg/kg	< 0.10 mg/kg
Toluene	6.4 mg/kg	107 mg/kg	< 0.027 mg/kg	< 0.029 mg/kg	< 0.026 mg/kg	< 0.029 mg/kg
Trichloroethylene	0.14 mg/kg	29 mg/kg	< 0.038 mg/kg	< 0.041 mg/kg	< 0.037 mg/kg	< 0.041 mg/kg
Trichlorofluoromethane	22 mg/kg	67 mg/kg	< 0.031 mg/kg	< 0.033 mg/kg	< 0.030 mg/kg	< 0.033 mg/kg
Trichlorotrifluoroethane (Freon 113)	2580 mg/kg	3745 mg/kg	< 0.062 mg/kg	< 0.066 mg/kg	< 0.061 mg/kg	< 0.067 mg/kg
Vinyl chloride	0.001 mg/kg	0.8 mg/kg	< 0.022 mg/kg	< 0.023 mg/kg	< 0.021 mg/kg	< 0.024 mg/kg
Xylenes, total	45 M mg/kg	45 M mg/kg	ND	ND	ND	ND
Pesticides						
2,4,5-TP (Silvex)			< 0.051 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.15 mg/kg
2,4,5-Trichlorophenoxyacetic acid		290 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.15 mg/kg
2,4-D		285 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.15 mg/kg
2,4-DB		226 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.15 mg/kg
4,4'-DDD		56 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
4,4'-DDE		40 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
4,4'-DDT		15 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
a-BHC		2 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Acetochlor			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Alachlor (Lasso)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Aldrin		1 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Atrazine (Primatol)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
b-BHC		7 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Bentazone			< 0.051 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.15 mg/kg
Chlordane, cis			< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Chlorpyrifos (Lorsban)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Cyanazine (Bladex)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
d-BHC			< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Deisopropyl atrazine			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Desethylatrazine			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Dicamba			< 0.051 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.15 mg/kg
Dieldrin		0.8 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Dimethenamid			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC3TT1S 5 6/9/2009	SOC3TT2 3-4 6/9/2009	SOC3TT2 5 6/9/2009	SOC3TT3 0.5 6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV				
Dinoseb (DNBP)			< 0.051 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.15 mg/kg
Endosulfan I			< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Endosulfan II			< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Endosulfan Sulfate			< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Endrin		8 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Endrin Aldehyde			< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Endrin Ketone			< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
EPTC (Eradicane)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Ethalfluralin (Sonalan)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Fonofos (Dyphonate)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
g-BHC (Lindane)		9 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
g-Chlordane			< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Heptachlor		2 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Heptachlor Epoxide		0.4 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
MCPA		16 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.15 mg/kg
Methoxychlor		11 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg
Metolachlor (Dual)		435 mg/kg	< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Metribuzin (Sencor, Lexone)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Pendimethalin (Prowl)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.15 mg/kg
Phorate (Thimet)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Picloram		2000 mg/kg	< 0.051 * mg/kg	< 0.051 * mg/kg	< 0.051 * mg/kg	< 0.15 * mg/kg
Prometon (Pramitol)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Propachlor (Ramrod)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Propazine (Milogard)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Simazine (Princep)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Terbufos (Counter)		0.6 mg/kg	< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Toxaphene		13 mg/kg	< 0.082 mg/kg	< 0.087 mg/kg	< 0.082 mg/kg	< 0.082 mg/kg
Triallate (Far-Go)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Triclopyr			< 0.051 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	< 0.15 mg/kg
Trifluralin (Treflan)			< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.12 mg/kg
Explosives						
Nitrocellulose			< 5.5 mg/kg	< 5.3 mg/kg	< 5.2 mg/kg	< 5.2 mg/kg

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

			Sys Loc Code	SOC3TT6 0-1		SOC3TT6R		SOC3TT7 0.5-1	SOC3TT8 0.5-1	SOC3TT9 0.5
			Sample Date	6/15/2009		9/18/2009		6/8/2009	6/8/2009	6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV								
Effective Date	06/27/2005	06/22/2009								
Exceedance Key	No Exceedance	Underline								
Metals										
Antimony	2.7 mg/kg	12 mg/kg	< 0.62 mg/kg	--	--	--	< 0.56 mg/kg	< 0.58 mg/kg	--	
Arsenic	15.1 mg/kg	9 mg/kg	9.8 mg/kg	--	--	--	5.9 mg/kg	6.4 mg/kg	3.8 mg/kg	
Beryllium	1.4 mg/kg	55 mg/kg	0.67 mg/kg	--	--	--	0.36 mg/kg	0.40 mg/kg	--	
Cadmium	4.4 mg/kg	25 mg/kg	< 0.31 mg/kg	--	--	--	< 0.28 mg/kg	< 0.29 mg/kg	--	
Chromium, total	1000000 mg/kg	44000 mg/kg	22 mg/kg	--	--	--	15 mg/kg	15 mg/kg	--	
Chromium, hexavalent	18 mg/kg	87 mg/kg	--	--	<2.7	<2.6	--	--	--	
Copper	400 mg/kg	100 mg/kg	15 mg/kg	--	--	--	12 mg/kg	8.9 mg/kg	--	
Lead	525 mg/kg	300 mg/kg	14 mg/kg	--	--	--	7.9 mg/kg	9.2 mg/kg	--	
Mercury	1.6 MC mg/kg	0.5 mg/kg	< 0.12 mg/kg	--	--	--	< 0.11 mg/kg	< 0.12 mg/kg	--	
Nickel	88 mg/kg	560 mg/kg	20 mg/kg	--	--	--	15 mg/kg	13 mg/kg	--	
Selenium	1.5 mg/kg	160 mg/kg	< 1.2 mg/kg	--	--	--	< 1.1 mg/kg	< 1.2 mg/kg	--	
Silver	3.9 mg/kg	160 mg/kg	< 0.31 mg/kg	--	--	--	< 0.28 mg/kg	< 0.29 mg/kg	--	
Thallium		3 mg/kg	< 2.5 mg/kg	--	--	--	< 2.2 mg/kg	< 2.3 mg/kg	--	
Zinc	1500 mg/kg	8700 mg/kg	53 mg/kg	--	--	--	35 mg/kg	39 mg/kg	--	
SVOCs										
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.034 mg/kg	< 0.033 mg/kg	--	--	< 0.030 mg/kg	< 0.031 mg/kg	--	
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg	--	--	< 0.028 mg/kg	< 0.029 mg/kg	--	
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	--	--	< 0.026 mg/kg	< 0.027 mg/kg	--	
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg	--	--	< 0.027 mg/kg	< 0.028 mg/kg	--	
2,3,4,6-Tetrachlorophenol		636 mg/kg	< 0.048 mg/kg	< 0.047 mg/kg	--	--	< 0.042 mg/kg	< 0.044 mg/kg	--	
2,4,5-Trichlorophenol		1920 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg	--	--	< 0.027 mg/kg	< 0.028 mg/kg	--	
2,4,6-Trichlorophenol	0.21 mg/kg	595 mg/kg	< 0.044 mg/kg	< 0.043 mg/kg	--	--	< 0.039 mg/kg	< 0.041 mg/kg	--	
2,4-Dichlorophenol	0.076 mg/kg	48 mg/kg	< 0.044 mg/kg	< 0.043 mg/kg	--	--	< 0.039 mg/kg	< 0.041 mg/kg	--	
2,4-Dimethylphenol	0.34 mg/kg	390 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg	--	--	< 0.10 mg/kg	< 0.10 mg/kg	--	
2,4-Dinitrophenol	0.014 mg/kg		< 0.072 mg/kg	< 0.072 mg/kg	--	--	< 0.064 mg/kg	< 0.067 mg/kg	--	
2,4-Dinitrotoluene	0.001 mg/kg	50 mg/kg	< 0.026 mg/kg	< 0.026 mg/kg	--	--	< 0.023 mg/kg	< 0.024 mg/kg	--	
2,6-Dichlorophenol			< 0.054 mg/kg	< 0.053 mg/kg	--	--	< 0.048 mg/kg	< 0.050 mg/kg	--	
2,6-Dinitrotoluene	0.001 mg/kg	25 mg/kg	< 0.024 mg/kg	< 0.023 mg/kg	--	--	< 0.021 mg/kg	< 0.022 mg/kg	--	
2-Chloronaphthalene			< 0.024 mg/kg	< 0.023 mg/kg	--	--	< 0.021 mg/kg	< 0.022 mg/kg	--	
2-Chlorophenol	0.26 mg/kg		< 0.048 mg/kg	< 0.047 mg/kg	--	--	< 0.042 mg/kg	< 0.044 mg/kg	--	
2-Methyl-4,6-dinitrophenol			< 0.092 mg/kg	< 0.091 mg/kg	--	--	< 0.082 mg/kg	< 0.086 mg/kg	--	
2-Methylnaphthalene		100 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg	--	--	< 0.031 mg/kg	< 0.033 mg/kg	--	
2-Nitroaniline			< 0.025 mg/kg	< 0.025 mg/kg	--	--	< 0.022 mg/kg	< 0.023 mg/kg	--	
2-Nitrophenol	0.6 mg/kg		< 0.045 mg/kg	< 0.044 mg/kg	--	--	< 0.040 mg/kg	< 0.042 mg/kg	--	
3,3`-Dichlorobenzidine	0.36 mg/kg	25 mg/kg	< 0.49 mg/kg	< 0.48 mg/kg	--	--	< 0.43 mg/kg	< 0.45 mg/kg	--	
3-Nitroaniline			< 0.041 mg/kg	< 0.041 mg/kg	--	--	< 0.037 mg/kg	< 0.038 mg/kg	--	
4-Bromophenyl phenyl ether			< 0.021 mg/kg	< 0.021 mg/kg	--	--	< 0.019 mg/kg	< 0.020 mg/kg	--	
4-Chloro-3-methylphenol			< 0.050 mg/kg	< 0.049 mg/kg	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--	
4-Chloroaniline			< 0.14 mg/kg	< 0.14 mg/kg	--	--	< 0.12 mg/kg	< 0.13 mg/kg	--	
4-Chlorophenyl phenyl ether			< 0.029 mg/kg	< 0.028 mg/kg	--	--	< 0.026 mg/kg	< 0.027 mg/kg	--	
4-Nitroaniline			< 0.029 mg/kg	< 0.028 mg/kg	--	--	< 0.026 mg/kg	< 0.027 mg/kg	--	
4-Nitrophenol			< 0.12 mg/kg	< 0.12 mg/kg	--	--	< 0.11 mg/kg	< 0.12 mg/kg	--	
Acenaphthene	50 mg/kg	1200 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg	--	--	< 0.031 mg/kg	< 0.033 mg/kg	--	

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

			Sys Loc Code	SOC3TT6 0-1		SOC3TT6R		SOC3TT7 0.5-1	SOC3TT8 0.5-1	SOC3TT9 0.5
			Sample Date	6/15/2009		9/18/2009		6/8/2009	6/8/2009	6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV								
Acenaphthylene				< 0.029 mg/kg	< 0.028 mg/kg	--	--	< 0.026 mg/kg	< 0.027 mg/kg	--
Aniline				< 0.11 mg/kg	< 0.11 mg/kg	--	--	< 0.10 mg/kg	< 0.10 mg/kg	--
Anthracene	942 mg/kg	7880 mg/kg		< 0.031 mg/kg	< 0.031 mg/kg	--	--	< 0.028 mg/kg	< 0.029 mg/kg	--
Azobenzene				< 0.025 mg/kg	< 0.025 mg/kg	--	--	< 0.022 mg/kg	< 0.023 mg/kg	--
Benzidine				< 0.90 mg/kg	< 0.89 mg/kg	--	--	< 0.80 mg/kg	< 0.84 mg/kg	--
Benzo(g,h,i)perylene				< 0.038 mg/kg	< 0.037 mg/kg	--	--	< 0.033 mg/kg	< 0.035 mg/kg	--
Benzoic Acid	30 mg/kg	50000 mg/kg		< 0.072 mg/kg	0.58 mg/kg	--	--	< 0.064 mg/kg	< 0.067 mg/kg	--
Benzyl alcohol		8700 mg/kg		< 0.15 mg/kg	< 0.15 mg/kg	--	--	< 0.13 mg/kg	< 0.14 mg/kg	--
Bis(2-chloroethoxy)methane				< 0.026 mg/kg	< 0.026 mg/kg	--	--	< 0.023 mg/kg	< 0.024 mg/kg	--
Bis(2-chloroethyl)ether	0.001 mg/kg	2.5 mg/kg		< 0.030 mg/kg	< 0.030 mg/kg	--	--	< 0.027 mg/kg	< 0.028 mg/kg	--
Bis(2-chloroisopropyl)ether	0.67 mg/kg			< 0.028 mg/kg	< 0.027 mg/kg	--	--	< 0.024 mg/kg	< 0.026 mg/kg	--
Bis(2-ethylhexyl)phthalate	40 mg/kg	570 mg/kg		< 0.025 mg/kg	< 0.025 mg/kg	--	--	< 0.022 mg/kg	< 0.023 mg/kg	--
Butyl benzyl phthalate	28 mg/kg	580 mg/kg		< 0.026 mg/kg	< 0.026 mg/kg	--	--	< 0.023 mg/kg	< 0.024 mg/kg	--
Carbazole		700 mg/kg		< 0.028 mg/kg	< 0.027 mg/kg	--	--	< 0.024 mg/kg	< 0.026 mg/kg	--
Dibenzofuran		104 mg/kg		< 0.024 mg/kg	< 0.023 mg/kg	--	--	< 0.021 mg/kg	< 0.022 mg/kg	--
Diethyl phthalate	18 mg/kg			< 0.019 mg/kg	< 0.019 mg/kg	--	--	< 0.017 mg/kg	< 0.017 mg/kg	--
Dimethyl phthalate	172 mg/kg			< 0.022 mg/kg	< 0.022 mg/kg	--	--	< 0.020 mg/kg	< 0.021 mg/kg	--
Di-n-butyl phthalate	23 mg/kg	2440 mg/kg		< 0.046 mg/kg	< 0.046 mg/kg	--	--	< 0.041 mg/kg	< 0.043 mg/kg	--
Di-n-octyl phthalate		520 mg/kg		< 0.031 mg/kg	< 0.031 mg/kg	--	--	< 0.028 mg/kg	< 0.029 mg/kg	--
Fluoranthene	295 mg/kg	1080 mg/kg		< 0.030 mg/kg	< 0.030 mg/kg	--	--	< 0.027 mg/kg	< 0.028 mg/kg	--
Fluorene	47 mg/kg	850 mg/kg		< 0.022 mg/kg	< 0.022 mg/kg	--	--	< 0.020 mg/kg	< 0.021 mg/kg	--
Hexachlorobenzene	0.32 mg/kg	5 mg/kg		< 0.020 mg/kg	< 0.020 mg/kg	--	--	< 0.018 mg/kg	< 0.019 mg/kg	--
Hexachlorobutadiene	25 mg/kg	6 mg/kg		< 0.041 mg/kg	< 0.041 mg/kg	--	--	< 0.037 mg/kg	< 0.038 mg/kg	--
Hexachlorocyclopentadiene	4.4 mg/kg	2 mg/kg		< 0.051 mg/kg	< 0.051 mg/kg	--	--	< 0.046 mg/kg	< 0.048 mg/kg	--
Hexachloroethane	0.05 mg/kg			< 0.035 mg/kg	< 0.035 mg/kg	--	--	< 0.031 mg/kg	< 0.033 mg/kg	--
Isophorone	0.16 mg/kg			< 0.021 mg/kg	< 0.021 mg/kg	--	--	< 0.019 mg/kg	< 0.020 mg/kg	--
Naphthalene	7.5 mg/kg	10 mg/kg		< 0.036 mg/kg	< 0.036 mg/kg	--	--	< 0.032 mg/kg	< 0.034 mg/kg	--
Nitrobenzene				< 0.038 mg/kg	< 0.037 mg/kg	--	--	< 0.033 mg/kg	< 0.035 mg/kg	--
N-Nitrosodimethylamine	0.82 mg/kg			< 0.040 mg/kg	< 0.040 mg/kg	--	--	< 0.036 mg/kg	< 0.037 mg/kg	--
N-Nitrosodi-n-propylamine		0.7 mg/kg		< 0.031 mg/kg	< 0.031 mg/kg	--	--	< 0.028 mg/kg	< 0.029 mg/kg	--
N-Nitrosodiphenylamine	0.88 mg/kg	1950 mg/kg		< 0.022 mg/kg	< 0.022 mg/kg	--	--	< 0.020 mg/kg	< 0.021 mg/kg	--
o-Cresol	0.064 mg/kg	75 mg/kg		< 0.044 mg/kg	< 0.043 mg/kg	--	--	< 0.039 mg/kg	< 0.041 mg/kg	--
p-Cresol	0.033 mg/kg	10 mg/kg		< 0.034 mg/kg	< 0.033 mg/kg	--	--	< 0.030 mg/kg	< 0.031 mg/kg	--
Pentachlorophenol	0.034 mg/kg	80 mg/kg		< 0.12 mg/kg	< 0.12 mg/kg	--	--	< 0.11 mg/kg	< 0.11 mg/kg	--
Phenanthrene				< 0.024 mg/kg	< 0.023 mg/kg	--	--	< 0.021 mg/kg	< 0.022 mg/kg	--
Phenol	7.8 mg/kg	1500 mg/kg		< 0.071 mg/kg	< 0.070 mg/kg	--	--	< 0.063 mg/kg	< 0.066 mg/kg	--
Pyrene	272 mg/kg	890 mg/kg		< 0.029 mg/kg	< 0.028 mg/kg	--	--	< 0.026 mg/kg	< 0.027 mg/kg	--
Benzo(a)anthracene	T	T		< 0.034 mg/kg	< 0.033 mg/kg	--	--	< 0.030 mg/kg	< 0.031 mg/kg	--
Benzo(a)pyrene	T	T		< 0.034 mg/kg	< 0.033 mg/kg	--	--	< 0.030 mg/kg	< 0.031 mg/kg	--
Benzo(b)fluoranthene	T	T		< 0.042 mg/kg	< 0.042 mg/kg	--	--	< 0.038 mg/kg	< 0.040 mg/kg	--
Benzo(k)fluoranthene	T	T		< 0.039 mg/kg	< 0.038 mg/kg	--	--	< 0.034 mg/kg	< 0.036 mg/kg	--
Chrysene	T	T		< 0.041 mg/kg	< 0.041 mg/kg	--	--	< 0.037 mg/kg	< 0.038 mg/kg	--
Dibenz(a,h)anthracene	T	T		< 0.042 mg/kg	< 0.042 mg/kg	--	--	< 0.038 mg/kg	< 0.040 mg/kg	--
Indeno(1,2,3-cd)pyrene	T	T		< 0.040 mg/kg	< 0.040 mg/kg	--	--	< 0.036 mg/kg	< 0.037 mg/kg	--
BaP equivalent, non-detects at zero for the detection limit.[1]	10.2 T mg/kg	2 T mg/kg		ND	ND	--	--	ND	ND	--

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC3TT6 0-1		SOC3TT6R		SOC3TT7 0.5-1	SOC3TT8 0.5-1	SOC3TT9 0.5
		Sample Date	6/15/2009		9/18/2009		6/8/2009	6/8/2009	6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV							
VOCs									
1,1,1,2-Tetrachloroethane	1.4 mg/kg	31 mg/kg	< 0.032 mg/kg	< 0.032 mg/kg	--	--	< 0.027 mg/kg	< 0.028 mg/kg	--
1,1,1-Trichloroethane	3.5 mg/kg	140 mg/kg	< 0.041 mg/kg	< 0.041 mg/kg	--	--	< 0.035 mg/kg	< 0.036 mg/kg	--
1,1,2,2-Tetrachloroethane	0.005 mg/kg	3.5 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg	--	--	< 0.026 mg/kg	< 0.027 mg/kg	--
1,1,2-Trichloroethane	0.01 mg/kg	9 mg/kg	< 0.046 mg/kg	< 0.046 mg/kg	--	--	< 0.039 mg/kg	< 0.040 mg/kg	--
1,1-Dichloro-1-propene			< 0.034 mg/kg	< 0.033 mg/kg	--	--	< 0.028 mg/kg	< 0.030 mg/kg	--
1,1-Dichloroethane	0.18 mg/kg	34 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg	--	--	< 0.025 mg/kg	< 0.026 mg/kg	--
1,1-Dichloroethylene	0.025 mg/kg	20 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg	--	--	< 0.026 mg/kg	< 0.027 mg/kg	--
1,2,3-Trichlorobenzene			< 0.082 mg/kg	< 0.081 mg/kg	--	--	< 0.069 mg/kg	< 0.072 mg/kg	--
1,2,3-Trichloropropane	0.35 mg/kg		< 0.066 mg/kg	< 0.065 mg/kg	--	--	< 0.055 mg/kg	< 0.058 mg/kg	--
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.080 mg/kg	< 0.079 mg/kg	--	--	< 0.067 mg/kg	< 0.070 mg/kg	--
1,2,4-Trimethylbenzene		8 mg/kg	< 0.025 mg/kg	< 0.025 mg/kg	--	--	< 0.021 mg/kg	< 0.022 mg/kg	--
1,2-Dibromo-3-chloropropane	0.001 mg/kg		< 0.071 mg/kg	< 0.070 mg/kg	--	--	< 0.060 mg/kg	< 0.062 mg/kg	--
1,2-Dibromoethane	0.00001 mg/kg	0.3 mg/kg	< 0.048 mg/kg	< 0.047 mg/kg	--	--	< 0.040 mg/kg	< 0.042 mg/kg	--
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.034 mg/kg	< 0.033 mg/kg	--	--	< 0.028 mg/kg	< 0.030 mg/kg	--
1,2-Dichloroethane	0.01 mg/kg	4 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg	--	--	< 0.026 mg/kg	< 0.027 mg/kg	--
1,2-Dichloroethylene, cis	0.14 mg/kg	8 mg/kg	< 0.058 mg/kg	< 0.057 mg/kg	--	--	< 0.048 mg/kg	< 0.050 mg/kg	--
1,2-Dichloroethylene, trans	0.27 mg/kg	11 mg/kg	< 0.028 mg/kg	< 0.027 mg/kg	--	--	< 0.023 mg/kg	< 0.024 mg/kg	--
1,2-Dichloropropane	0.011 mg/kg	4 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg	--	--	< 0.029 mg/kg	< 0.031 mg/kg	--
1,3,5-Trimethylbenzene		3 mg/kg	< 0.019 mg/kg	< 0.019 mg/kg	--	--	< 0.016 mg/kg	< 0.016 mg/kg	--
1,3-Dichloro-1-propene trans	0.005 mg/kg		< 0.044 mg/kg	< 0.043 mg/kg	--	--	< 0.037 mg/kg	< 0.038 mg/kg	--
1,3-Dichloro-1-propene, cis	0.005 mg/kg		< 0.029 mg/kg	< 0.028 mg/kg	--	--	< 0.024 mg/kg	< 0.025 mg/kg	--
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg	--	--	< 0.029 mg/kg	< 0.031 mg/kg	--
1,3-Dichloropropane			< 0.021 mg/kg	< 0.021 mg/kg	--	--	< 0.018 mg/kg	< 0.019 mg/kg	--
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.022 mg/kg	< 0.022 mg/kg	--	--	< 0.019 mg/kg	< 0.020 mg/kg	--
2,2-Dichloropropane			< 0.085 mg/kg	< 0.084 mg/kg	--	--	< 0.071 mg/kg	< 0.074 mg/kg	--
Acetone	0.7 mg/kg	340 mg/kg	< 0.40 mg/kg	< 0.40 mg/kg	--	--	< 0.33 mg/kg	< 0.35 mg/kg	--
Allyl Chloride	0.032 mg/kg		< 0.084 mg/kg	< 0.083 mg/kg	--	--	< 0.070 mg/kg	< 0.073 mg/kg	--
Benzene	0.034 mg/kg	6 mg/kg	< 0.019 mg/kg	< 0.019 mg/kg	--	--	< 0.016 mg/kg	< 0.016 mg/kg	--
Bromobenzene			< 0.024 mg/kg	< 0.023 mg/kg	--	--	< 0.020 mg/kg	< 0.021 mg/kg	--
Bromochloromethane	0.15 mg/kg		< 0.031 mg/kg	< 0.031 mg/kg	--	--	< 0.026 mg/kg	< 0.027 mg/kg	--
Bromodichloromethane	0.013 mg/kg	10 mg/kg	< 0.044 mg/kg	< 0.043 mg/kg	--	--	< 0.037 mg/kg	< 0.038 mg/kg	--
Bromoform	0.14 mg/kg	370 mg/kg	< 0.10 mg/kg	< 0.099 mg/kg	--	--	< 0.084 mg/kg	< 0.087 mg/kg	--
Bromomethane	0.5 mg/kg	0.7 mg/kg	< 0.18 mg/kg	< 0.17 mg/kg	--	--	< 0.15 mg/kg	< 0.15 mg/kg	--
Butyl benzene		30 mg/kg	< 0.040 mg/kg	< 0.040 mg/kg	--	--	< 0.033 mg/kg	< 0.035 mg/kg	--
Butylbenzene sec		25 mg/kg	< 0.012 mg/kg	< 0.012 mg/kg	--	--	< 0.010 mg/kg	< 0.011 mg/kg	--
Butylbenzene tert-		30 mg/kg	< 0.022 mg/kg	< 0.022 mg/kg	--	--	< 0.019 mg/kg	< 0.020 mg/kg	--
Carbon tetrachloride	0.023 mg/kg	0.3 mg/kg	< 0.034 mg/kg	< 0.033 mg/kg	--	--	< 0.028 mg/kg	< 0.030 mg/kg	--
Chlorobenzene	1.1 mg/kg	11 mg/kg	< 0.031 mg/kg	< 0.031 mg/kg	--	--	< 0.026 mg/kg	< 0.027 mg/kg	--
Chlorodibromomethane	0.03 mg/kg	12 mg/kg	< 0.040 mg/kg	< 0.040 mg/kg	--	--	< 0.033 mg/kg	< 0.035 mg/kg	--
Chloroethane		1000 mg/kg	< 0.091 mg/kg	< 0.090 mg/kg	--	--	< 0.076 mg/kg	< 0.080 mg/kg	--
Chloroform	0.17 mg/kg	2.5 mg/kg	< 0.052 mg/kg	< 0.052 mg/kg	--	--	< 0.044 mg/kg	< 0.046 mg/kg	--
Chloromethane	0.006 mg/kg	8 mg/kg	< 0.051 mg/kg	< 0.051 mg/kg	--	--	< 0.043 mg/kg	< 0.045 mg/kg	--
Chlorotoluene o-		436 mg/kg	< 0.022 mg/kg	< 0.022 mg/kg	--	--	< 0.019 mg/kg	< 0.020 mg/kg	--
Chlorotoluene p-			< 0.036 mg/kg	< 0.036 mg/kg	--	--	< 0.030 mg/kg	< 0.032 mg/kg	--
Cumene (isopropyl benzene)	18 mg/kg	30 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	--	--	< 0.024 mg/kg	< 0.025 mg/kg	--

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC3TT6 0-1		SOC3TT6R		SOC3TT7 0.5-1	SOC3TT8 0.5-1	SOC3TT9 0.5
		Sample Date	6/15/2009		9/18/2009		6/8/2009	6/8/2009	6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV							
Cymene p- (Toluene isopropyl p-)			< 0.038 mg/kg	< 0.037 mg/kg	--	--	< 0.031 mg/kg	< 0.033 mg/kg	--
Dibromomethane (methylene bromide)		260 mg/kg	< 0.058 mg/kg	< 0.057 mg/kg	--	--	< 0.048 mg/kg	< 0.050 mg/kg	--
Dichlorodifluoromethane (CFC-12)	38 mg/kg	16 mg/kg	< 0.10 mg/kg	< 0.10 mg/kg	--	--	< 0.086 mg/kg	< 0.090 mg/kg	--
Dichlorofluoromethane (CFC-21)			< 0.055 mg/kg	< 0.054 mg/kg	--	--	< 0.046 mg/kg	< 0.048 mg/kg	--
Ethyl benzene	4.7 mg/kg	200 mg/kg	< 0.028 mg/kg	< 0.027 mg/kg	--	--	< 0.023 mg/kg	< 0.024 mg/kg	--
Ethyl ether	1.2 mg/kg		< 0.060 mg/kg	< 0.059 mg/kg	--	--	< 0.050 mg/kg	< 0.052 mg/kg	--
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.16 mg/kg	< 0.16 mg/kg	--	--	< 0.14 mg/kg	< 0.14 mg/kg	--
Methyl ethyl ketone	6.4 mg/kg	5500 mg/kg	< 0.15 mg/kg	< 0.15 mg/kg	--	--	< 0.13 mg/kg	< 0.13 mg/kg	--
Methyl isobutyl ketone	0.42 mg/kg	1700 mg/kg	< 0.12 mg/kg	< 0.11 mg/kg	--	--	< 0.096 mg/kg	< 0.10 mg/kg	--
Methyl tertiary butyl ether (MTBE)	0.027 mg/kg		< 0.021 mg/kg	< 0.021 mg/kg	--	--	< 0.018 mg/kg	< 0.019 mg/kg	--
Methylene chloride	0.068 mg/kg	97 mg/kg	< 0.21 mg/kg	< 0.21 mg/kg	--	--	< 0.18 mg/kg	< 0.19 mg/kg	--
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.081 mg/kg	< 0.080 mg/kg	--	--	< 0.068 mg/kg	< 0.071 mg/kg	--
Propylbenzene		30 mg/kg	< 0.018 mg/kg	< 0.017 mg/kg	--	--	< 0.015 mg/kg	< 0.015 mg/kg	--
Styrene	1.9 mg/kg	210 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	--	--	< 0.042 mg/kg	< 0.044 mg/kg	--
Tetrachloroethylene	0.068 mg/kg	72 mg/kg	< 0.044 mg/kg	< 0.043 mg/kg	--	--	< 0.037 mg/kg	< 0.038 mg/kg	--
Tetrahydrofuran	0.16 mg/kg		< 0.12 mg/kg	< 0.12 mg/kg	--	--	< 0.10 mg/kg	< 0.11 mg/kg	--
Toluene	6.4 mg/kg	107 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg	--	--	< 0.029 mg/kg	< 0.031 mg/kg	--
Trichloroethylene	0.14 mg/kg	29 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	--	--	< 0.042 mg/kg	< 0.044 mg/kg	--
Trichlorofluoromethane	22 mg/kg	67 mg/kg	< 0.040 mg/kg	< 0.040 mg/kg	--	--	< 0.033 mg/kg	< 0.035 mg/kg	--
Trichlorotrifluoroethane (Freon 113)	2580 mg/kg	3745 mg/kg	< 0.081 mg/kg	< 0.080 mg/kg	--	--	< 0.068 mg/kg	< 0.071 mg/kg	--
Vinyl chloride	0.001 mg/kg	0.8 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	--	--	< 0.024 mg/kg	< 0.025 mg/kg	--
Xylenes, total	45 M mg/kg	45 M mg/kg	0.169 a mg/kg	ND	--	--	ND	ND	--
Pesticides									
2,4,5-TP (Silvex)			< 0.18 mg/kg	--	--	--	< 0.057 mg/kg	< 0.059 mg/kg	--
2,4,5-Trichlorophenoxyacetic acid		290 mg/kg	< 0.18 mg/kg	--	--	--	< 0.057 mg/kg	< 0.059 mg/kg	--
2,4-D		285 mg/kg	< 0.18 mg/kg	--	--	--	< 0.057 mg/kg	< 0.059 mg/kg	--
2,4-DB		226 mg/kg	< 0.18 mg/kg	--	--	--	< 0.057 mg/kg	< 0.059 mg/kg	--
4,4'-DDD		56 mg/kg	< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
4,4'-DDE		40 mg/kg	< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
4,4'-DDT		15 mg/kg	< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
a-BHC		2 mg/kg	< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Acetochlor			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Alachlor (Lasso)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Aldrin		1 mg/kg	< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Atrazine (Primatol)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
b-BHC		7 mg/kg	< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Bentazone			< 0.18 mg/kg	--	--	--	< 0.057 mg/kg	< 0.059 mg/kg	--
Chlordane, cis			< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Chlorpyrifos (Lorsban)			< 0.15 mg/kg	--	--	--	< 0.046 * mg/kg	< 0.047 mg/kg	--
Cyanazine (Bladex)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
d-BHC			< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Deisopropyl atrazine			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Desethylatrazine			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Dicamba			< 0.18 mg/kg	--	--	--	< 0.057 mg/kg	< 0.059 mg/kg	--
Dieldrin		0.8 mg/kg	< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Dimethenamid			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC3TT6 0-1		SOC3TT6R		SOC3TT7 0.5-1	SOC3TT8 0.5-1	SOC3TT9 0.5
		Sample Date	6/15/2009		9/18/2009		6/8/2009	6/8/2009	6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV							
Dinoseb (DNBP)			< 0.18 mg/kg	--	--	--	< 0.057 mg/kg	< 0.059 mg/kg	--
Endosulfan I			< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Endosulfan II			< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Endosulfan Sulfate			< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Endrin		8 mg/kg	< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Endrin Aldehyde			< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Endrin Ketone			< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
EPTC (Eradicane)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Ethalfluralin (Sonalan)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Fonofos (Dyphonate)			< 0.15 mg/kg	--	--	--	< 0.046 * mg/kg	< 0.047 mg/kg	--
g-BHC (Lindane)		9 mg/kg	< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
g-Chlordane			< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Heptachlor		2 mg/kg	< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Heptachlor Epoxide		0.4 mg/kg	< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
MCPA		16 mg/kg	< 0.18 mg/kg	--	--	--	< 0.057 mg/kg	< 0.059 mg/kg	--
Methoxychlor		11 mg/kg	< 0.050 mg/kg	--	--	--	< 0.044 mg/kg	< 0.047 mg/kg	--
Metolachlor (Dual)		435 mg/kg	< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Metribuzin (Sencor, Lexone)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Pendimethalin (Prowl)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.18 mg/kg	--	--	--	< 0.057 mg/kg	< 0.059 mg/kg	--
Phorate (Thimet)			< 0.15 mg/kg	--	--	--	< 0.046 * mg/kg	< 0.047 mg/kg	--
Picloram		2000 mg/kg	< 0.18 * mg/kg	--	--	--	< 0.057 * mg/kg	< 0.059 * mg/kg	--
Prometon (Pramitol)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Propachlor (Ramrod)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Propazine (Milogard)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Simazine (Princep)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Terbufos (Counter)		0.6 mg/kg	< 0.15 mg/kg	--	--	--	< 0.046 * mg/kg	< 0.047 mg/kg	--
Toxaphene		13 mg/kg	< 0.10 mg/kg	--	--	--	< 0.089 mg/kg	< 0.093 mg/kg	--
Triallate (Far-Go)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Triclopyr			< 0.18 mg/kg	--	--	--	< 0.057 mg/kg	< 0.059 mg/kg	--
Trifluralin (Treflan)			< 0.15 mg/kg	--	--	--	< 0.046 mg/kg	< 0.047 mg/kg	--
Explosives									
Nitrocellulose			< 6.3 mg/kg	< 6.1 mg/kg	--	--	< 5.5 mg/kg	< 6.6 mg/kg	--

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC3TT9 7-8 6/15/2009	SOC3TT13 0.5 6/15/2009	SOC3TT13 1 6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV			
Effective Date	06/27/2005	06/22/2009			
Exceedance Key	No Exceedance	Underline			
Metals					
Antimony	2.7 mg/kg	12 mg/kg	< 0.52 mg/kg	--	< 0.54 mg/kg
Arsenic	15.1 mg/kg	9 mg/kg	1.4 mg/kg	2.6 mg/kg	3.3 mg/kg
Beryllium	1.4 mg/kg	55 mg/kg	< 0.26 mg/kg	--	< 0.27 mg/kg
Cadmium	4.4 mg/kg	25 mg/kg	< 0.26 mg/kg	--	< 0.27 mg/kg
Chromium, total	1000000 mg/kg	44000 mg/kg	6.1 mg/kg	--	10 mg/kg
Chromium, hexavalent	18 mg/kg	87 mg/kg	--	--	--
Copper	400 mg/kg	100 mg/kg	5.2 mg/kg	--	7.4 mg/kg
Lead	525 mg/kg	300 mg/kg	1.9 mg/kg	--	4.4 mg/kg
Mercury	1.6 MC mg/kg	0.5 mg/kg	< 0.10 mg/kg	--	< 0.11 mg/kg
Nickel	88 mg/kg	560 mg/kg	6.3 mg/kg	--	9.4 mg/kg
Selenium	1.5 mg/kg	160 mg/kg	< 1.0 mg/kg	--	< 1.1 mg/kg
Silver	3.9 mg/kg	160 mg/kg	< 0.26 mg/kg	--	< 0.27 mg/kg
Thallium		3 mg/kg	< 2.1 mg/kg	--	< 2.2 mg/kg
Zinc	1500 mg/kg	8700 mg/kg	21 mg/kg	--	25 mg/kg
SVOCs					
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.028 mg/kg	--	< 0.029 mg/kg
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.026 mg/kg	--	< 0.027 mg/kg
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.024 mg/kg	--	< 0.025 mg/kg
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.025 mg/kg	--	< 0.026 mg/kg
2,3,4,6-Tetrachlorophenol		636 mg/kg	< 0.039 mg/kg	--	< 0.041 mg/kg
2,4,5-Trichlorophenol		1920 mg/kg	< 0.025 mg/kg	--	< 0.026 mg/kg
2,4,6-Trichlorophenol	0.21 mg/kg	595 mg/kg	< 0.036 mg/kg	--	< 0.038 mg/kg
2,4-Dichlorophenol	0.076 mg/kg	48 mg/kg	< 0.036 mg/kg	--	< 0.038 mg/kg
2,4-Dimethylphenol	0.34 mg/kg	390 mg/kg	< 0.093 mg/kg	--	< 0.097 mg/kg
2,4-Dinitrophenol	0.014 mg/kg		< 0.060 mg/kg	--	< 0.062 mg/kg
2,4-Dinitrotoluene	0.001 mg/kg	50 mg/kg	< 0.022 mg/kg	--	< 0.023 mg/kg
2,6-Dichlorophenol			< 0.044 mg/kg	--	< 0.046 mg/kg
2,6-Dinitrotoluene	0.001 mg/kg	25 mg/kg	< 0.020 mg/kg	--	< 0.020 mg/kg
2-Chloronaphthalene			< 0.020 mg/kg	--	< 0.020 mg/kg
2-Chlorophenol	0.26 mg/kg		< 0.039 mg/kg	--	< 0.041 mg/kg
2-Methyl-4,6-dinitrophenol			< 0.076 mg/kg	--	< 0.080 mg/kg
2-Methylnaphthalene		100 mg/kg	< 0.029 mg/kg	--	< 0.030 mg/kg
2-Nitroaniline			< 0.021 mg/kg	--	< 0.022 mg/kg
2-Nitrophenol	0.6 mg/kg		< 0.037 mg/kg	--	< 0.039 mg/kg
3,3`-Dichlorobenzidine	0.36 mg/kg	25 mg/kg	< 0.40 mg/kg	--	< 0.42 mg/kg
3-Nitroaniline			< 0.034 mg/kg	--	< 0.035 mg/kg
4-Bromophenyl phenyl ether			< 0.018 mg/kg	--	< 0.018 mg/kg
4-Chloro-3-methylphenol			< 0.041 mg/kg	--	< 0.043 mg/kg
4-Chloroaniline			< 0.11 mg/kg	--	< 0.12 mg/kg
4-Chlorophenyl phenyl ether			< 0.024 mg/kg	--	< 0.025 mg/kg
4-Nitroaniline			< 0.024 mg/kg	--	< 0.025 mg/kg
4-Nitrophenol			< 0.10 mg/kg	--	< 0.11 mg/kg
Acenaphthene	50 mg/kg	1200 mg/kg	< 0.029 mg/kg	--	< 0.030 mg/kg

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC3TT9 7-8 6/15/2009	SOC3TT13 0.5 6/15/2009	SOC3TT13 1 6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV			
Acenaphthylene			< 0.024 mg/kg	--	< 0.025 mg/kg
Aniline			< 0.093 mg/kg	--	< 0.097 mg/kg
Anthracene	942 mg/kg	7880 mg/kg	< 0.026 mg/kg	--	< 0.027 mg/kg
Azobenzene			< 0.021 mg/kg	--	< 0.022 mg/kg
Benzidine			< 0.74 mg/kg	--	< 0.77 mg/kg
Benzo(g,h,i)perylene			< 0.031 mg/kg	--	< 0.032 mg/kg
Benzoic Acid	30 mg/kg	50000 mg/kg	< 0.060 mg/kg	--	< 0.062 mg/kg
Benzyl alcohol		8700 mg/kg	< 0.12 mg/kg	--	< 0.13 mg/kg
Bis(2-chloroethoxy)methane			< 0.022 mg/kg	--	< 0.023 mg/kg
Bis(2-chloroethyl)ether	0.001 mg/kg	2.5 mg/kg	< 0.025 mg/kg	--	< 0.026 mg/kg
Bis(2-chloroisopropyl)ether	0.67 mg/kg		< 0.023 mg/kg	--	< 0.024 mg/kg
Bis(2-ethylhexyl)phthalate	40 mg/kg	570 mg/kg	< 0.021 mg/kg	--	< 0.022 mg/kg
Butyl benzyl phthalate	28 mg/kg	580 mg/kg	< 0.022 mg/kg	--	< 0.023 mg/kg
Carbazole		700 mg/kg	< 0.023 mg/kg	--	< 0.024 mg/kg
Dibenzofuran		104 mg/kg	< 0.020 mg/kg	--	< 0.020 mg/kg
Diethyl phthalate	18 mg/kg		< 0.015 mg/kg	--	< 0.016 mg/kg
Dimethyl phthalate	172 mg/kg		< 0.019 mg/kg	--	< 0.019 mg/kg
Di-n-butyl phthalate	23 mg/kg	2440 mg/kg	< 0.038 mg/kg	--	< 0.040 mg/kg
Di-n-octyl phthalate		520 mg/kg	< 0.026 mg/kg	--	< 0.027 mg/kg
Fluoranthene	295 mg/kg	1080 mg/kg	< 0.025 mg/kg	--	< 0.026 mg/kg
Fluorene	47 mg/kg	850 mg/kg	< 0.019 mg/kg	--	< 0.019 mg/kg
Hexachlorobenzene	0.32 mg/kg	5 mg/kg	< 0.016 mg/kg	--	< 0.017 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.034 mg/kg	--	< 0.035 mg/kg
Hexachlorocyclopentadiene	4.4 mg/kg	2 mg/kg	< 0.042 mg/kg	--	< 0.044 mg/kg
Hexachloroethane	0.05 mg/kg		< 0.029 mg/kg	--	< 0.030 mg/kg
Isophorone	0.16 mg/kg		< 0.018 mg/kg	--	< 0.018 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.030 mg/kg	--	< 0.031 mg/kg
Nitrobenzene			< 0.031 mg/kg	--	< 0.032 mg/kg
N-Nitrosodimethylamine	0.82 mg/kg		< 0.033 mg/kg	--	< 0.034 mg/kg
N-Nitrosodi-n-propylamine		0.7 mg/kg	< 0.026 mg/kg	--	< 0.027 mg/kg
N-Nitrosodiphenylamine	0.88 mg/kg	1950 mg/kg	< 0.019 mg/kg	--	< 0.019 mg/kg
o-Cresol	0.064 mg/kg	75 mg/kg	< 0.036 mg/kg	--	< 0.038 mg/kg
p-Cresol	0.033 mg/kg	10 mg/kg	< 0.028 mg/kg	--	< 0.029 mg/kg
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.099 mg/kg	--	< 0.10 mg/kg
Phenanthrene			< 0.020 mg/kg	--	< 0.020 mg/kg
Phenol	7.8 mg/kg	1500 mg/kg	< 0.059 mg/kg	--	< 0.061 mg/kg
Pyrene	272 mg/kg	890 mg/kg	< 0.024 mg/kg	--	< 0.025 mg/kg
Benzo(a)anthracene	T	T	< 0.028 mg/kg	--	< 0.029 mg/kg
Benzo(a)pyrene	T	T	< 0.028 mg/kg	--	< 0.029 mg/kg
Benzo(b)fluoranthene	T	T	< 0.035 mg/kg	--	< 0.037 mg/kg
Benzo(k)fluoranthene	T	T	< 0.032 mg/kg	--	< 0.033 mg/kg
Chrysene	T	T	< 0.034 mg/kg	--	< 0.035 mg/kg
Dibenz(a,h)anthracene	T	T	< 0.035 mg/kg	--	< 0.037 mg/kg
Indeno(1,2,3-cd)pyrene	T	T	< 0.033 mg/kg	--	< 0.034 mg/kg
BaP equivalent, non-detects at zero for the detection limit.[1]	10.2 T mg/kg	2 T mg/kg	ND	--	ND

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC3TT9 7-8 6/15/2009	SOC3TT13 0.5 6/15/2009	SOC3TT13 1 6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV			
VOCs					
1,1,1,2-Tetrachloroethane	1.4 mg/kg	31 mg/kg	< 0.027 mg/kg	--	< 0.028 mg/kg
1,1,1-Trichloroethane	3.5 mg/kg	140 mg/kg	< 0.034 mg/kg	--	< 0.035 mg/kg
1,1,2,2-Tetrachloroethane	0.005 mg/kg	3.5 mg/kg	< 0.026 mg/kg	--	< 0.027 mg/kg
1,1,2-Trichloroethane	0.01 mg/kg	9 mg/kg	< 0.038 mg/kg	--	< 0.040 mg/kg
1,1-Dichloro-1-propene			< 0.028 mg/kg	--	< 0.029 mg/kg
1,1-Dichloroethane	0.18 mg/kg	34 mg/kg	< 0.025 mg/kg	--	< 0.026 mg/kg
1,1-Dichloroethylene	0.025 mg/kg	20 mg/kg	< 0.026 mg/kg	--	< 0.027 mg/kg
1,2,3-Trichlorobenzene			< 0.068 mg/kg	--	< 0.071 mg/kg
1,2,3-Trichloropropane	0.35 mg/kg		< 0.055 mg/kg	--	< 0.057 mg/kg
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.066 mg/kg	--	< 0.069 mg/kg
1,2,4-Trimethylbenzene		8 mg/kg	< 0.021 mg/kg	--	< 0.022 mg/kg
1,2-Dibromo-3-chloropropane	0.001 mg/kg		< 0.059 mg/kg	--	< 0.061 mg/kg
1,2-Dibromoethane	0.00001 mg/kg	0.3 mg/kg	< 0.039 mg/kg	--	< 0.041 mg/kg
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.028 mg/kg	--	< 0.029 mg/kg
1,2-Dichloroethane	0.01 mg/kg	4 mg/kg	< 0.026 mg/kg	--	< 0.027 mg/kg
1,2-Dichloroethylene, cis	0.14 mg/kg	8 mg/kg	< 0.047 mg/kg	--	< 0.049 mg/kg
1,2-Dichloroethylene, trans	0.27 mg/kg	11 mg/kg	< 0.023 mg/kg	--	< 0.024 mg/kg
1,2-Dichloropropane	0.011 mg/kg	4 mg/kg	< 0.029 mg/kg	--	< 0.030 mg/kg
1,3,5-Trimethylbenzene		3 mg/kg	< 0.015 mg/kg	--	< 0.016 mg/kg
1,3-Dichloro-1-propene trans	0.005 mg/kg		< 0.036 mg/kg	--	< 0.038 mg/kg
1,3-Dichloro-1-propene, cis	0.005 mg/kg		< 0.024 mg/kg	--	< 0.025 mg/kg
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.029 mg/kg	--	< 0.030 mg/kg
1,3-Dichloropropane			< 0.018 mg/kg	--	< 0.018 mg/kg
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.019 mg/kg	--	< 0.019 mg/kg
2,2-Dichloropropane			< 0.070 mg/kg	--	< 0.073 mg/kg
Acetone	0.7 mg/kg	340 mg/kg	< 0.33 mg/kg	--	< 0.34 mg/kg
Allyl Chloride	0.032 mg/kg		< 0.069 mg/kg	--	< 0.072 mg/kg
Benzene	0.034 mg/kg	6 mg/kg	< 0.015 mg/kg	--	< 0.016 mg/kg
Bromobenzene			< 0.020 mg/kg	--	< 0.020 mg/kg
Bromochloromethane	0.15 mg/kg		< 0.026 mg/kg	--	< 0.027 mg/kg
Bromodichloromethane	0.013 mg/kg	10 mg/kg	< 0.036 mg/kg	--	< 0.038 mg/kg
Bromoform	0.14 mg/kg	370 mg/kg	< 0.082 mg/kg	--	< 0.086 mg/kg
Bromomethane	0.5 mg/kg	0.7 mg/kg	< 0.14 mg/kg	--	< 0.15 mg/kg
Butyl benzene		30 mg/kg	< 0.033 mg/kg	--	< 0.034 mg/kg
Butylbenzene sec		25 mg/kg	< 0.010 mg/kg	--	< 0.011 mg/kg
Butylbenzene tert-		30 mg/kg	< 0.019 mg/kg	--	< 0.019 mg/kg
Carbon tetrachloride	0.023 mg/kg	0.3 mg/kg	< 0.028 mg/kg	--	< 0.029 mg/kg
Chlorobenzene	1.1 mg/kg	11 mg/kg	< 0.026 mg/kg	--	< 0.027 mg/kg
Chlorodibromomethane	0.03 mg/kg	12 mg/kg	< 0.033 mg/kg	--	< 0.034 mg/kg
Chloroethane		1000 mg/kg	< 0.075 mg/kg	--	< 0.078 mg/kg
Chloroform	0.17 mg/kg	2.5 mg/kg	< 0.043 mg/kg	--	< 0.045 mg/kg
Chloromethane	0.006 mg/kg	8 mg/kg	< 0.042 mg/kg	--	< 0.044 mg/kg
Chlorotoluene o-		436 mg/kg	< 0.019 mg/kg	--	< 0.019 mg/kg
Chlorotoluene p-			< 0.030 mg/kg	--	< 0.031 mg/kg
Cumene (isopropyl benzene)	18 mg/kg	30 mg/kg	< 0.024 mg/kg	--	< 0.025 mg/kg

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC3TT9 7-8	SOC3TT13 0.5	SOC3TT13 1
		Sample Date	6/15/2009	6/15/2009	6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV			
Cymene p- (Toluene isopropyl p-)			< 0.031 mg/kg	--	< 0.032 mg/kg
Dibromomethane (methylene bromide)		260 mg/kg	< 0.047 mg/kg	--	< 0.049 mg/kg
Dichlorodifluoromethane (CFC-12)	38 mg/kg	16 mg/kg	< 0.085 mg/kg	--	< 0.088 mg/kg
Dichlorofluoromethane (CFC-21)			< 0.045 mg/kg	--	< 0.047 mg/kg
Ethyl benzene	4.7 mg/kg	200 mg/kg	< 0.023 mg/kg	--	< 0.024 mg/kg
Ethyl ether	1.2 mg/kg		< 0.049 mg/kg	--	< 0.052 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.13 mg/kg	--	< 0.14 mg/kg
Methyl ethyl ketone	6.4 mg/kg	5500 mg/kg	< 0.12 mg/kg	--	< 0.13 mg/kg
Methyl isobutyl ketone	0.42 mg/kg	1700 mg/kg	< 0.095 mg/kg	--	< 0.099 mg/kg
Methyl tertiary butyl ether (MTBE)	0.027 mg/kg		< 0.018 mg/kg	--	< 0.018 mg/kg
Methylene chloride	0.068 mg/kg	97 mg/kg	< 0.18 mg/kg	--	< 0.18 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.067 mg/kg	--	< 0.070 mg/kg
Propylbenzene		30 mg/kg	< 0.014 mg/kg	--	< 0.015 mg/kg
Styrene	1.9 mg/kg	210 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
Tetrachloroethylene	0.068 mg/kg	72 mg/kg	< 0.036 mg/kg	--	< 0.038 mg/kg
Tetrahydrofuran	0.16 mg/kg		< 0.10 mg/kg	--	< 0.11 mg/kg
Toluene	6.4 mg/kg	107 mg/kg	< 0.029 mg/kg	--	< 0.030 mg/kg
Trichloroethylene	0.14 mg/kg	29 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
Trichlorofluoromethane	22 mg/kg	67 mg/kg	< 0.033 mg/kg	--	< 0.034 mg/kg
Trichlorotrifluoroethane (Freon 113)	2580 mg/kg	3745 mg/kg	< 0.067 mg/kg	--	< 0.070 mg/kg
Vinyl chloride	0.001 mg/kg	0.8 mg/kg	< 0.024 mg/kg	--	< 0.025 mg/kg
Xylenes, total	45 M mg/kg	45 M mg/kg	ND	--	ND
Pesticides					
2,4,5-TP (Silvex)			< 0.15 mg/kg	--	< 0.15 mg/kg
2,4,5-Trichlorophenoxyacetic acid		290 mg/kg	< 0.15 mg/kg	--	< 0.15 mg/kg
2,4-D		285 mg/kg	< 0.15 mg/kg	--	< 0.15 mg/kg
2,4-DB		226 mg/kg	< 0.15 mg/kg	--	< 0.15 mg/kg
4,4'-DDD		56 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
4,4'-DDE		40 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
4,4'-DDT		15 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
a-BHC		2 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
Acetochlor			< 0.12 mg/kg	--	< 0.13 mg/kg
Alachlor (Lasso)			< 0.12 mg/kg	--	< 0.13 mg/kg
Aldrin		1 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
Atrazine (Primatol)			< 0.12 mg/kg	--	< 0.13 mg/kg
b-BHC		7 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
Bentazone			< 0.15 mg/kg	--	< 0.15 mg/kg
Chlordane, cis			< 0.041 mg/kg	--	< 0.043 mg/kg
Chlorpyrifos (Lorsban)			< 0.12 mg/kg	--	< 0.13 mg/kg
Cyanazine (Bladex)			< 0.12 mg/kg	--	< 0.13 mg/kg
d-BHC			< 0.041 mg/kg	--	< 0.043 mg/kg
Deisopropyl atrazine			< 0.12 mg/kg	--	< 0.13 mg/kg
Desethylatrazine			< 0.12 mg/kg	--	< 0.13 mg/kg
Dicamba			< 0.15 mg/kg	--	< 0.15 mg/kg
Dieldrin		0.8 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
Dimethenamid			< 0.12 mg/kg	--	< 0.13 mg/kg

Table 6
SOC 3 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code Sample Date	SOC3TT9 7-8 6/15/2009	SOC3TT13 0.5 6/15/2009	SOC3TT13 1 6/15/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV			
Dinoseb (DNBP)			< 0.15 mg/kg	--	< 0.15 mg/kg
Endosulfan I			< 0.041 mg/kg	--	< 0.043 mg/kg
Endosulfan II			< 0.041 mg/kg	--	< 0.043 mg/kg
Endosulfan Sulfate			< 0.041 mg/kg	--	< 0.043 mg/kg
Endrin		8 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
Endrin Aldehyde			< 0.041 mg/kg	--	< 0.043 mg/kg
Endrin Ketone			< 0.041 mg/kg	--	< 0.043 mg/kg
EPTC (Eradicane)			< 0.12 mg/kg	--	< 0.13 mg/kg
Ethalfluralin (Sonalan)			< 0.12 mg/kg	--	< 0.13 mg/kg
Fonofos (Dyphonate)			< 0.12 mg/kg	--	< 0.13 mg/kg
g-BHC (Lindane)		9 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
g-Chlordane			< 0.041 mg/kg	--	< 0.043 mg/kg
Heptachlor		2 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
Heptachlor Epoxide		0.4 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
MCPA		16 mg/kg	< 0.15 mg/kg	--	< 0.15 mg/kg
Methoxychlor		11 mg/kg	< 0.041 mg/kg	--	< 0.043 mg/kg
Metolachlor (Dual)		435 mg/kg	< 0.12 mg/kg	--	< 0.13 mg/kg
Metribuzin (Sencor, Lexone)			< 0.12 mg/kg	--	< 0.13 mg/kg
Pendimethalin (Prowl)			< 0.12 mg/kg	--	< 0.13 mg/kg
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.15 mg/kg	--	< 0.15 mg/kg
Phorate (Thimet)			< 0.12 mg/kg	--	< 0.13 mg/kg
Picloram		2000 mg/kg	< 0.15 * mg/kg	--	< 0.15 * mg/kg
Prometon (Pramitol)			< 0.12 mg/kg	--	< 0.13 mg/kg
Propachlor (Ramrod)			< 0.12 mg/kg	--	< 0.13 mg/kg
Propazine (Milogard)			< 0.12 mg/kg	--	< 0.13 mg/kg
Simazine (Princep)			< 0.12 mg/kg	--	< 0.13 mg/kg
Terbufos (Counter)		0.6 mg/kg	< 0.12 mg/kg	--	< 0.13 mg/kg
Toxaphene		13 mg/kg	< 0.082 mg/kg	--	< 0.086 mg/kg
Triallate (Far-Go)			< 0.12 mg/kg	--	< 0.13 mg/kg
Triclopyr			< 0.15 mg/kg	--	< 0.15 mg/kg
Trifluralin (Treflan)			< 0.12 mg/kg	--	< 0.13 mg/kg
Explosives					
Nitrocellulose			< 5.1 mg/kg	--	< 5.3 mg/kg

Data Qualifiers/Footnotes	
Qualifier	**Definition**
--	Not analyzed/not available.
a	Estimated value, calculated using some or all values that are estimates.
b	Potential false positive value based on blank data validation procedures.
c	Coeluting compound.
e	Estimated value, exceeded the instrument calibration range.
h	EPA recommended sample preservation, extraction or analysis holding time was exceeded.
I	Indeterminate value based on failure of blind duplicate data to meet quality assurance criteria.
j	Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.
p	Relative percent difference is >40% (25% CLP pesticides) between primary and confirmation GC columns.
r	The presence of the compound is suspect based on the ID criteria of the retention time and relative retention time obtained from the examination of the chromatograms.
*	Estimated value, QA/QC criteria not met.
**	Unusable value, QA/QC criteria not met.
ND	Not detected.

Data Qualifiers / Footnotes

	Qualifier	Definition
MN Tier I SLV	DI	Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
	M	Value represents the criteria for mixed Xylenes.
	MC	Mercury as Mercuric Chloride.
	NA	Not Applicable.
	T	Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Chrysene and Indeno(1,2.3-cd)pyrene.
MN Tier I SRV	DI	Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
	M	Value represents the criteria for mixed Xylenes.
	T	Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Chrysene and Indeno(1,2.3-cd)pyrene.

1 Total BaP equivalence (2002) calculated using zero for the detection limit on the non detected compounds.

	CAS No.	Site Conc. (mg/kg) dry weight	Relative Potency Factor	BaP Equivalent (mg/kg)
Benzo(a)anthracene	56553	0.000	0.1	0.000
Benzo(b)fluoranthene	205992	0.000	0.1	0.000
Benzo(k)fluoranthene	207089	0.000	0.1	0.000
Benzo(a)pyrene	50328	0.000	1	0.000
Chrysene	218019	0.000	0.01	0.000
Dibenz(a,h)anthracene	53703	0.000	0.56	0.000
Indeno(1,2,3-cd)pyrene	193395	0.000	0.1	0.000
		Total BaP equivalence = compare this value to the BaP criteria		0.000

Table 7
SOC 3 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	**SOC3-GP2**		**SOC3-GP2R**	**SOC3-GP3**	**SOC3-GP3**	**SOC3-GP3**
			Sample Date	**6/9/2009**		**9/11/2009**	**6/8/2009**	**6/9/2009**	**6/10/2009**
Chemical Name	Total or Dissolved	EPA Maximum Contaminant Limit	MN GW Values Table						
Effective Date		5/1/2009	6/2/2009						
Exceedance Key		**Bold**	No Exceedance						
General Parameters									
Nitrate + Nitrite	NA	**10 mg/l**		4.80 mg/l	--	--	--	**13.7 mg/l**	--
Nitrogen total kjeldahl	NA			0.88 mg/l	--	--	--	1.02 mg/l	--
Perchlorate	NA			--	--	--	--	< 8.0 ug/l	--
Metals									
Antimony	Total	6 ug/l	6 HRL93 ug/l	--	--	--	--	--	--
Antimony	Dissolved	6 ug/l	6 HRL93 ug/l	**	**	0.40 j ug/l	**	--	--
Arsenic	Total	10 ug/l		--	--	--	--	--	--
Arsenic	Dissolved	10 ug/l		**	**	<10 ug/l	**	--	--
Beryllium	Total	4 ug/l	0.08 HRL93 ug/l	--	--	--	--	--	--
Beryllium	Dissolved	4 ug/l	0.08 HRL93 ug/l	**	**	<0.027 ug/l	**	--	--
Cadmium	Total	5 ug/l	4 HRL93 ug/l	--	--	--	--	--	--
Cadmium	Dissolved	5 ug/l	4 HRL93 ug/l	**	**	<1.0 ug/l	**	--	--
Chromium	Total	100 ug/l	100 CR ug/l	--	--	--	--	--	--
Chromium	Dissolved	100 ug/l	100 CR ug/l	**	**	<10 ug/l	**	--	--
Copper	Total	1300 TT (7) ug/l		--	--	--	--	--	--
Copper	Dissolved	1300 TT (7) ug/l		**	**	<20 ug/l	**	--	--
Lead	Total	15 TT(7) ug/l		--	--	--	--	--	--
Lead	Dissolved	15 TT(7) ug/l		**	**	<3.0 ug/l	**	--	--
Mercury	Total	2 ug/l		--	--	--	--	--	--
Mercury	Dissolved	2 ug/l		**	**	< 0.20 ug/l	**	--	--
Nickel	Total		100 HRL93 ug/l	--	--	--	--	--	--
Nickel	Dissolved		100 HRL93 ug/l	**	**	7.6 ug/l	**	--	--
Selenium	Total	50 ug/l	30 HRL93 ug/l	--	--	--	--	--	--
Selenium	Dissolved	50 ug/l	30 HRL93 ug/l	**	**	<20 ug/l	**	--	--
Silver	Total		30 HRL93 ug/l	--	--	--	--	--	--
Silver	Dissolved		30 HRL93 ug/l	**	**	<5.0 ug/l	**	--	--
Thallium	Total	2 ug/l	0.6 HRL94 ug/l	--	--	--	--	--	--
Thallium	Dissolved	2 ug/l	0.6 HRL94 ug/l	**	**	<0.0081 ug/l	**	--	--
Zinc	Total		2000 HRL94 ug/l	--	--	--	--	--	--
Zinc	Dissolved		2000 HRL94 ug/l	**	**	<20 ug/l	**	--	--
SVOCs									
1,2,4-Trichlorobenzene	NA	70 ug/l		< 0.18 ug/l	--	--	< 0.18 ug/l	--	--
1,2-Dichlorobenzene	NA	600 ug/l	600 HRL93 ug/l	< 0.21 ug/l	--	--	< 0.21 ug/l	--	--
1,3-Dichlorobenzene	NA			< 0.19 ug/l	--	--	< 0.19 ug/l	--	--
1,4-Dichlorobenzene	NA	75 ug/l	10 HRL94 ug/l	< 0.20 ug/l	--	--	< 0.20 ug/l	--	--
2,3,4,6-Tetrachlorophenol	NA			< 0.56 ug/l	--	--	< 0.56 ug/l	--	--
2,4,5-Trichlorophenol	NA			< 0.74 ug/l	--	--	< 0.74 ug/l	--	--
2,4,6-Trichlorophenol	NA		30 HRL93 ug/l	< 0.44 ug/l	--	--	< 0.44 ug/l	--	--
2,4-Dichlorophenol	NA		20 HRL93 ug/l	< 0.44 ug/l	--	--	< 0.44 ug/l	--	--
2,4-Dimethylphenol	NA		100 HRL93 ug/l	< 1.5 ug/l	--	--	< 1.5 ug/l	--	--
2,4-Dinitrophenol	NA		10 HRL94 ug/l	< 0.93 ug/l	--	--	< 0.93 ug/l	--	--
2,4-Dinitrotoluene	NA			< 0.31 ug/l	--	--	< 0.31 ug/l	--	--

Table 7
SOC 3 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC3-GP2		SOC3-GP2R	SOC3-GP3	SOC3-GP3	SOC3-GP3
			Sample Date	6/9/2009		9/11/2009	6/8/2009	6/9/2009	6/10/2009
Chemical Name	Total or Dissolved	EPA Maximum Contaminant Limit	MN GW Values Table						
2,6-Dichlorophenol	NA			< 0.44 ug/l	--	--	< 0.44 ug/l	--	--
2,6-Dinitrotoluene	NA			< 0.33 ug/l	--	--	< 0.33 ug/l	--	--
2-Chloronaphthalene	NA			< 0.26 ug/l	--	--	< 0.26 ug/l	--	--
2-Chlorophenol	NA		30 HRL93 ug/l	< 0.42 ug/l	--	--	< 0.42 ug/l	--	--
2-Methyl-4,6-dinitrophenol	NA			< 0.60 ug/l	--	--	< 0.60 ug/l	--	--
2-Methylnaphthalene	NA			< 0.61 ug/l	--	--	< 0.61 ug/l	--	--
2-Nitroaniline	NA			< 0.67 ug/l	--	--	< 0.67 ug/l	--	--
2-Nitrophenol	NA			< 0.83 ug/l	--	--	< 0.83 ug/l	--	--
3,3`-Dichlorobenzidine	NA		0.8 HRL93 ug/l	< 6.8 ug/l	--	--	< 6.8 ug/l	--	--
3-Nitroaniline	NA			< 1.1 ug/l	--	--	< 1.1 ug/l	--	--
4-Bromophenyl phenyl ether	NA			< 0.16 ug/l	--	--	< 0.16 ug/l	--	--
4-Chloro-3-methylphenol	NA			< 0.51 ug/l	--	--	< 0.51 ug/l	--	--
4-Chloroaniline	NA			< 2.1 ug/l	--	--	< 2.1 ug/l	--	--
4-Chlorophenyl phenyl ether	NA			< 0.23 ug/l	--	--	< 0.23 ug/l	--	--
4-Nitroaniline	NA			< 0.55 ug/l	--	--	< 0.55 ug/l	--	--
4-Nitrophenol	NA			< 1.1 ug/l	--	--	< 1.1 ug/l	--	--
Acenaphthene	NA		400 HRL93 ug/l	< 0.33 ug/l	--	--	< 0.33 ug/l	--	--
Acenaphthylene	NA			< 0.23 ug/l	--	--	< 0.23 ug/l	--	--
Aniline	NA			< 2.0 ug/l	--	--	< 2.0 ug/l	--	--
Anthracene	NA		2000 HRL93 ug/l	< 0.34 ug/l	--	--	< 0.34 ug/l	--	--
Azobenzene	NA			< 0.22 ug/l	--	--	< 0.22 ug/l	--	--
Benzidine	NA			< 17 ug/l	--	--	< 17 ug/l	--	--
Benzo(a)anthracene	NA			< 0.34 ug/l	--	--	< 0.34 ug/l	--	--
Benzo(a)pyrene	NA	0.2 ug/l		< 0.27 ug/l	--	--	< 0.27 ug/l	--	--
Benzo(b)fluoranthene	NA			< 0.20 ug/l	--	--	< 0.20 ug/l	--	--
Benzo(g,h,i)perylene	NA			< 0.24 ug/l	--	--	< 0.24 ug/l	--	--
Benzo(k)fluoranthene	NA			< 0.29 ug/l	--	--	< 0.29 ug/l	--	--
Benzoic Acid	NA		30000 HRL93 ug/l	< 1.1 ug/l	--	--	4.8 j ug/l	--	--
Benzyl alcohol	NA			< 0.50 ug/l	--	--	< 0.50 ug/l	--	--
Bis(2-chloroethoxy)methane	NA			< 0.17 ug/l	--	--	< 0.17 ug/l	--	--
Bis(2-chloroethyl)ether	NA		0.3 HRL93 ug/l	< 0.16 ug/l	--	--	< 0.16 ug/l	--	--
Bis(2-chloroisopropyl)ether	NA			< 0.18 ug/l	--	--	< 0.18 ug/l	--	--
Bis(2-ethylhexyl)phthalate	NA	6 ug/l		< 0.40 ug/l	--	--	< 0.40 ug/l	--	--
Butyl benzyl phthalate	NA		100 HRL93 ug/l	< 0.34 ug/l	--	--	< 0.34 ug/l	--	--
Carbazole	NA			< 0.24 ug/l	--	--	< 0.24 ug/l	--	--
Chrysene	NA			< 0.25 ug/l	--	--	< 0.25 ug/l	--	--
Dibenz(a,h)anthracene	NA			< 0.21 ug/l	--	--	< 0.21 ug/l	--	--
Dibenzofuran	NA			< 0.36 ug/l	--	--	< 0.36 ug/l	--	--
Diethyl phthalate	NA		6000 HRL93 ug/l	< 0.21 ug/l	--	--	< 0.21 ug/l	--	--
Dimethyl phthalate	NA		70000 HRL94 ug/l	< 0.22 ug/l	--	--	< 0.22 ug/l	--	--
Di-n-butyl phthalate	NA		700 HRL93 ug/l	< 0.26 ug/l	--	--	< 0.26 ug/l	--	--
Di-n-octyl phthalate	NA			< 0.35 ug/l	--	--	< 0.35 ug/l	--	--
Fluoranthene	NA		300 HRL93 ug/l	< 0.36 ug/l	--	--	< 0.36 ug/l	--	--
Fluorene	NA		300 HRL93 ug/l	< 0.37 ug/l	--	--	< 0.37 ug/l	--	--
Hexachlorobenzene	NA	1 ug/l	0.2 HRL93 ug/l	< 0.19 ug/l	--	--	< 0.19 ug/l	--	--

Table 7
SOC 3 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC3-GP2		SOC3-GP2R	SOC3-GP3	SOC3-GP3	SOC3-GP3
			Sample Date	6/9/2009		9/11/2009	6/8/2009	6/9/2009	6/10/2009
Chemical Name	Total or Dissolved	EPA Maximum Contaminant Limit	MN GW Values Table						
Hexachlorobutadiene	NA		1 HRL93 ug/l	< 0.24 ug/l	--	--	< 0.24 ug/l	--	--
Hexachlorocyclopentadiene	NA	50 ug/l		< 0.29 ug/l	--	--	< 0.29 ug/l	--	--
Hexachloroethane	NA			< 0.29 ug/l	--	--	< 0.29 ug/l	--	--
Indeno(1,2,3-cd)pyrene	NA			< 0.29 ug/l	--	--	< 0.29 ug/l	--	--
Isophorone	NA		100 HRL93 ug/l	< 0.21 ug/l	--	--	< 0.21 ug/l	--	--
Naphthalene	NA		300 HRL94 ug/l	< 0.34 ug/l	--	--	< 0.34 ug/l	--	--
Nitrobenzene	NA			< 0.36 ug/l	--	--	< 0.36 ug/l	--	--
N-Nitrosodimethylamine	NA			< 0.88 ug/l	--	--	< 0.88 ug/l	--	--
N-Nitrosodi-n-propylamine	NA			< 0.19 ug/l	--	--	< 0.19 ug/l	--	--
N-Nitrosodiphenylamine	NA		70 HRL93 ug/l	< 0.21 ug/l	--	--	< 0.21 ug/l	--	--
o-Cresol	NA		30 HRL93 ug/l	< 0.58 ug/l	--	--	< 0.58 ug/l	--	--
p-Cresol	NA		3 HRL94 ug/l	< 0.73 ug/l	--	--	< 0.73 ug/l	--	--
Pentachlorophenol	NA	1 ug/l		< 0.55 ug/l	--	--	< 0.55 ug/l	--	--
Phenanthrene	NA			< 0.36 ug/l	--	--	< 0.36 ug/l	--	--
Phenol	NA		4000 HRL93 ug/l	< 0.53 ug/l	--	--	< 0.53 ug/l	--	--
Pyrene	NA		200 HRL93 ug/l	< 0.44 ug/l	--	--	< 0.44 ug/l	--	--
VOCs									
1,1,1,2-Tetrachloroethane	NA		70 HRL93 ug/l	< 0.28 ug/l	--	--	--	< 0.28 ug/l	--
1,1,1-Trichloroethane	NA	200 ug/l	9000 HRL08 (1) ug/l	< 0.17 ug/l	--	--	--	< 0.17 ug/l	--
1,1,2,2-Tetrachloroethane	NA		2 HRL94 ug/l	< 0.13 ug/l	--	--	--	< 0.13 ug/l	--
1,1,2-Trichloroethane	NA	5 ug/l	3 HRL93 ug/l	< 0.19 ug/l	--	--	--	< 0.19 ug/l	--
1,1-Dichloro-1-propene	NA			< 0.15 ug/l	--	--	--	< 0.15 ug/l	--
1,1-Dichloroethane	NA		100 RAA ug/l	< 0.11 ug/l	--	--	--	< 0.11 ug/l	--
1,1-Dichloroethylene	NA	7 ug/l	200 HBV09 ug/l	< 0.12 ug/l	--	--	--	< 0.12 ug/l	--
1,2,3-Trichlorobenzene	NA			< 0.47 ug/l	--	--	--	< 0.47 ug/l	--
1,2,3-Trichloropropane	NA		40 HRL93 ug/l	< 0.24 ug/l	--	--	--	< 0.24 ug/l	--
1,2,4-Trichlorobenzene	NA	70 ug/l		< 0.32 ug/l	--	--	--	< 0.32 ug/l	--
1,2,4-Trimethylbenzene	NA			< 0.17 ug/l	--	--	--	< 0.17 ug/l	--
1,2-Dibromo-3-chloropropane	NA	0.2 ug/l		< 0.60 ug/l	--	--	--	< 0.60 ug/l	--
1,2-Dibromoethane	NA	0.05 ug/l	0.004 HRL93 ug/l	< 0.37 ug/l	--	--	--	< 0.37 ug/l	--
1,2-Dichlorobenzene	NA	600 ug/l	600 HRL93 ug/l	< 0.16 ug/l	--	--	--	< 0.16 ug/l	--
1,2-Dichloroethane	NA	5 ug/l	4 HRL93 ug/l	< 0.18 ug/l	--	--	--	< 0.18 ug/l	--
1,2-Dichloroethylene, cis	NA	70 ug/l	50 HRL08 (1) ug/l	< 0.19 ug/l	--	--	--	< 0.19 ug/l	--
1,2-Dichloroethylene, trans	NA	100 ug/l	100 HRL93 ug/l	< 0.29 ug/l	--	--	--	< 0.29 ug/l	--
1,2-Dichloropropane	NA	5 ug/l	5 HRL94 ug/l	< 0.21 ug/l	--	--	--	< 0.21 ug/l	--
1,3,5-Trimethylbenzene	NA		100 HRL08 (1)(2) ug/l	< 0.18 ug/l	--	--	--	< 0.18 ug/l	--
1,3-Dichloro-1-propene trans	NA			< 0.17 ug/l	--	--	--	< 0.17 ug/l	--
1,3-Dichloro-1-propene, cis	NA			< 0.16 ug/l	--	--	--	< 0.16 ug/l	--
1,3-Dichlorobenzene	NA			< 0.21 ug/l	--	--	--	< 0.21 ug/l	--
1,3-Dichloropropane	NA		2 HRL94 ug/l	< 0.15 ug/l	--	--	--	< 0.15 ug/l	--
1,4-Dichlorobenzene	NA	75 ug/l	10 HRL94 ug/l	< 0.17 ug/l	--	--	--	< 0.17 ug/l	--
2,2-Dichloropropane	NA			< 0.58 ug/l	--	--	--	< 0.58 ug/l	--
Acetone	NA		700 HRL93 ug/l	< 2.8 ug/l	--	--	--	< 2.8 ug/l	--
Allyl Chloride	NA		30 HRL94 ug/l	< 0.76 ug/l	--	--	--	< 0.76 ug/l	--
Benzene	NA	5 ug/l	2 HRL08 (1) ug/l	< 0.093 ug/l	--	--	--	< 0.093 ug/l	--

Table 7
SOC 3 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC3-GP2		SOC3-GP2R	SOC3-GP3	SOC3-GP3	SOC3-GP3
			Sample Date	6/9/2009		9/11/2009	6/8/2009	6/9/2009	6/10/2009
Chemical Name	Total or Dissolved	EPA Maximum Contaminant Limit	MN GW Values Table						
Bromobenzene	NA			< 0.17 ug/l	--	--	--	< 0.17 ug/l	--
Bromochloromethane	NA			< 0.21 ug/l	--	--	--	< 0.21 ug/l	--
Bromodichloromethane	NA	80 (2) ug/l	6 HRL93 ug/l	< 0.22 ug/l	--	--	--	< 0.22 ug/l	--
Bromoform	NA	80 (2) ug/l	40 HRL93 ug/l	< 0.50 ug/l	--	--	--	< 0.50 ug/l	--
Bromomethane	NA		10 HRL93 ug/l	< 0.95 ug/l	--	--	--	< 0.95 ug/l	--
Butyl benzene	NA			< 0.32 ug/l	--	--	--	< 0.32 ug/l	--
Butylbenzene sec	NA			< 0.22 ug/l	--	--	--	< 0.22 ug/l	--
Butylbenzene tert-	NA			< 0.19 ug/l	--	--	--	< 0.19 ug/l	--
Carbon tetrachloride	NA	5 ug/l	3 HRL93 ug/l	< 0.16 ug/l	--	--	--	< 0.16 ug/l	--
Chlorobenzene	NA	100 ug/l	100 HRL93 ug/l	< 0.15 ug/l	--	--	--	< 0.15 ug/l	--
Chlorodibromomethane	NA	80 (2) ug/l	10 HRL93 ug/l	< 0.50 ug/l	--	--	--	< 0.50 ug/l	--
Chloroethane	NA			< 0.46 ug/l	--	--	--	< 0.46 ug/l	--
Chloroform	NA	80 (2) ug/l	30 HRL08 (1)(2) ug/l	< 0.19 ug/l	--	--	--	< 0.19 ug/l	--
Chloromethane	NA			< 0.37 ug/l	--	--	--	< 0.37 ug/l	--
Chlorotoluene o-	NA			< 0.17 ug/l	--	--	--	< 0.17 ug/l	--
Chlorotoluene p-	NA			< 0.14 ug/l	--	--	--	< 0.14 ug/l	--
Cumene (isopropyl benzene)	NA		300 HRL93 ug/l	< 0.17 ug/l	--	--	--	< 0.17 ug/l	--
Cymene p- (Toluene isopropyl p-)	NA			< 0.30 ug/l	--	--	--	< 0.30 ug/l	--
Dibromomethane (methylene bromide)	NA			< 0.30 ug/l	--	--	--	< 0.30 ug/l	--
Dichlorodifluoromethane (CFC-12)	NA		700 HBV09 (1) ug/l	< 0.58 ug/l	--	--	--	< 0.58 ug/l	--
Dichlorofluoromethane (CFC-21)	NA			< 0.31 ug/l	--	--	--	< 0.31 ug/l	--
Ethyl benzene	NA	700 ug/l	700 HRL93 ug/l	< 0.21 ug/l	--	--	--	< 0.21 ug/l	--
Ethyl ether	NA		1000 HRL93 ug/l	< 0.53 ug/l	--	--	--	< 0.53 ug/l	--
Hexachlorobutadiene	NA		1 HRL93 ug/l	< 0.76 ug/l	--	--	--	< 0.76 ug/l	--
Methyl ethyl ketone	NA		4000 HRL94 ug/l	< 0.67 ug/l	--	--	--	< 0.67 ug/l	--
Methyl isobutyl ketone	NA		300 HRL94 ug/l	< 1.1 ug/l	--	--	--	< 1.1 ug/l	--
Methyl tertiary butyl ether (MTBE)	NA			< 0.13 ug/l	--	--	--	< 0.13 ug/l	--
Methylene chloride	NA	5 ug/l		< 0.65 ug/l	--	--	--	< 0.65 ug/l	--
Naphthalene	NA		300 HRL94 ug/l	< 0.40 ug/l	--	--	--	< 0.40 ug/l	--
Propylbenzene	NA			< 0.13 ug/l	--	--	--	< 0.13 ug/l	--
Styrene	NA	100 ug/l		< 0.13 ug/l	--	--	--	< 0.13 ug/l	--
Tetrachloroethylene	NA	5 ug/l		< 0.20 ug/l	--	--	--	< 0.20 ug/l	--
Tetrahydrofuran	NA			< 0.77 ug/l	--	--	--	< 0.77 ug/l	--
Toluene	NA	1000 ug/l	1000 HRL93 ug/l	< 0.21 ug/l	--	--	--	< 0.21 ug/l	--
Trichloroethylene	NA	5 ug/l		< 0.20 ug/l	--	--	--	< 0.20 ug/l	--
Trichlorofluoromethane	NA		2000 HRL93 ug/l	< 0.17 ug/l	--	--	--	< 0.17 ug/l	--
Trichlorotrifluoroethane (Freon 113)	NA		200000 HRL93 ug/l	< 0.28 ug/l	--	--	--	< 0.28 ug/l	--
Vinyl chloride	NA	2 ug/l	0.2 HRL08 (1) ug/l	< 0.087 ug/l	--	--	--	< 0.087 ug/l	--
Xylene m & p	NA		10000 HRL93 ug/l	< 0.42 ug/l	--	--	--	< 0.42 ug/l	--
Xylene, o-	NA		10000 HRL93 ug/l	< 0.18 ug/l	--	--	--	< 0.18 ug/l	--
Pesticides									
2,4,5-TP (Silvex)	NA	50 ug/l		< 0.65 ug/l	--	--	--	--	< 0.69 ug/l
2,4,5-Trichlorophenoxyacetic acid	NA		70 HRL93 ug/l	< 0.65 ug/l	--	--	--	--	< 0.69 ug/l
2,4-D	NA	70 ug/l	70 HRL93 ug/l	< 0.65 ug/l	--	--	--	--	< 0.69 ug/l
2,4-DB	NA			< 0.65 ug/l	--	--	--	--	< 0.69 ug/l

Table 7
SOC 3 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC3-GP2		SOC3-GP2R	SOC3-GP3	SOC3-GP3	SOC3-GP3
			Sample Date	6/9/2009		9/11/2009	6/8/2009	6/9/2009	6/10/2009
Chemical Name	Total or Dissolved	EPA Maximum Contaminant Limit	MN GW Values Table						
4,4'-DDD	NA		1 HRL93 ug/l	< 0.034 ug/l	--	--	--	< 0.034 ug/l	--
4,4'-DDE	NA		1 HRL93 ug/l	< 0.034 ug/l	--	--	--	< 0.034 ug/l	--
4,4'-DDT	NA		1 HRL93 ug/l	< 0.039 ug/l	--	--	--	< 0.039 ug/l	--
a-BHC	NA			< 0.042 ug/l	--	--	--	< 0.042 ug/l	--
Acetochlor	NA		9 HRL08 (1) ug/l	< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Alachlor (Lasso)	NA	2 ug/l	5 HRL08 (1) ug/l	< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Aldrin	NA			< 0.036 ug/l	--	--	--	< 0.036 ug/l	--
Atrazine (Primatol)	NA	3 (6) ug/l		0.39 jh ug/l	--	--	--	--	< 0.75 ug/l
b-BHC	NA			< 0.049 ug/l	--	--	--	< 0.049 ug/l	--
Bentazone	NA			< 0.65 ug/l	--	--	--	--	< 0.69 ug/l
Chlordane, cis	NA			< 0.035 ug/l	--	--	--	< 0.035 ug/l	--
Chlorpyrifos (Lorsban)	NA			< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Cyanazine (Bladex)	NA		1 HRL08 (1) ug/l	< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
d-BHC	NA			< 0.043 ug/l	--	--	--	< 0.043 ug/l	--
Deisopropyl atrazine	NA			< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Desethylatrazine	NA			< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Dicamba	NA		200 HRL93 ug/l	< 0.65 ug/l	--	--	--	--	< 0.69 ug/l
Dieldrin	NA		0.006 HRL08 (1) ug/l	< 0.034 ug/l	--	--	--	< 0.034 ug/l	--
Dimethenamid	NA			< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Dinoseb (DNBP)	NA	7 ug/l		< 0.65 ug/l	--	--	--	--	< 0.69 ug/l
Endosulfan I	NA			< 0.037 ug/l	--	--	--	< 0.037 ug/l	--
Endosulfan II	NA			< 0.038 ug/l	--	--	--	< 0.038 ug/l	--
Endosulfan Sulfate	NA			< 0.042 ug/l	--	--	--	< 0.042 ug/l	--
Endrin	NA	2 ug/l		< 0.039 ug/l	--	--	--	< 0.039 ug/l	--
Endrin Aldehyde	NA			< 0.047 ug/l	--	--	--	< 0.047 ug/l	--
Endrin Ketone	NA			< 0.039 ug/l	--	--	--	< 0.039 ug/l	--
EPTC (Eradicane)	NA		200 HRL93 ug/l	< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Ethalfluralin (Sonalan)	NA			< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Fonofos (Dyphonate)	NA			< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
g-BHC (Lindane)	NA	0.2 ug/l		< 0.044 ug/l	--	--	--	< 0.044 ug/l	--
g-Chlordane	NA			< 0.034 ug/l	--	--	--	< 0.034 ug/l	--
Heptachlor	NA	0.4 ug/l	0.08 HRL93 ug/l	< 0.036 ug/l	--	--	--	< 0.036 ug/l	--
Heptachlor Epoxide	NA	0.2 ug/l	0.04 HRL93 ug/l	< 0.038 ug/l	--	--	--	< 0.038 ug/l	--
MCPA	NA		3 HRL93 ug/l	< 0.39 ug/l	--	--	--	--	< 0.42 ug/l
Methoxychlor	NA	40 ug/l		< 0.042 ug/l	--	--	--	< 0.042 ug/l	--
Metolachlor (Dual)	NA		300 HBV09 (1) ug/l	< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Metribuzin	NA			< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Pendimethalin (Prowl)	NA			< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Pentachlorophenol	NA	1 ug/l		< 0.65 ug/l	--	--	--	--	< 0.69 ug/l
Phorate (Thimet)	NA			< 1.3 h** ug/l	--	--	--	--	< 1.5 ** ug/l
Picloram	NA	500 ug/l	500 HRL93 ug/l	< 0.65 ug/l	--	--	--	--	< 0.69 ug/l
Prometon (Pramitol)	NA		100 HRL93 ug/l	< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Propachlor	NA			< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Propazine (Milogard)	NA			< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Simazine (Princep)	NA	4 ug/l		< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l

Table 7
SOC 3 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC3-GP2		SOC3-GP2R	SOC3-GP3	SOC3-GP3	SOC3-GP3
			Sample Date	6/9/2009		9/11/2009	6/8/2009	6/9/2009	6/10/2009
Chemical Name	Total or Dissolved	EPA Maximum Contaminant Limit	MN GW Values Table						
Terbufos (Counter)	NA			< 1.3 h* ug/l	--	--	--	--	< 1.5 * ug/l
Toxaphene	NA	3 ug/l	0.3 HRL93 ug/l	< 0.18 ug/l	--	--	--	< 0.18 ug/l	--
Triallate (Far-Go)	NA			< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Triclopyr	NA			< 0.65 ug/l	--	--	--	--	< 0.69 ug/l
Trifluralin (Treflan)	NA			< 0.65 h ug/l	--	--	--	--	< 0.75 ug/l
Explosives									
Nitrocellulose	NA			--	--	--	--	< 0.50 mg/l	--

Table 7
SOC 3 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC3-GP3R	SOC3-GP4	WSW-207605	WSW-207605
			Sample Date	9/11/2009	6/9/2009	6/11/2009	6/18/2009
Chemical Name	Total or Dissolved	EPA Maximum Contaminant Limit	MN GW Values Table				
Effective Date		5/1/2009	6/2/2009				
Exceedance Key		**Bold**	No Exceedance				
General Parameters							
Nitrate + Nitrite	NA	**10 mg/l**		--	--	1.75 mg/l	--
Nitrogen total kjeldahl	NA			--	--	0.60 mg/l	--
Perchlorate	NA			--	--	< 40.0 ug/l	--
Metals							
Antimony	Total	6 ug/l	6 HRL93 ug/l	--	--	< 0.50 ug/l	--
Antimony	Dissolved	6 ug/l	6 HRL93 ug/l	0.23 j ug/l	--	--	--
Arsenic	Total	10 ug/l		--	--	< 10 ug/l	--
Arsenic	Dissolved	10 ug/l		<10 ug/l	--	--	--
Beryllium	Total	4 ug/l	0.08 HRL93 ug/l	--	--	< 0.50 * ug/l	--
Beryllium	Dissolved	4 ug/l	0.08 HRL93 ug/l	<0.027 ug/l	--	--	--
Cadmium	Total	5 ug/l	4 HRL93 ug/l	--	--	< 1.0 ug/l	--
Cadmium	Dissolved	5 ug/l	4 HRL93 ug/l	<1.0 ug/l	--	--	--
Chromium	Total	100 ug/l	100 CR ug/l	--	--	< 10 ug/l	--
Chromium	Dissolved	100 ug/l	100 CR ug/l	<10 ug/l	--	--	--
Copper	Total	1300 TT (7) ug/l		--	--	< 20 ug/l	--
Copper	Dissolved	1300 TT (7) ug/l		<20 ug/l	--	--	--
Lead	Total	15 TT(7) ug/l		--	--	6.4 ug/l	--
Lead	Dissolved	15 TT(7) ug/l		<3.0 ug/l	--	--	--
Mercury	Total	2 ug/l		--	--	< 0.20 ug/l	--
Mercury	Dissolved	2 ug/l		< 0.20 ug/l	--	--	--
Nickel	Total		100 HRL93 ug/l	--	--	< 5.0 ug/l	--
Nickel	Dissolved		100 HRL93 ug/l	<5.0 ug/l	--	--	--
Selenium	Total	50 ug/l	30 HRL93 ug/l	--	--	< 20 ug/l	--
Selenium	Dissolved	50 ug/l	30 HRL93 ug/l	<20 ug/l	--	--	--
Silver	Total		30 HRL93 ug/l	--	--	11 * ug/l	--
Silver	Dissolved		30 HRL93 ug/l	<5.0 ug/l	--	--	--
Thallium	Total	2 ug/l	0.6 HRL94 ug/l	--	--	< 0.50 ug/l	--
Thallium	Dissolved	2 ug/l	0.6 HRL94 ug/l	<0.0081 ug/l	--	--	--
Zinc	Total		2000 HRL94 ug/l	--	--	130 * ug/l	--
Zinc	Dissolved		2000 HRL94 ug/l	<20 ug/l	--	--	--
SVOCs							
1,2,4-Trichlorobenzene	NA	70 ug/l		--	--	--	< 0.18 ug/l
1,2-Dichlorobenzene	NA	600 ug/l	600 HRL93 ug/l	--	--	--	< 0.21 ug/l
1,3-Dichlorobenzene	NA			--	--	--	< 0.19 ug/l
1,4-Dichlorobenzene	NA	75 ug/l	10 HRL94 ug/l	--	--	--	< 0.20 ug/l
2,3,4,6-Tetrachlorophenol	NA			--	--	--	< 0.56 ug/l
2,4,5-Trichlorophenol	NA			--	--	--	< 0.74 ug/l
2,4,6-Trichlorophenol	NA		30 HRL93 ug/l	--	--	--	< 0.44 ug/l
2,4-Dichlorophenol	NA		20 HRL93 ug/l	--	--	--	< 0.44 ug/l
2,4-Dimethylphenol	NA		100 HRL93 ug/l	--	--	--	< 1.5 ug/l
2,4-Dinitrophenol	NA		10 HRL94 ug/l	--	--	--	< 0.93 ug/l
2,4-Dinitrotoluene	NA			--	--	--	< 0.31 ug/l

Table 7
SOC 3 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC3-GP3R	SOC3-GP4	WSW-207605	WSW-207605
			Sample Date	9/11/2009	6/9/2009	6/11/2009	6/18/2009
Chemical Name	Total or Dissolved	EPA Maximum Contaminant Limit	MN GW Values Table				
2,6-Dichlorophenol	NA			--	--	--	< 0.44 ug/l
2,6-Dinitrotoluene	NA			--	--	--	< 0.33 ug/l
2-Chloronaphthalene	NA			--	--	--	< 0.26 ug/l
2-Chlorophenol	NA		30 HRL93 ug/l	--	--	--	< 0.42 ug/l
2-Methyl-4,6-dinitrophenol	NA			--	--	--	< 0.60 ug/l
2-Methylnaphthalene	NA			--	--	--	< 0.61 ug/l
2-Nitroaniline	NA			--	--	--	< 0.67 ug/l
2-Nitrophenol	NA			--	--	--	< 0.83 ug/l
3,3`-Dichlorobenzidine	NA		0.8 HRL93 ug/l	--	--	--	< 6.8 ug/l
3-Nitroaniline	NA			--	--	--	< 1.1 ug/l
4-Bromophenyl phenyl ether	NA			--	--	--	< 0.16 ug/l
4-Chloro-3-methylphenol	NA			--	--	--	< 0.51 ug/l
4-Chloroaniline	NA			--	--	--	< 2.1 ug/l
4-Chlorophenyl phenyl ether	NA			--	--	--	< 0.23 ug/l
4-Nitroaniline	NA			--	--	--	< 0.55 ug/l
4-Nitrophenol	NA			--	--	--	< 1.1 ug/l
Acenaphthene	NA		400 HRL93 ug/l	--	--	--	< 0.33 ug/l
Acenaphthylene	NA			--	--	--	< 0.23 ug/l
Aniline	NA			--	--	--	< 2.0 ug/l
Anthracene	NA		2000 HRL93 ug/l	--	--	--	< 0.34 ug/l
Azobenzene	NA			--	--	--	< 0.22 ug/l
Benzidine	NA			--	--	--	< 17 ug/l
Benzo(a)anthracene	NA			--	--	--	< 0.34 ug/l
Benzo(a)pyrene	NA	0.2 ug/l		--	--	--	< 0.27 ug/l
Benzo(b)fluoranthene	NA			--	--	--	< 0.20 ug/l
Benzo(g,h,i)perylene	NA			--	--	--	< 0.24 ug/l
Benzo(k)fluoranthene	NA			--	--	--	< 0.29 ug/l
Benzoic Acid	NA		30000 HRL93 ug/l	--	--	--	< 1.1 ug/l
Benzyl alcohol	NA			--	--	--	< 0.50 ug/l
Bis(2-chloroethoxy)methane	NA			--	--	--	< 0.17 ug/l
Bis(2-chloroethyl)ether	NA		0.3 HRL93 ug/l	--	--	--	< 0.16 ug/l
Bis(2-chloroisopropyl)ether	NA			--	--	--	< 0.18 ug/l
Bis(2-ethylhexyl)phthalate	NA	6 ug/l		--	--	--	< 0.40 ug/l
Butyl benzyl phthalate	NA		100 HRL93 ug/l	--	--	--	< 0.34 ug/l
Carbazole	NA			--	--	--	< 0.24 ug/l
Chrysene	NA			--	--	--	< 0.25 ug/l
Dibenz(a,h)anthracene	NA			--	--	--	< 0.21 ug/l
Dibenzofuran	NA			--	--	--	< 0.36 ug/l
Diethyl phthalate	NA		6000 HRL93 ug/l	--	--	--	< 0.21 ug/l
Dimethyl phthalate	NA		70000 HRL94 ug/l	--	--	--	< 0.22 ug/l
Di-n-butyl phthalate	NA		700 HRL93 ug/l	--	--	--	< 0.26 ug/l
Di-n-octyl phthalate	NA			--	--	--	< 0.35 ug/l
Fluoranthene	NA		300 HRL93 ug/l	--	--	--	< 0.36 ug/l
Fluorene	NA		300 HRL93 ug/l	--	--	--	< 0.37 ug/l
Hexachlorobenzene	NA	1 ug/l	0.2 HRL93 ug/l	--	--	--	< 0.19 ug/l

Table 7
SOC 3 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC3-GP3R	SOC3-GP4	WSW-207605	WSW-207605
			Sample Date	9/11/2009	6/9/2009	6/11/2009	6/18/2009
Chemical Name	Total or Dissolved	EPA Maximum Contaminant Limit	MN GW Values Table				
Hexachlorobutadiene	NA		1 HRL93 ug/l	--	--	--	< 0.24 ug/l
Hexachlorocyclopentadiene	NA	50 ug/l		--	--	--	< 0.29 ug/l
Hexachloroethane	NA			--	--	--	< 0.29 ug/l
Indeno(1,2,3-cd)pyrene	NA			--	--	--	< 0.29 ug/l
Isophorone	NA		100 HRL93 ug/l	--	--	--	< 0.21 ug/l
Naphthalene	NA		300 HRL94 ug/l	--	--	--	< 0.34 ug/l
Nitrobenzene	NA			--	--	--	< 0.36 ug/l
N-Nitrosodimethylamine	NA			--	--	--	< 0.88 ug/l
N-Nitrosodi-n-propylamine	NA			--	--	--	< 0.19 ug/l
N-Nitrosodiphenylamine	NA		70 HRL93 ug/l	--	--	--	< 0.21 ug/l
o-Cresol	NA		30 HRL93 ug/l	--	--	--	< 0.58 ug/l
p-Cresol	NA		3 HRL94 ug/l	--	--	--	< 0.73 ug/l
Pentachlorophenol	NA	1 ug/l		--	--	--	< 0.55 ug/l
Phenanthrene	NA			--	--	--	< 0.36 ug/l
Phenol	NA		4000 HRL93 ug/l	--	--	--	< 0.53 ug/l
Pyrene	NA		200 HRL93 ug/l	--	--	--	< 0.44 ug/l
VOCs							
1,1,1,2-Tetrachloroethane	NA		70 HRL93 ug/l	--	< 0.28 ug/l	< 0.28 ug/l	--
1,1,1-Trichloroethane	NA	200 ug/l	9000 HRL08 (1) ug/l	--	< 0.17 ug/l	< 0.17 ug/l	--
1,1,2,2-Tetrachloroethane	NA		2 HRL94 ug/l	--	< 0.13 ug/l	< 0.13 ug/l	--
1,1,2-Trichloroethane	NA	5 ug/l	3 HRL93 ug/l	--	< 0.19 ug/l	< 0.19 ug/l	--
1,1-Dichloro-1-propene	NA			--	< 0.15 ug/l	< 0.15 ug/l	--
1,1-Dichloroethane	NA		100 RAA ug/l	--	< 0.11 ug/l	< 0.11 ug/l	--
1,1-Dichloroethylene	NA	7 ug/l	200 HBV09 ug/l	--	< 0.12 ug/l	< 0.12 ug/l	--
1,2,3-Trichlorobenzene	NA			--	< 0.47 ug/l	< 0.47 ug/l	--
1,2,3-Trichloropropane	NA		40 HRL93 ug/l	--	< 0.24 ug/l	< 0.24 ug/l	--
1,2,4-Trichlorobenzene	NA	70 ug/l		--	< 0.32 ug/l	< 0.32 ug/l	--
1,2,4-Trimethylbenzene	NA			--	< 0.17 ug/l	< 0.17 ug/l	--
1,2-Dibromo-3-chloropropane	NA	0.2 ug/l		--	< 0.60 ug/l	< 0.60 ug/l	--
1,2-Dibromoethane	NA	0.05 ug/l	0.004 HRL93 ug/l	--	< 0.37 ug/l	< 0.37 ug/l	--
1,2-Dichlorobenzene	NA	600 ug/l	600 HRL93 ug/l	--	< 0.16 ug/l	< 0.16 ug/l	--
1,2-Dichloroethane	NA	5 ug/l	4 HRL93 ug/l	--	< 0.18 ug/l	< 0.18 ug/l	--
1,2-Dichloroethylene, cis	NA	70 ug/l	50 HRL08 (1) ug/l	--	< 0.19 ug/l	< 0.19 ug/l	--
1,2-Dichloroethylene, trans	NA	100 ug/l	100 HRL93 ug/l	--	< 0.29 ug/l	< 0.29 ug/l	--
1,2-Dichloropropane	NA	5 ug/l	5 HRL94 ug/l	--	< 0.21 ug/l	< 0.21 ug/l	--
1,3,5-Trimethylbenzene	NA		100 HRL08 (1)(2) ug/l	--	< 0.18 ug/l	< 0.18 ug/l	--
1,3-Dichloro-1-propene trans	NA			--	< 0.17 ug/l	< 0.17 ug/l	--
1,3-Dichloro-1-propene, cis	NA			--	< 0.16 ug/l	< 0.16 ug/l	--
1,3-Dichlorobenzene	NA			--	< 0.21 ug/l	< 0.21 ug/l	--
1,3-Dichloropropane	NA		2 HRL94 ug/l	--	< 0.15 ug/l	< 0.15 ug/l	--
1,4-Dichlorobenzene	NA	75 ug/l	10 HRL94 ug/l	--	< 0.17 ug/l	< 0.17 ug/l	--
2,2-Dichloropropane	NA			--	< 0.58 ug/l	< 0.58 ug/l	--
Acetone	NA		700 HRL93 ug/l	--	< 2.8 ug/l	< 2.8 ug/l	--
Allyl Chloride	NA		30 HRL94 ug/l	--	< 0.76 ug/l	< 0.76 ug/l	--
Benzene	NA	5 ug/l	2 HRL08 (1) ug/l	--	< 0.093 ug/l	< 0.093 ug/l	--

Table 7
SOC 3 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC3-GP3R	SOC3-GP4	WSW-207605	WSW-207605
			Sample Date	9/11/2009	6/9/2009	6/11/2009	6/18/2009
Chemical Name	Total or Dissolved	EPA Maximum Contaminant Limit	MN GW Values Table				
Bromobenzene	NA			--	< 0.17 ug/l	< 0.17 ug/l	--
Bromochloromethane	NA			--	< 0.21 ug/l	< 0.21 ug/l	--
Bromodichloromethane	NA	80 (2) ug/l	6 HRL93 ug/l	--	< 0.22 ug/l	< 0.22 ug/l	--
Bromoform	NA	80 (2) ug/l	40 HRL93 ug/l	--	< 0.50 ug/l	< 0.50 ug/l	--
Bromomethane	NA		10 HRL93 ug/l	--	< 0.95 ug/l	< 0.95 ug/l	--
Butyl benzene	NA			--	< 0.32 ug/l	< 0.32 ug/l	--
Butylbenzene sec	NA			--	< 0.22 ug/l	< 0.22 ug/l	--
Butylbenzene tert-	NA			--	< 0.19 ug/l	< 0.19 ug/l	--
Carbon tetrachloride	NA	5 ug/l	3 HRL93 ug/l	--	< 0.16 ug/l	< 0.16 ug/l	--
Chlorobenzene	NA	100 ug/l	100 HRL93 ug/l	--	< 0.15 ug/l	< 0.15 ug/l	--
Chlorodibromomethane	NA	80 (2) ug/l	10 HRL93 ug/l	--	< 0.50 ug/l	< 0.50 ug/l	--
Chloroethane	NA			--	< 0.46 ug/l	< 0.46 ug/l	--
Chloroform	NA	80 (2) ug/l	30 HRL08 (1)(2) ug/l	--	< 0.19 ug/l	< 0.19 ug/l	--
Chloromethane	NA			--	< 0.37 ug/l	< 0.37 ug/l	--
Chlorotoluene o-	NA			--	< 0.17 ug/l	< 0.17 ug/l	--
Chlorotoluene p-	NA			--	< 0.14 ug/l	< 0.14 ug/l	--
Cumene (isopropyl benzene)	NA		300 HRL93 ug/l	--	< 0.17 ug/l	< 0.17 ug/l	--
Cymene p- (Toluene isopropyl p-)	NA			--	< 0.30 ug/l	< 0.30 ug/l	--
Dibromomethane (methylene bromide)	NA			--	< 0.30 ug/l	< 0.30 ug/l	--
Dichlorodifluoromethane (CFC-12)	NA		700 HBV09 (1) ug/l	--	< 0.58 ug/l	< 0.58 ug/l	--
Dichlorofluoromethane (CFC-21)	NA			--	< 0.31 ug/l	< 0.31 ug/l	--
Ethyl benzene	NA	700 ug/l	700 HRL93 ug/l	--	< 0.21 ug/l	< 0.21 ug/l	--
Ethyl ether	NA		1000 HRL93 ug/l	--	< 0.53 ug/l	< 0.53 ug/l	--
Hexachlorobutadiene	NA		1 HRL93 ug/l	--	< 0.76 ug/l	< 0.76 ug/l	--
Methyl ethyl ketone	NA		4000 HRL94 ug/l	--	< 0.67 ug/l	< 0.67 ug/l	--
Methyl isobutyl ketone	NA		300 HRL94 ug/l	--	< 1.1 ug/l	< 1.1 ug/l	--
Methyl tertiary butyl ether (MTBE)	NA			--	< 0.13 ug/l	< 0.13 ug/l	--
Methylene chloride	NA	5 ug/l		--	< 0.65 ug/l	< 0.65 ug/l	--
Naphthalene	NA		300 HRL94 ug/l	--	< 0.40 ug/l	< 0.40 ug/l	--
Propylbenzene	NA			--	< 0.13 ug/l	< 0.13 ug/l	--
Styrene	NA	100 ug/l		--	< 0.13 ug/l	< 0.13 ug/l	--
Tetrachloroethylene	NA	5 ug/l		--	< 0.20 ug/l	< 0.20 ug/l	--
Tetrahydrofuran	NA			--	< 0.77 ug/l	< 0.77 ug/l	--
Toluene	NA	1000 ug/l	1000 HRL93 ug/l	--	< 0.21 ug/l	< 0.21 ug/l	--
Trichloroethylene	NA	5 ug/l		--	< 0.20 ug/l	< 0.20 ug/l	--
Trichlorofluoromethane	NA		2000 HRL93 ug/l	--	< 0.17 ug/l	< 0.17 ug/l	--
Trichlorotrifluoroethane (Freon 113)	NA		200000 HRL93 ug/l	--	< 0.28 ug/l	< 0.28 ug/l	--
Vinyl chloride	NA	2 ug/l	0.2 HRL08 (1) ug/l	--	< 0.087 ug/l	< 0.087 ug/l	--
Xylene m & p	NA		10000 HRL93 ug/l	--	< 0.42 ug/l	< 0.42 ug/l	--
Xylene, o-	NA		10000 HRL93 ug/l	--	< 0.18 ug/l	< 0.18 ug/l	--
Pesticides							
2,4,5-TP (Silvex)	NA	50 ug/l		--	--	< 0.50 * ug/l	--
2,4,5-Trichlorophenoxyacetic acid	NA		70 HRL93 ug/l	--	--	< 0.50 * ug/l	--
2,4-D	NA	70 ug/l	70 HRL93 ug/l	--	--	< 0.50 * ug/l	--
2,4-DB	NA			--	--	< 0.50 * ug/l	--

Table 7
SOC 3 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC3-GP3R	SOC3-GP4	WSW-207605	WSW-207605
			Sample Date	9/11/2009	6/9/2009	6/11/2009	6/18/2009
Chemical Name	Total or Dissolved	EPA Maximum Contaminant Limit	MN GW Values Table				
4,4'-DDD	NA		1 HRL93 ug/l	--	--	--	< 0.034 ug/l
4,4'-DDE	NA		1 HRL93 ug/l	--	--	--	< 0.034 ug/l
4,4'-DDT	NA		1 HRL93 ug/l	--	--	--	< 0.039 ug/l
a-BHC	NA			--	--	--	< 0.042 ug/l
Acetochlor	NA		9 HRL08 (1) ug/l	--	--	< 0.50 * ug/l	--
Alachlor (Lasso)	NA	2 ug/l	5 HRL08 (1) ug/l	--	--	< 0.50 * ug/l	--
Aldrin	NA			--	--	--	< 0.036 ug/l
Atrazine (Primatol)	NA	3 (6) ug/l		--	--	< 0.50 * ug/l	--
b-BHC	NA			--	--	--	< 0.049 ug/l
Bentazone	NA			--	--	< 0.50 * ug/l	--
Chlordane, cis	NA			--	--	--	< 0.035 ug/l
Chlorpyrifos (Lorsban)	NA			--	--	< 0.50 * ug/l	--
Cyanazine (Bladex)	NA		1 HRL08 (1) ug/l	--	--	< 0.50 * ug/l	--
d-BHC	NA			--	--	--	< 0.043 ug/l
Deisopropyl atrazine	NA			--	--	< 0.50 * ug/l	--
Desethylatrazine	NA			--	--	< 0.50 * ug/l	--
Dicamba	NA		200 HRL93 ug/l	--	--	< 0.50 * ug/l	--
Dieldrin	NA		0.006 HRL08 (1) ug/l	--	--	--	< 0.034 ug/l
Dimethenamid	NA			--	--	< 0.50 * ug/l	--
Dinoseb (DNBP)	NA	7 ug/l		--	--	< 0.50 ug/l	--
Endosulfan I	NA			--	--	--	< 0.037 ug/l
Endosulfan II	NA			--	--	--	< 0.038 ug/l
Endosulfan Sulfate	NA			--	--	--	< 0.042 ug/l
Endrin	NA	2 ug/l		--	--	--	< 0.039 ug/l
Endrin Aldehyde	NA			--	--	--	< 0.047 ug/l
Endrin Ketone	NA			--	--	--	< 0.039 ug/l
EPTC (Eradicane)	NA		200 HRL93 ug/l	--	--	< 0.50 * ug/l	--
Ethalfluralin (Sonalan)	NA			--	--	< 0.50 * ug/l	--
Fonofos (Dyphonate)	NA			--	--	< 0.50 * ug/l	--
g-BHC (Lindane)	NA	0.2 ug/l		--	--	--	< 0.044 ug/l
g-Chlordane	NA			--	--	--	< 0.034 ug/l
Heptachlor	NA	0.4 ug/l	0.08 HRL93 ug/l	--	--	--	< 0.036 ug/l
Heptachlor Epoxide	NA	0.2 ug/l	0.04 HRL93 ug/l	--	--	--	< 0.038 ug/l
MCPA	NA		3 HRL93 ug/l	--	--	< 0.30 * ug/l	--
Methoxychlor	NA	40 ug/l		--	--	--	< 0.042 ug/l
Metolachlor (Dual)	NA		300 HBV09 (1) ug/l	--	--	< 0.50 * ug/l	--
Metribuzin	NA			--	--	< 0.50 * ug/l	--
Pendimethalin (Prowl)	NA			--	--	< 0.50 * ug/l	--
Pentachlorophenol	NA	1 ug/l		--	--	< 0.50 ug/l	--
Phorate (Thimet)	NA			--	--	< 1.0 ** ug/l	--
Picloram	NA	500 ug/l	500 HRL93 ug/l	--	--	< 0.50 * ug/l	--
Prometon (Pramitol)	NA		100 HRL93 ug/l	--	--	< 0.50 * ug/l	--
Propachlor	NA			--	--	< 0.50 * ug/l	--
Propazine (Milogard)	NA			--	--	< 0.50 * ug/l	--
Simazine (Princep)	NA	4 ug/l		--	--	< 0.50 * ug/l	--

Table 7
SOC 3 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC3-GP3R	SOC3-GP4	WSW-207605	WSW-207605
			Sample Date	9/11/2009	6/9/2009	6/11/2009	6/18/2009
Chemical Name	Total or Dissolved	EPA Maximum Contaminant Limit	MN GW Values Table				
Terbufos (Counter)	NA			--	--	< 1.0 * ug/l	--
Toxaphene	NA	3 ug/l	0.3 HRL93 ug/l	--	--	--	< 0.18 ug/l
Triallate (Far-Go)	NA			--	--	< 0.50 * ug/l	--
Triclopyr	NA			--	--	< 0.50 * ug/l	--
Trifluralin (Treflan)	NA			--	--	< 0.50 * ug/l	--
Explosives							
Nitrocellulose	NA			--	--	< 0.50 mg/l	--

Data Qualifiers/Footnotes - Groundwater	
Qualifier	**Definition**
--	Not analyzed/not available.
a	Estimated value, calculated using some or all values that are estimates.
b	Potential false positive value based on blank data validation procedures.
c	Coeluting compound.
e	Estimated value, exceeded the instrument calibration range.
h	EPA recommended sample preservation, extraction or analysis holding time was exceeded.
I	Indeterminate value based on failure of blind duplicate data to meet quality assurance criteria.
j	Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.
p	Relative percent difference is >40% (25% CLP pesticides) between primary and confirmation GC columns.
r	The presence of the compound is suspect based on the ID criteria of the retention time and relative retention time obtained from the examination of the chromatograms.
*	Estimated value, QA/QC criteria not met.
**	Unusable value, QA/QC criteria not met.
NA	NA indicates that a fractional portion of the sample is not part of the analytical testing or field collection procedures.
ND	Not detected.

Criteria Footnotes - Groundwater

	Qualifier	Definition
EPA Maximum Contaminant Level	(1)	When acrylamide is used in drinking water systems, the combination (or product) of dose and monomer level shall not exceed that equivalent to a polyacrylamide polymer containing 0.05% monomer dosed at 1 mg/L.
	(14)	Millirems per years.
	(15)	Picocuries per liter.
	(2)	1998 Final Rule for Disinfectants and Disinfection By-products: The total for trihalomethanes is 0.08 mg/L.
	(3)	The MCL value for any combination of two or more of these three chemicals (Aldicarb, Aldicarb sulfone, Aldicarb sulfoxide) should not exceed 0.007 mg/L because of similar mode of action.
	(5)	No more than 5.0% samples total coliform-positive in a month. Every sample that has total coliforms must be analyzed for fecal coliforms; no fecal coliforms are allowed.
	(6)	Under review.
	(7)	Copper action level at 1.3 mg/L, Lead action level at 0.015 mg/L
	(8)	Proposed 7/2001 arsenic rule states that the Jan. 2001 MCL of 10 ppb will not be enforced until 2006, and is still being evaluated at 3,5,10,20 ppb.
	TT	Treatment technique.
MN GW Values Table	(1)	Value is representative of the most conservative exposure duration published in the Minnesota Department of Health Groundwater Values Table.
	(2)	Set at short term HRL.
	HBV	Health Based Value.
	HRL	Health Risk Limit.
	RAA	Risk Assessment Advice.
	CR	Value represents the criteria for Chromium, hexavalent.

Table 8
SOC 6 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC6GP5 1-2	SOC6GP6 2-4	SOC6GP7 0-4	SOC6GP8 2-4	
		Sample Date	6/4/2009	6/3/2009	6/3/2009	6/4/2009	
Chemical Name	MN Tier I SLV	MN Tier I SRV					
Effective Date	06/27/2005	06/22/2009					
Exceedance Key	No Exceedance	No Exceedance					
Pesticides							
2,4,5-TP (Silvex)			< 0.061 mg/kg	< 0.057 h mg/kg	< 0.056 h mg/kg	< 0.076 mg/kg	< 0.068 mg/kg
2,4,5-Trichlorophenoxyacetic acid		290 mg/kg	< 0.061 mg/kg	< 0.057 h mg/kg	< 0.056 h mg/kg	< 0.076 mg/kg	< 0.068 mg/kg
2,4-D		285 mg/kg	< 0.061 mg/kg	< 0.057 h mg/kg	< 0.056 h mg/kg	< 0.076 mg/kg	< 0.068 mg/kg
2,4-DB		226 mg/kg	< 0.061 mg/kg	< 0.057 h mg/kg	< 0.056 h mg/kg	< 0.076 mg/kg	< 0.068 mg/kg
4,4'-DDD		56 mg/kg	< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
4,4'-DDE		40 mg/kg	< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
4,4'-DDT		15 mg/kg	< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
a-BHC		2 mg/kg	< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Acetochlor			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Alachlor (Lasso)			0.27 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Aldrin		1 mg/kg	< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Atrazine (Primatol)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
b-BHC		7 mg/kg	< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Bentazone			< 0.061 mg/kg	< 0.057 h mg/kg	< 0.056 h mg/kg	< 0.076 mg/kg	< 0.068 mg/kg
Chlordane, cis			< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Chlorpyrifos (Lorsban)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Cyanazine (Bladex)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
d-BHC			< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Deisopropyl atrazine			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Desethylatrazine			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Dicamba			< 0.061 mg/kg	< 0.057 h mg/kg	< 0.056 h mg/kg	< 0.076 mg/kg	< 0.068 mg/kg
Dieldrin		0.8 mg/kg	< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Dimethenamid			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Dinoseb (DNBP)			< 0.061 mg/kg	< 0.057 h mg/kg	< 0.056 h mg/kg	< 0.076 mg/kg	< 0.068 mg/kg
Endosulfan I			< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Endosulfan II			< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Endosulfan Sulfate			< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Endrin		8 mg/kg	< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Endrin Aldehyde			< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Endrin Ketone			< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
EPTC (Eradicane)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Ethalfluralin (Sonalan)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Fonofos (Dyphonate)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
g-BHC (Lindane)		9 mg/kg	< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
g-Chlordane			< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Heptachlor		2 mg/kg	< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Heptachlor Epoxide		0.4 mg/kg	< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
MCPA		16 mg/kg	< 0.061 mg/kg	< 0.057 h mg/kg	< 0.056 h mg/kg	< 0.076 mg/kg	< 0.068 mg/kg
Methoxychlor		11 mg/kg	< 0.050 mg/kg	< 0.045 mg/kg	< 0.045 mg/kg	< 0.052 mg/kg	< 0.051 mg/kg
Metolachlor (Dual)		435 mg/kg	0.50 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	0.0077 j mg/kg
Metribuzin (Sencor, Lexone)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Pendimethalin (Prowl)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.061 mg/kg	< 0.057 h mg/kg	< 0.056 h mg/kg	< 0.076 mg/kg	< 0.068 mg/kg

Table 8
SOC 6 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC6GP5 1-2	SOC6GP6 2-4	SOC6GP7 0-4	SOC6GP8 2-4	
		Sample Date	6/4/2009	6/3/2009	6/3/2009	6/4/2009	
Chemical Name	MN Tier I SLV	MN Tier I SRV					
Phorate (Thimet)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Picloram		2000 mg/kg	< 0.061 * mg/kg	< 0.057 h* mg/kg	< 0.056 h* mg/kg	< 0.076 * mg/kg	< 0.068 * mg/kg
Prometon (Pramitol)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Propachlor (Ramrod)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Propazine (Milogard)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Simazine (Princep)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Terbufos (Counter)		0.6 mg/kg	< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Toxaphene		13 mg/kg	< 0.10 mg/kg	< 0.091 mg/kg	< 0.090 mg/kg	< 0.10 mg/kg	< 0.10 mg/kg
Triallate (Far-Go)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg
Triclopyr			< 0.061 mg/kg	< 0.057 h mg/kg	< 0.056 h mg/kg	< 0.076 mg/kg	< 0.068 mg/kg
Trifluralin (Treflan)			< 0.072 mg/kg	< 0.066 mg/kg	< 0.067 mg/kg	< 0.076 mg/kg	< 0.077 mg/kg

Data Qualifiers/Footnotes	
Qualifier	**Definition**
--	Not analyzed/not available.
a	Estimated value, calculated using some or all values that are estimates.
b	Potential false positive value based on blank data validation procedures.
c	Coeluting compound.
e	Estimated value, exceeded the instrument calibration range.
h	EPA recommended sample preservation, extraction or analysis holding time was exceeded.
I	Indeterminate value based on failure of blind duplicate data to meet quality assurance criteria.
j	Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.
p	Relative percent difference is >40% (25% CLP pesticides) between primary and confirmation GC columns.
r	The presence of the compound is suspect based on the ID criteria of the retention time and relative retention time obtained from the examination of the chromatograms.
*	Estimated value, QA/QC criteria not met.
**	Unusable value, QA/QC criteria not met.
ND	Not detected.

Data Qualifiers / Footnotes

	Qualifier	Definition
MN Tier I SLV	DI	Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
	M	Value represents the criteria for mixed Xylenes.
	MC	Mercury as Mercuric Chloride.
	NA	Not Applicable.
	T	Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Chrysene and Indeno(1,2.3-cd)pyrene.
MN Tier I SRV	DI	Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
	M	Value represents the criteria for mixed Xylenes.
	T	Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Chrysene and Indeno(1,2.3-cd)pyrene.

Table 9
SOC 6 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	MW-D3-007	MW-E2-009	MW-E2-012		MW-E2-305
			Sample Date	09/29/2009	09/30/2009	10/02/2009		09/29/2009
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table						
Effective Date	05/01/2009	06/02/2009						
Exceedance Key	No Exceedance	No Exceedance						
General Parameters								
Nitrate + Nitrite	10 mg/l			--	--	--	--	--
Nitrogen total kjeldahl				--	--	--	--	--
Metals								
Antimony	6 ug/l			2.4 b ug/l	0.69 b ug/l	< 0.046 ug/l	0.078 jb ug/l	0.60 b ug/l
Arsenic	10 ug/l			< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Beryllium	4 ug/l			< 0.027 ug/l	< 0.027 ug/l	< 0.027 ug/l	< 0.027 ug/l	< 0.027 ug/l
Cadmium	5 ug/l			< 1.0 ug/l	< 1.0 ug/l	< 1.0 ug/l	< 1.0 ug/l	< 1.0 ug/l
Chromium	100 ug/l			< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l	< 10 ug/l
Copper	1300 TT (7) ug/l			< 20 ug/l	< 20 ug/l	< 20 ug/l	< 20 ug/l	< 20 ug/l
Lead	15 TT(7) ug/l			< 3.0 ug/l	< 3.0 ug/l	< 3.0 ug/l	< 3.0 ug/l	< 3.0 ug/l
Mercury	2 ug/l			< 0.20 ug/l	< 0.20 ug/l	< 0.20 ug/l	< 0.20 ug/l	< 0.20 ug/l
Nickel				< 5.0 ug/l	< 5.0 ug/l	< 5.0 ug/l	< 5.0 ug/l	< 5.0 ug/l
Selenium	50 ug/l			< 20 ug/l	< 20 ug/l	< 20 ug/l	< 20 ug/l	< 20 ug/l
Silver				< 5.0 ug/l	< 5.0 ug/l	< 5.0 ug/l	< 5.0 ug/l	< 5.0 ug/l
Thallium	2 ug/l			< 0.0081 ug/l	< 0.0081 ug/l	< 0.0081 ug/l	< 0.0081 ug/l	< 0.0081 ug/l
Zinc				23 ug/l	< 20 ug/l	< 20 ug/l	< 20 ug/l	170 ug/l
Pesticides								
2,4,5-TP (Silvex)	50 ug/l			<0.56 ug/l	<0.50 ug/l	<0.50 ug/l	<0.50 ug/l	<0.54 ug/l
2,4,5-Trichlorophenoxyacetic acid				<0.56 ug/l	<0.50 ug/l	<0.50 ug/l	<0.50 ug/l	<0.54 ug/l
2,4-D	70 ug/l			<0.56 ug/l	<0.50 ug/l	<0.50 ug/l	<0.50 ug/l	<0.54 ug/l
2,4-DB		60 ug/l		<0.56 ug/l	<0.50 ug/l	<0.50 ug/l	<0.50 ug/l	<0.54 ug/l
4,4'-DDD				<0.016 ug/l	<0.016 ug/l	<0.016 ug/l	<0.016 ug/l	<0.016 ug/l
4,4'-DDE				<0.016 ug/l	<0.016 ug/l	<0.016 ug/l	<0.016 ug/l	<0.016 ug/l
4,4'-DDT				<0.020 ug/l	<0.020 ug/l	<0.020 ug/l	<0.020 ug/l	<0.020 ug/l
a-BHC		0.06 ug/l		<0.021 ug/l	<0.021 ug/l	<0.021 ug/l	<0.021 ug/l	<0.021 ug/l
Acetochlor				<0.25 ug/l	<0.25 ug/l	<0.25 ug/l	<0.25 ug/l	<0.25 ug/l
Alachlor (Lasso)	2 ug/l			<0.19 ug/l	<0.19 ug/l	<0.19 ug/l	<0.19 ug/l	<0.19 ug/l
Aldrin		0.02 ug/l		<0.018 ug/l	<0.018 ug/l	<0.018 ug/l	<0.018 ug/l	<0.018 ug/l
Atrazine (Primatol)	3 (6) ug/l			<0.24 ug/l	<0.24 ug/l	<0.24 ug/l	<0.24 ug/l	0.43 j ug/l
b-BHC		0.2 ug/l		<0.016 ug/l	<0.016 ug/l	<0.016 ug/l	<0.016 ug/l	<0.016 ug/l
Bentazone		200 ug/l		<0.56 ug/l	<0.50 ug/l	<0.50 ug/l	<0.50 ug/l	0.65 ug/l
Chlordane, cis				<0.016 ug/l	<0.016 ug/l	<0.016 ug/l	<0.016 ug/l	<0.016 ug/l
Chlorpyrifos (Lorsban)		20 ug/l		<0.34 ug/l	<0.34 ug/l	<0.34 ug/l	<0.34 ug/l	<0.34 ug/l
Cyanazine (Bladex)				<0.48 ug/l	<0.48 ug/l	<0.48 ug/l	<0.48 ug/l	<0.48 ug/l
d-BHC				<0.014 ug/l	<0.014 ug/l	<0.014 ug/l	<0.014 ug/l	<0.014 ug/l
Deisopropyl atrazine				<0.26 ug/l	<0.26 ug/l	<0.26 ug/l	<0.26 ug/l	<0.26 ug/l
Desethylatrazine				<0.29 ug/l	<0.29 ug/l	<0.29 ug/l	<0.29 ug/l	0.37 j ug/l
Dicamba				<0.56 ug/l	<0.50 ug/l	<0.50 ug/l	<0.50 ug/l	<0.54 ug/l
Dieldrin				<0.024 ug/l	<0.024 ug/l	<0.024 ug/l	<0.024 ug/l	<0.024 ug/l
Dimethenamid		40 ug/l		<0.24 ug/l	<0.24 ug/l	<0.24 ug/l	<0.24 ug/l	<0.24 ug/l
Dinoseb (DNBP)	7 ug/l	7 ug/l		<0.56 ug/l	<0.50 ug/l	<0.50 ug/l	<0.50 ug/l	<0.54 ug/l
Endosulfan I				<0.021 ug/l	<0.021 ug/l	<0.021 ug/l	<0.021 ug/l	<0.021 ug/l

Table 9
SOC 6 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	MW-D3-007	MW-E2-009	MW-E2-012		MW-E2-305
		Sample Date	09/29/2009	09/30/2009	10/02/2009		09/29/2009
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table					
Effective Date	05/01/2009	06/02/2009					
Exceedance Key	No Exceedance	No Exceedance					
Endosulfan II			<0.019 ug/l	<0.019 ug/l	<0.019 ug/l	<0.019 ug/l	<0.019 ug/l
Endosulfan Sulfate			<0.019 ug/l	<0.019 ug/l	<0.019 ug/l	<0.019 ug/l	<0.019 ug/l
Endrin	2 ug/l	2 ug/l	<0.020 ug/l	<0.020 ug/l	<0.020 ug/l	<0.020 ug/l	<0.020 ug/l
Endrin Aldehyde			<0.040 ug/l	<0.040 ug/l	<0.040 ug/l	<0.040 ug/l	<0.040 ug/l
Endrin Ketone			<0.019 ug/l	<0.019 ug/l	<0.019 ug/l	<0.019 ug/l	<0.019 ug/l
EPTC (Eradicane)			<0.22 ug/l	<0.22 ug/l	<0.22 ug/l	<0.22 ug/l	<0.22 ug/l
Ethalfluralin (Sonalan)		300 ug/l	<0.47 ug/l	<0.47 ug/l	<0.47 ug/l	<0.47 ug/l	<0.47 ug/l
Fonofos (Dyphonate)		10 ug/l	<0.30 ug/l	<0.30 ug/l	<0.30 ug/l	<0.30 ug/l	<0.30 ug/l
g-BHC (Lindane)	0.2 ug/l	0.2 ug/l	<0.020 ug/l	<0.020 ug/l	<0.020 ug/l	<0.020 ug/l	<0.020 ug/l
g-Chlordane			<0.042 ug/l	<0.042 ug/l	<0.042 ug/l	<0.042 ug/l	<0.042 ug/l
Heptachlor	0.4 ug/l		<0.018 ug/l	<0.018 ug/l	<0.018 ug/l	<0.018 ug/l	<0.018 ug/l
Heptachlor Epoxide	0.2 ug/l		<0.038 ug/l	<0.038 ug/l	<0.038 ug/l	<0.038 ug/l	<0.038 ug/l
MCPA			<0.34 ug/l	<0.30 ug/l	<0.30 ug/l	<0.30 ug/l	<0.34 ug/l
Methoxychlor	40 ug/l		<0.026 ug/l	<0.026 ug/l	<0.026 ug/l	<0.026 ug/l	<0.026 ug/l
Metolachlor (Dual)			<0.28 ug/l	<0.28 ug/l	<0.28 ug/l	<0.28 ug/l	<0.28 ug/l
Metribuzin			<0.35 ug/l	<0.35 ug/l	<0.35 ug/l	<0.35 ug/l	<0.35 ug/l
Pendimethalin (Prowl)		90 ** ug/l	<0.25 ug/l	<0.25 ug/l	<0.25 ug/l	<0.25 ug/l	<0.25 ug/l
Pentachlorophenol	1 ug/l		<0.56 ug/l	<0.50 ug/l	<0.50 ug/l	<0.50 ug/l	<0.54 ug/l
Phorate (Thimet)		1 ug/l	<0.58 ug/l	<0.58 ug/l	<0.58 ug/l	<0.58 ug/l	<0.58 ug/l
Picloram	500 ug/l		<0.56 ug/l	<0.50 ug/l	<0.50 ug/l	<0.50 ug/l	<0.54 ug/l
Prometon (Pramitol)			<0.29 ug/l	<0.29 ug/l	<0.29 ug/l	<0.29 ug/l	<0.29 ug/l
Propachlor			<0.14 ug/l	<0.14 ug/l	<0.14 ug/l	<0.14 ug/l	<0.14 ug/l
Propazine (Milogard)		10 ug/l	<0.21 ug/l	<0.21 ug/l	<0.21 ug/l	<0.21 ug/l	<0.21 ug/l
Simazine (Princep)	4 ug/l		<0.32 ug/l	<0.32 ug/l	<0.32 ug/l	<0.32 ug/l	<0.32 ug/l
Terbufos (Counter)		0.2 ug/l	<0.54 ug/l	<0.54 ug/l	<0.54 ug/l	<0.54 ug/l	<0.54 ug/l
Toxaphene	3 ug/l		<1.0 ug/l	<1.0 ug/l	<1.0 ug/l	<1.0 ug/l	<1.0 ug/l
Triallate (Far-Go)		9 ** ug/l	<0.34 ug/l	<0.34 ug/l	<0.34 ug/l	<0.34 ug/l	<0.34 ug/l
Triclopyr		300 ug/l	<0.56 ug/l	<0.50 ug/l	<0.50 ug/l	<0.50 ug/l	<0.54 ug/l
Trifluralin (Treflan)		5 ug/l	<0.21 ug/l	<0.21 ug/l	<0.21 ug/l	<0.21 ug/l	<0.21 ug/l

Table 9
SOC 6 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	SOC6-GP6	
			Sample Date	06/08/2009	
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table			
Effective Date	05/01/2009	06/02/2009			
Exceedance Key	No Exceedance	No Exceedance			
General Parameters					
Nitrate + Nitrite	10 mg/l		2.13 mg/l	2.18 mg/l	
Nitrogen total kjeldahl			0.98 mg/l	0.88 mg/l	
Metals					
Antimony	6 ug/l		--	--	
Arsenic	10 ug/l		--	--	
Beryllium	4 ug/l		--	--	
Cadmium	5 ug/l		--	--	
Chromium	100 ug/l		--	--	
Copper	1300 TT (7) ug/l		--	--	
Lead	15 TT(7) ug/l		--	--	
Mercury	2 ug/l		--	--	
Nickel			--	--	
Selenium	50 ug/l		--	--	
Silver			--	--	
Thallium	2 ug/l		--	--	
Zinc			--	--	
Pesticides					
2,4,5-TP (Silvex)	50 ug/l		< 0.61 ug/l	--	
2,4,5-Trichlorophenoxyacetic acid			< 0.61 ug/l	--	
2,4-D	70 ug/l		< 0.61 ug/l	--	
2,4-DB		60 ug/l	< 0.61 ug/l	--	
4,4'-DDD			< 0.034 ug/l	< 0.034 ug/l	
4,4'-DDE			< 0.034 ug/l	< 0.034 ug/l	
4,4'-DDT			< 0.039 ug/l	< 0.039 ug/l	
a-BHC		0.06 ug/l	< 0.042 ug/l	< 0.042 ug/l	
Acetochlor			< 0.63 ug/l	--	
Alachlor (Lasso)	2 ug/l		< 0.63 ug/l	--	
Aldrin		0.02 ug/l	< 0.036 ug/l	< 0.036 ug/l	
Atrazine (Primatol)	3 (6) ug/l		< 0.63 ug/l	--	
b-BHC		0.2 ug/l	< 0.049 ug/l	< 0.049 ug/l	
Bentazone		200 ug/l	< 0.61 ug/l	--	
Chlordane, cis			< 0.035 ug/l	< 0.035 ug/l	
Chlorpyrifos (Lorsban)		20 ug/l	< 0.63 ug/l	--	
Cyanazine (Bladex)			< 0.63 ug/l	--	
d-BHC			< 0.043 ug/l	< 0.043 ug/l	
Deisopropyl atrazine			< 0.63 * ug/l	--	
Desethylatrazine			< 0.63 ug/l	--	
Dicamba			< 0.61 ug/l	--	
Dieldrin			< 0.034 ug/l	< 0.034 ug/l	
Dimethenamid		40 ug/l	< 0.63 ug/l	--	
Dinoseb (DNBP)	7 ug/l	7 ug/l	< 0.61 ug/l	--	
Endosulfan I			< 0.037 ug/l	< 0.037 ug/l	

Table 9
SOC 6 - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	**SOC6-GP6**	
		Sample Date	**06/08/2009**	
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table		
Effective Date	05/01/2009	06/02/2009		
Exceedance Key	No Exceedance	No Exceedance		
Endosulfan II			< 0.038 ug/l	< 0.038 ug/l
Endosulfan Sulfate			< 0.042 ug/l	< 0.042 ug/l
Endrin	2 ug/l	2 ug/l	< 0.039 ug/l	< 0.039 ug/l
Endrin Aldehyde			< 0.047 ug/l	< 0.047 ug/l
Endrin Ketone			< 0.039 ug/l	< 0.039 ug/l
EPTC (Eradicane)			< 0.63 ug/l	--
Ethalfluralin (Sonalan)		300 ug/l	< 0.63 ug/l	--
Fonofos (Dyphonate)		10 ug/l	< 0.63 ug/l	--
g-BHC (Lindane)	0.2 ug/l	0.2 ug/l	< 0.044 ug/l	< 0.044 ug/l
g-Chlordane			< 0.034 ug/l	< 0.034 ug/l
Heptachlor	0.4 ug/l		< 0.036 ug/l	< 0.036 ug/l
Heptachlor Epoxide	0.2 ug/l		< 0.038 ug/l	< 0.038 ug/l
MCPA			< 0.37 ug/l	--
Methoxychlor	40 ug/l		< 0.042 ug/l	< 0.042 ug/l
Metolachlor (Dual)			< 0.63 ug/l	--
Metribuzin			< 0.63 ug/l	--
Pendimethalin (Prowl)		90 ** ug/l	< 0.63 ug/l	--
Pentachlorophenol	1 ug/l		< 0.61 ug/l	--
Phorate (Thimet)		1 ug/l	< 1.3 ug/l	--
Picloram	500 ug/l		< 0.61 ug/l	--
Prometon (Pramitol)			< 0.63 ug/l	--
Propachlor			< 0.63 ug/l	--
Propazine (Milogard)		10 ug/l	< 0.63 ug/l	--
Simazine (Princep)	4 ug/l		< 0.63 ug/l	--
Terbufos (Counter)		0.2 ug/l	< 1.3 ug/l	--
Toxaphene	3 ug/l		< 0.18 ug/l	< 0.18 ug/l
Triallate (Far-Go)		9 ** ug/l	< 0.63 ug/l	--
Triclopyr		300 ug/l	< 0.61 ug/l	--
Trifluralin (Treflan)		5 ug/l	< 0.63 ug/l	--

Data Qualifiers/Footnotes - Groundwater	
Qualifier	**Definition**
--	Not analyzed/not available.
a	Estimated value, calculated using some or all values that are estimates.
b	Potential false positive value based on blank data validation procedures.
c	Coeluting compound.
e	Estimated value, exceeded the instrument calibration range.
h	EPA recommended sample preservation, extraction or analysis holding time was exceeded.
I	Indeterminate value based on failure of blind duplicate data to meet quality assurance criteria.
j	Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.
p	Relative percent difference is >40% (25% CLP pesticides) between primary and confirmation GC columns.
r	The presence of the compound is suspect based on the ID criteria of the retention time and relative retention time obtained from the examination of the chromatograms.
*	Estimated value, QA/QC criteria not met.
**	Unusable value, QA/QC criteria not met.
NA	NA indicates that a fractional portion of the sample is not part of the analytical testing or field collection procedures.
ND	Not detected.

Criteria Footnotes - Groundwater

	Qualifier	Definition
EPA Maximum Contaminant Level	(1)	When acrylamide is used in drinking water systems, the combination (or product) of dose and monomer level shall not exceed that equivalent to a polyacrylamide polymer containing 0.05% monomer dosed at 1 mg/L.
	(14)	Millirems per years.
	(15)	Picocuries per liter.
	(2)	1998 Final Rule for Disinfectants and Disinfection By-products: The total for trihalomethanes is 0.08 mg/L.
	(3)	The MCL value for any combination of two or more of these three chemicals (Aldicarb, Aldicarb sulfone, Aldicarb sulfoxide) should not exceed 0.007 mg/L because of similar mode of action.
	(5)	No more than 5.0% samples total coliform-positive in a month. Every sample that has total coliforms must be analyzed for fecal coliforms; no fecal coliforms are allowed.
	(6)	Under review.
	(7)	Copper action level at 1.3 mg/L, Lead action level at 0.015 mg/L
	(8)	Proposed 7/2001 arsenic rule states that the Jan. 2001 MCL of 10 ppb will not be enforced until 2006, and is still being evaluated at 3,5,10,20 ppb.
	TT	Treatment technique.
MN GW Values Table	(1)	Value is representative of the most conservative exposure duration published in the Minnesota Department of Health Groundwater Values Table.
	(2)	Set at short term HRL.
	HBV	Health Based Value.
	HRL	Health Risk Limit.
	RAA	Risk Assessment Advice.
	CR	Value represents the criteria for Chromium, hexavalent.

Table 10
SOC 7 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC7TT5 0.5-1	SOC7TT7 0.5-1
		Sample Date	6/8/2009	6/8/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV		
Effective Date	06/27/2005	06/22/2009		
Exceedance Key	No Exceedance	No Exceedance		
Metals				
Antimony	2.7 mg/kg	12 mg/kg	< 0.63 mg/kg	< 0.63 mg/kg
Arsenic	15.1 mg/kg	9 mg/kg	6.9 mg/kg	8.2 mg/kg
Beryllium	1.4 mg/kg	55 mg/kg	0.42 mg/kg	0.53 mg/kg
Cadmium	4.4 mg/kg	25 mg/kg	0.34 mg/kg	0.36 mg/kg
Chromium, total	1000000 mg/kg	44000 mg/kg	17 mg/kg	20 mg/kg
Copper	400 mg/kg	100 mg/kg	10 mg/kg	12 mg/kg
Lead	525 mg/kg	300 mg/kg	14 mg/kg	15 mg/kg
Mercury	1.6 MC mg/kg	0.5 mg/kg	< 0.13 mg/kg	< 0.13 mg/kg
Nickel	88 mg/kg	560 mg/kg	14 mg/kg	17 mg/kg
Selenium	1.5 mg/kg	160 mg/kg	< 1.3 mg/kg	< 1.3 mg/kg
Silver	3.9 mg/kg	160 mg/kg	< 0.32 mg/kg	< 0.32 mg/kg
Thallium		3 mg/kg	< 2.5 mg/kg	< 2.5 mg/kg
Zinc	1500 mg/kg	8700 mg/kg	50 mg/kg	53 mg/kg
SVOCs				
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.034 mg/kg	< 0.034 mg/kg
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.032 mg/kg	< 0.032 mg/kg
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.029 mg/kg	< 0.029 mg/kg
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg
2,3,4,6-Tetrachlorophenol		636 mg/kg	< 0.048 mg/kg	< 0.048 mg/kg
2,4,5-Trichlorophenol		1920 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg
2,4,6-Trichlorophenol	0.21 mg/kg	595 mg/kg	< 0.044 mg/kg	< 0.044 mg/kg
2,4-Dichlorophenol	0.076 mg/kg	48 mg/kg	< 0.044 mg/kg	< 0.044 mg/kg
2,4-Dimethylphenol	0.34 mg/kg	390 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg
2,4-Dinitrophenol	0.014 mg/kg		< 0.073 mg/kg	< 0.073 mg/kg
2,4-Dinitrotoluene	0.001 mg/kg	50 mg/kg	< 0.027 mg/kg	< 0.027 mg/kg
2,6-Dichlorophenol			< 0.054 mg/kg	< 0.054 mg/kg
2,6-Dinitrotoluene	0.001 mg/kg	25 mg/kg	< 0.024 mg/kg	< 0.024 mg/kg
2-Chloronaphthalene			< 0.024 mg/kg	< 0.024 mg/kg
2-Chlorophenol	0.26 mg/kg		< 0.048 mg/kg	< 0.048 mg/kg
2-Methyl-4,6-dinitrophenol			< 0.094 mg/kg	< 0.094 mg/kg
2-Methylnaphthalene		100 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg
2-Nitroaniline			< 0.025 mg/kg	< 0.025 mg/kg
2-Nitrophenol	0.6 mg/kg		< 0.046 mg/kg	< 0.046 mg/kg
3,3`-Dichlorobenzidine	0.36 mg/kg	25 mg/kg	< 0.49 mg/kg	< 0.49 mg/kg
3-Nitroaniline			< 0.042 mg/kg	< 0.042 mg/kg
4-Bromophenyl phenyl ether			< 0.022 mg/kg	< 0.022 mg/kg
4-Chloro-3-methylphenol			< 0.051 mg/kg	< 0.051 mg/kg
4-Chloroaniline			< 0.14 mg/kg	< 0.14 mg/kg
4-Chlorophenyl phenyl ether			< 0.029 mg/kg	< 0.029 mg/kg
4-Nitroaniline			< 0.029 mg/kg	< 0.029 mg/kg
4-Nitrophenol			< 0.13 mg/kg	< 0.13 mg/kg
Acenaphthene	50 mg/kg	1200 mg/kg	< 0.035 mg/kg	< 0.035 mg/kg

Table 10
SOC 7 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC7TT5 0.5-1	SOC7TT7 0.5-1
		Sample Date	6/8/2009	6/8/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV		
Acenaphthylene			< 0.029 mg/kg	< 0.029 mg/kg
Aniline			< 0.11 mg/kg	< 0.11 mg/kg
Anthracene	942 mg/kg	7880 mg/kg	< 0.032 mg/kg	< 0.032 mg/kg
Azobenzene			< 0.025 mg/kg	< 0.025 mg/kg
Benzidine			< 0.91 mg/kg	< 0.91 mg/kg
Benzo(g,h,i)perylene			< 0.038 mg/kg	< 0.038 mg/kg
Benzoic Acid	30 mg/kg	50000 mg/kg	< 0.073 mg/kg	< 0.073 mg/kg
Benzyl alcohol		8700 mg/kg	< 0.15 mg/kg	< 0.15 mg/kg
Bis(2-chloroethoxy)methane			< 0.027 mg/kg	< 0.027 mg/kg
Bis(2-chloroethyl)ether	0.001 mg/kg	2.5 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg
Bis(2-chloroisopropyl)ether	0.67 mg/kg		< 0.028 mg/kg	< 0.028 mg/kg
Bis(2-ethylhexyl)phthalate	40 mg/kg	570 mg/kg	< 0.025 mg/kg	< 0.025 mg/kg
Butyl benzyl phthalate	28 mg/kg	580 mg/kg	< 0.027 mg/kg	< 0.027 mg/kg
Carbazole		700 mg/kg	< 0.028 mg/kg	< 0.028 mg/kg
Dibenzofuran		104 mg/kg	< 0.024 mg/kg	< 0.024 mg/kg
Diethyl phthalate	18 mg/kg		< 0.019 mg/kg	< 0.019 mg/kg
Dimethyl phthalate	172 mg/kg		< 0.023 mg/kg	< 0.023 mg/kg
Di-n-butyl phthalate	23 mg/kg	2440 mg/kg	< 0.047 mg/kg	< 0.047 mg/kg
Di-n-octyl phthalate		520 mg/kg	< 0.032 mg/kg	< 0.032 mg/kg
Fluoranthene	295 mg/kg	1080 mg/kg	< 0.030 mg/kg	< 0.030 mg/kg
Fluorene	47 mg/kg	850 mg/kg	< 0.023 mg/kg	< 0.023 mg/kg
Hexachlorobenzene	0.32 mg/kg	5 mg/kg	< 0.020 mg/kg	< 0.020 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.042 mg/kg	< 0.042 mg/kg
Hexachlorocyclopentadiene	4.4 mg/kg	2 mg/kg	< 0.052 mg/kg	< 0.052 mg/kg
Hexachloroethane	0.05 mg/kg		< 0.035 mg/kg	< 0.035 mg/kg
Isophorone	0.16 mg/kg		< 0.022 mg/kg	< 0.022 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.037 mg/kg	< 0.037 mg/kg
Nitrobenzene			< 0.038 mg/kg	< 0.038 mg/kg
N-Nitrosodimethylamine	0.82 mg/kg		< 0.041 mg/kg	< 0.041 mg/kg
N-Nitrosodi-n-propylamine		0.7 mg/kg	< 0.032 mg/kg	< 0.032 mg/kg
N-Nitrosodiphenylamine	0.88 mg/kg	1950 mg/kg	< 0.023 mg/kg	< 0.023 mg/kg
o-Cresol	0.064 mg/kg	75 mg/kg	< 0.044 mg/kg	< 0.044 mg/kg
p-Cresol	0.033 mg/kg	10 mg/kg	< 0.034 mg/kg	< 0.034 mg/kg
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.12 mg/kg	< 0.12 mg/kg
Phenanthrene			< 0.024 mg/kg	< 0.024 mg/kg
Phenol	7.8 mg/kg	1500 mg/kg	< 0.072 mg/kg	< 0.072 mg/kg
Pyrene	272 mg/kg	890 mg/kg	< 0.029 mg/kg	< 0.029 mg/kg
Benzo(a)anthracene	T	T	< 0.034 mg/kg	< 0.034 mg/kg
Benzo(a)pyrene	T	T	< 0.034 mg/kg	< 0.034 mg/kg
Benzo(b)fluoranthene	T	T	< 0.043 mg/kg	< 0.043 mg/kg
Benzo(k)fluoranthene	T	T	< 0.039 mg/kg	< 0.039 mg/kg
Chrysene	T	T	< 0.042 mg/kg	< 0.042 mg/kg
Dibenz(a,h)anthracene	T	T	< 0.043 mg/kg	< 0.043 mg/kg
Indeno(1,2,3-cd)pyrene	T	T	< 0.041 mg/kg	< 0.041 mg/kg
BaP equivalent, non-detects at zero for the detection limit.[1]	10.2 T mg/kg	2 T mg/kg	ND	ND

Table 10
SOC 7 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC7TT5 0.5-1	SOC7TT7 0.5-1
		Sample Date	6/8/2009	6/8/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV		
VOCs				
1,1,1,2-Tetrachloroethane	1.4 mg/kg	31 mg/kg	< 0.031 mg/kg	< 0.033 mg/kg
1,1,1-Trichloroethane	3.5 mg/kg	140 mg/kg	< 0.040 mg/kg	< 0.042 mg/kg
1,1,2,2-Tetrachloroethane	0.005 mg/kg	3.5 mg/kg	< 0.030 mg/kg	< 0.032 mg/kg
1,1,2-Trichloroethane	0.01 mg/kg	9 mg/kg	< 0.044 mg/kg	< 0.047 mg/kg
1,1-Dichloro-1-propene			< 0.032 mg/kg	< 0.034 mg/kg
1,1-Dichloroethane	0.18 mg/kg	34 mg/kg	< 0.029 mg/kg	< 0.030 mg/kg
1,1-Dichloroethylene	0.025 mg/kg	20 mg/kg	< 0.030 mg/kg	< 0.032 mg/kg
1,2,3-Trichlorobenzene			< 0.079 mg/kg	< 0.084 mg/kg
1,2,3-Trichloropropane	0.35 mg/kg		< 0.064 mg/kg	< 0.067 mg/kg
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.077 mg/kg	< 0.081 mg/kg
1,2,4-Trimethylbenzene		8 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg
1,2-Dibromo-3-chloropropane	0.001 mg/kg		< 0.068 mg/kg	< 0.072 mg/kg
1,2-Dibromoethane	0.00001 mg/kg	0.3 mg/kg	< 0.046 mg/kg	< 0.048 mg/kg
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.032 mg/kg	< 0.034 mg/kg
1,2-Dichloroethane	0.01 mg/kg	4 mg/kg	< 0.030 mg/kg	< 0.032 mg/kg
1,2-Dichloroethylene, cis	0.14 mg/kg	8 mg/kg	< 0.055 mg/kg	< 0.058 mg/kg
1,2-Dichloroethylene, trans	0.27 mg/kg	11 mg/kg	< 0.026 mg/kg	< 0.028 mg/kg
1,2-Dichloropropane	0.011 mg/kg	4 mg/kg	< 0.034 mg/kg	< 0.035 mg/kg
1,3,5-Trimethylbenzene		3 mg/kg	< 0.018 mg/kg	< 0.019 mg/kg
1,3-Dichloro-1-propene trans	0.005 mg/kg		< 0.042 mg/kg	< 0.044 mg/kg
1,3-Dichloro-1-propene, cis	0.005 mg/kg		< 0.028 mg/kg	< 0.029 mg/kg
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.034 mg/kg	< 0.035 mg/kg
1,3-Dichloropropane			< 0.020 mg/kg	< 0.022 mg/kg
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.022 mg/kg	< 0.023 mg/kg
2,2-Dichloropropane			< 0.082 mg/kg	< 0.086 mg/kg
Acetone	0.7 mg/kg	340 mg/kg	< 0.38 mg/kg	< 0.41 mg/kg
Allyl Chloride	0.032 mg/kg		< 0.080 mg/kg	< 0.085 mg/kg
Benzene	0.034 mg/kg	6 mg/kg	< 0.018 mg/kg	< 0.019 mg/kg
Bromobenzene			< 0.023 mg/kg	< 0.024 mg/kg
Bromochloromethane	0.15 mg/kg		< 0.030 mg/kg	< 0.032 mg/kg
Bromodichloromethane	0.013 mg/kg	10 mg/kg	< 0.042 mg/kg	< 0.044 mg/kg
Bromoform	0.14 mg/kg	370 mg/kg	< 0.096 mg/kg	< 0.10 mg/kg
Bromomethane	0.5 mg/kg	0.7 mg/kg	< 0.17 mg/kg	< 0.18 mg/kg
Butyl benzene		30 mg/kg	< 0.038 mg/kg	< 0.041 mg/kg
Butylbenzene sec		25 mg/kg	< 0.012 mg/kg	< 0.013 mg/kg
Butylbenzene tert-		30 mg/kg	< 0.022 mg/kg	< 0.023 mg/kg
Carbon tetrachloride	0.023 mg/kg	0.3 mg/kg	< 0.032 mg/kg	< 0.034 mg/kg
Chlorobenzene	1.1 mg/kg	11 mg/kg	< 0.030 mg/kg	< 0.032 mg/kg
Chlorodibromomethane	0.03 mg/kg	12 mg/kg	< 0.038 mg/kg	< 0.041 mg/kg
Chloroethane		1000 mg/kg	< 0.088 mg/kg	< 0.092 mg/kg
Chloroform	0.17 mg/kg	2.5 mg/kg	< 0.050 mg/kg	< 0.053 mg/kg
Chloromethane	0.006 mg/kg	8 mg/kg	< 0.049 mg/kg	< 0.052 mg/kg
Chlorotoluene o-		436 mg/kg	< 0.022 mg/kg	< 0.023 mg/kg
Chlorotoluene p-			< 0.035 mg/kg	< 0.037 mg/kg
Cumene (isopropyl benzene)	18 mg/kg	30 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg

Table 10
SOC 7 - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
Dakota County, Minnesota

		Sys Loc Code	SOC7TT5 0.5-1	SOC7TT7 0.5-1
		Sample Date	6/8/2009	6/8/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV		
Cymene p- (Toluene isopropyl p-)			< 0.036 mg/kg	< 0.038 mg/kg
Dibromomethane (methylene bromide)		260 mg/kg	< 0.055 mg/kg	< 0.058 mg/kg
Dichlorodifluoromethane (CFC-12)	38 mg/kg	16 mg/kg	< 0.098 mg/kg	< 0.10 mg/kg
Dichlorofluoromethane (CFC-21)			< 0.053 mg/kg	< 0.056 mg/kg
Ethyl benzene	4.7 mg/kg	200 mg/kg	< 0.026 mg/kg	< 0.028 mg/kg
Ethyl ether	1.2 mg/kg		< 0.058 mg/kg	< 0.061 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.16 mg/kg	< 0.16 mg/kg
Methyl ethyl ketone	6.4 mg/kg	5500 mg/kg	< 0.14 mg/kg	< 0.15 mg/kg
Methyl isobutyl ketone	0.42 mg/kg	1700 mg/kg	< 0.11 mg/kg	< 0.12 mg/kg
Methyl tertiary butyl ether (MTBE)	0.027 mg/kg		< 0.020 mg/kg	< 0.022 mg/kg
Methylene chloride	0.068 mg/kg	97 mg/kg	< 0.20 mg/kg	< 0.22 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.078 mg/kg	< 0.082 mg/kg
Propylbenzene		30 mg/kg	< 0.017 mg/kg	< 0.018 mg/kg
Styrene	1.9 mg/kg	210 mg/kg	< 0.048 mg/kg	< 0.051 mg/kg
Tetrachloroethylene	0.068 mg/kg	72 mg/kg	< 0.042 mg/kg	< 0.044 mg/kg
Tetrahydrofuran	0.16 mg/kg		< 0.12 mg/kg	< 0.13 mg/kg
Toluene	6.4 mg/kg	107 mg/kg	< 0.034 mg/kg	< 0.035 mg/kg
Trichloroethylene	0.14 mg/kg	29 mg/kg	< 0.048 mg/kg	< 0.051 mg/kg
Trichlorofluoromethane	22 mg/kg	67 mg/kg	< 0.038 mg/kg	< 0.041 mg/kg
Trichlorotrifluoroethane (Freon 113)	2580 mg/kg	3745 mg/kg	< 0.078 mg/kg	< 0.082 mg/kg
Vinyl chloride	0.001 mg/kg	0.8 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg
Xylenes, total	45 M mg/kg	45 M mg/kg	ND	ND

Data Qualifiers/Footnotes	
Qualifier	**Definition**
--	Not analyzed/not available.
a	Estimated value, calculated using some or all values that are estimates.
b	Potential false positive value based on blank data validation procedures.
c	Coeluting compound.
e	Estimated value, exceeded the instrument calibration range.
h	EPA recommended sample preservation, extraction or analysis holding time was exceeded.
I	Indeterminate value based on failure of blind duplicate data to meet quality assurance criteria.
j	Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.
p	Relative percent difference is >40% (25% CLP pesticides) between primary and confirmation GC columns.
r	The presence of the compound is suspect based on the ID criteria of the retention time and relative retention time obtained from the examination of the chromatograms.
*	Estimated value, QA/QC criteria not met.
**	Unusable value, QA/QC criteria not met.
ND	Not detected.

Data Qualifiers / Footnotes

	Qualifier	Definition
MN Tier I SLV	DI	Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
	M	Value represents the criteria for mixed Xylenes.
	MC	Mercury as Mercuric Chloride.
	NA	Not Applicable.
	T	Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Chrysene and Indeno(1,2.3-cd)pyrene.
MN Tier I SRV	DI	Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
	M	Value represents the criteria for mixed Xylenes.
	T	Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Chrysene and Indeno(1,2.3-cd)pyrene.

1 Total BaP equivalence (2002) calculated using zero for the detection limit on the non detected compounds.

	CAS No.	Site Conc. (mg/kg) dry weight	Relative Potency Factor	BaP Equivalent (mg/kg)
Benzo(a)anthracene	56553	0.000	0.1	0.000
Benzo(b)fluoranthene	205992	0.000	0.1	0.000
Benzo(k)fluoranthene	207089	0.000	0.1	0.000
Benzo(a)pyrene	50328	0.000	1	0.000
Chrysene	218019	0.000	0.01	0.000
Dibenz(a,h)anthracene	53703	0.000	0.56	0.000
Indeno(1,2,3-cd)pyrene	193395	0.000	0.1	0.000
		Total BaP equivalence = compare this value to the BaP criteria		0.000

Table 11
Background - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	SS1	SS2	SS3	SS4	SS5
		Sample Date	6/11/2009	6/11/2009	6/11/2009	6/11/2009	6/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV					
Effective Date	06/27/2005	06/22/2009					
Exceedance Key	No Exceedance	Underline					
Metals							
Antimony	2.7 mg/kg	12 mg/kg	< 0.64 mg/kg	< 0.66 mg/kg	< 0.63 mg/kg	< 0.61 mg/kg	< 0.63 mg/kg
Arsenic	15.1 mg/kg	9 mg/kg	7.0 mg/kg	6.9 mg/kg	7.5 mg/kg	6.7 mg/kg	8.4 mg/kg
Beryllium	1.4 mg/kg	55 mg/kg	0.53 mg/kg	0.53 mg/kg	0.54 mg/kg	0.49 mg/kg	0.61 mg/kg
Cadmium	4.4 mg/kg	25 mg/kg	0.33 mg/kg	0.38 mg/kg	< 0.32 mg/kg	< 0.30 mg/kg	0.35 mg/kg
Chromium, total	1000000 mg/kg	44000 mg/kg	16 mg/kg	16 mg/kg	17 mg/kg	16 mg/kg	18 mg/kg
Copper	400 mg/kg	100 mg/kg	11 mg/kg	12 mg/kg	10 mg/kg	9.8 mg/kg	12 mg/kg
Lead	525 mg/kg	300 mg/kg	15 mg/kg	15 mg/kg	14 mg/kg	13 mg/kg	16 mg/kg
Mercury	1.6 MC mg/kg	0.5 mg/kg	< 0.13 mg/kg	< 0.13 mg/kg	< 0.13 mg/kg	< 0.12 mg/kg	< 0.13 mg/kg
Nickel	88 mg/kg	560 mg/kg	14 mg/kg	15 mg/kg	14 mg/kg	14 mg/kg	17 mg/kg
Selenium	1.5 mg/kg	160 mg/kg	< 1.3 mg/kg	< 1.3 mg/kg	< 1.3 mg/kg	< 1.2 mg/kg	< 1.3 mg/kg
Silver	3.9 mg/kg	160 mg/kg	< 0.32 mg/kg	< 0.33 mg/kg	< 0.32 mg/kg	< 0.30 mg/kg	< 0.32 mg/kg
Thallium		3 mg/kg	< 2.6 mg/kg	< 2.6 mg/kg	< 2.5 mg/kg	< 2.4 mg/kg	< 2.5 mg/kg
Zinc	1500 mg/kg	8700 mg/kg	57 mg/kg	67 mg/kg	60 mg/kg	52 mg/kg	70 mg/kg
SVOCs							
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	< 0.035 mg/kg	< 0.036 mg/kg	< 0.034 mg/kg	< 0.033 mg/kg	< 0.034 mg/kg
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	< 0.032 mg/kg	< 0.033 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.032 mg/kg
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	< 0.029 mg/kg	< 0.030 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	< 0.031 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.029 mg/kg	< 0.030 mg/kg
2,3,4,6-Tetrachlorophenol		636 mg/kg	< 0.049 mg/kg	< 0.050 mg/kg	< 0.048 mg/kg	< 0.046 mg/kg	< 0.048 mg/kg
2,4,5-Trichlorophenol		1920 mg/kg	< 0.031 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.029 mg/kg	< 0.030 mg/kg
2,4,6-Trichlorophenol	0.21 mg/kg	595 mg/kg	< 0.045 mg/kg	< 0.046 mg/kg	< 0.044 mg/kg	< 0.043 mg/kg	< 0.044 mg/kg
2,4-Dichlorophenol	0.076 mg/kg	48 mg/kg	< 0.045 mg/kg	< 0.046 mg/kg	< 0.044 mg/kg	< 0.043 mg/kg	< 0.044 mg/kg
2,4-Dimethylphenol	0.34 mg/kg	390 mg/kg	< 0.12 mg/kg	< 0.12 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg
2,4-Dinitrophenol	0.014 mg/kg		< 0.074 mg/kg	< 0.076 mg/kg	< 0.073 mg/kg	< 0.071 mg/kg	< 0.073 mg/kg
2,4-Dinitrotoluene	0.001 mg/kg	50 mg/kg	< 0.027 mg/kg	< 0.028 mg/kg	< 0.027 mg/kg	< 0.026 mg/kg	< 0.027 mg/kg
2,6-Dichlorophenol			< 0.055 mg/kg	< 0.057 mg/kg	< 0.054 mg/kg	< 0.052 mg/kg	< 0.054 mg/kg
2,6-Dinitrotoluene	0.001 mg/kg	25 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg	< 0.024 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
2-Chloronaphthalene			< 0.024 mg/kg	< 0.025 mg/kg	< 0.024 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
2-Chlorophenol	0.26 mg/kg		< 0.049 mg/kg	< 0.050 mg/kg	< 0.048 mg/kg	< 0.046 mg/kg	< 0.048 mg/kg
2-Methyl-4,6-dinitrophenol			< 0.095 mg/kg	< 0.097 mg/kg	< 0.094 mg/kg	< 0.090 mg/kg	< 0.094 mg/kg
2-Methylnaphthalene		100 mg/kg	< 0.036 mg/kg	< 0.037 mg/kg	< 0.035 mg/kg	< 0.034 mg/kg	< 0.035 mg/kg
2-Nitroaniline			< 0.026 mg/kg	< 0.026 mg/kg	< 0.025 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg
2-Nitrophenol	0.6 mg/kg		< 0.046 mg/kg	< 0.047 mg/kg	< 0.046 mg/kg	< 0.044 mg/kg	< 0.046 mg/kg
3,3`-Dichlorobenzidine	0.36 mg/kg	25 mg/kg	< 0.50 mg/kg	< 0.51 mg/kg	< 0.49 mg/kg	< 0.48 mg/kg	< 0.49 mg/kg
3-Nitroaniline			< 0.042 mg/kg	< 0.043 mg/kg	< 0.042 mg/kg	< 0.040 mg/kg	< 0.042 mg/kg
4-Bromophenyl phenyl ether			< 0.022 mg/kg	< 0.022 mg/kg	< 0.022 mg/kg	< 0.021 mg/kg	< 0.022 mg/kg
4-Chloro-3-methylphenol			< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
4-Chloroaniline			< 0.14 mg/kg	< 0.14 mg/kg	< 0.14 mg/kg	< 0.13 mg/kg	< 0.14 mg/kg
4-Chlorophenyl phenyl ether			< 0.029 mg/kg	< 0.030 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg
4-Nitroaniline			< 0.029 mg/kg	< 0.030 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg
4-Nitrophenol			< 0.13 mg/kg	< 0.13 mg/kg	< 0.13 mg/kg	< 0.12 mg/kg	< 0.13 mg/kg
Acenaphthene	50 mg/kg	1200 mg/kg	< 0.036 mg/kg	< 0.037 mg/kg	< 0.035 mg/kg	< 0.034 mg/kg	< 0.035 mg/kg

Table 11
Background - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	SS1	SS2	SS3	SS4	SS5
		Sample Date	6/11/2009	6/11/2009	6/11/2009	6/11/2009	6/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV					
Acenaphthylene			< 0.029 mg/kg	< 0.030 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg
Aniline			< 0.12 mg/kg	< 0.12 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg	< 0.11 mg/kg
Anthracene	942 mg/kg	7880 mg/kg	< 0.032 mg/kg	< 0.033 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.032 * mg/kg
Azobenzene			< 0.026 mg/kg	< 0.026 mg/kg	< 0.025 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg
Benzidine			< 0.92 mg/kg	< 0.95 mg/kg	< 0.91 mg/kg	< 0.88 mg/kg	< 0.91 mg/kg
Benzo(g,h,i)perylene			< 0.038 mg/kg	< 0.039 mg/kg	< 0.038 mg/kg	< 0.037 mg/kg	< 0.038 mg/kg
Benzoic Acid	30 mg/kg	50000 mg/kg	< 0.074 mg/kg	< 0.076 mg/kg	< 0.073 mg/kg	< 0.071 mg/kg	< 0.073 mg/kg
Benzyl alcohol		8700 mg/kg	< 0.15 mg/kg	< 0.16 mg/kg	< 0.15 mg/kg	< 0.15 mg/kg	< 0.15 mg/kg
Bis(2-chloroethoxy)methane			< 0.027 mg/kg	< 0.028 mg/kg	< 0.027 mg/kg	< 0.026 mg/kg	< 0.027 mg/kg
Bis(2-chloroethyl)ether	0.001 mg/kg	2.5 mg/kg	< 0.031 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.029 mg/kg	< 0.030 mg/kg
Bis(2-chloroisopropyl)ether	0.67 mg/kg		< 0.028 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	< 0.027 mg/kg	< 0.028 mg/kg
Bis(2-ethylhexyl)phthalate	40 mg/kg	570 mg/kg	< 0.026 mg/kg	< 0.026 mg/kg	< 0.025 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg
Butyl benzyl phthalate	28 mg/kg	580 mg/kg	< 0.027 mg/kg	< 0.028 mg/kg	< 0.027 mg/kg	< 0.026 mg/kg	< 0.027 mg/kg
Carbazole		700 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	< 0.027 mg/kg	< 0.028 mg/kg
Dibenzofuran		104 mg/kg	< 0.024 mg/kg	< 0.025 mg/kg	< 0.024 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
Diethyl phthalate	18 mg/kg		< 0.019 mg/kg	< 0.020 mg/kg	< 0.019 mg/kg	< 0.018 mg/kg	< 0.019 mg/kg
Dimethyl phthalate	172 mg/kg		< 0.023 mg/kg	< 0.024 mg/kg	< 0.023 mg/kg	< 0.022 mg/kg	< 0.023 mg/kg
Di-n-butyl phthalate	23 mg/kg	2440 mg/kg	< 0.047 mg/kg	< 0.049 mg/kg	< 0.047 mg/kg	< 0.045 mg/kg	< 0.047 mg/kg
Di-n-octyl phthalate		520 mg/kg	< 0.032 mg/kg	< 0.033 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.032 mg/kg
Fluoranthene	295 mg/kg	1080 mg/kg	< 0.031 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.029 mg/kg	< 0.030 mg/kg
Fluorene	47 mg/kg	850 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg	< 0.023 mg/kg	< 0.022 mg/kg	< 0.023 mg/kg
Hexachlorobenzene	0.32 mg/kg	5 mg/kg	< 0.021 mg/kg	< 0.021 mg/kg	< 0.020 mg/kg	< 0.020 mg/kg	< 0.020 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	< 0.042 mg/kg	< 0.043 mg/kg	< 0.042 mg/kg	< 0.040 mg/kg	< 0.042 mg/kg
Hexachlorocyclopentadiene	4.4 mg/kg	2 mg/kg	< 0.053 mg/kg	< 0.054 mg/kg	< 0.052 mg/kg	< 0.050 mg/kg	< 0.052 mg/kg
Hexachloroethane	0.05 mg/kg		< 0.036 mg/kg	< 0.037 mg/kg	< 0.035 mg/kg	< 0.034 mg/kg	< 0.035 mg/kg
Isophorone	0.16 mg/kg		< 0.022 mg/kg	< 0.022 mg/kg	< 0.022 mg/kg	< 0.021 mg/kg	< 0.022 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	< 0.037 mg/kg	< 0.038 mg/kg	< 0.037 mg/kg	< 0.035 mg/kg	< 0.037 mg/kg
Nitrobenzene			< 0.038 mg/kg	< 0.039 mg/kg	< 0.038 mg/kg	< 0.037 mg/kg	< 0.038 mg/kg
N-Nitrosodimethylamine	0.82 mg/kg		< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.039 mg/kg	< 0.041 mg/kg
N-Nitrosodi-n-propylamine		0.7 mg/kg	< 0.032 mg/kg	< 0.033 mg/kg	< 0.032 mg/kg	< 0.030 mg/kg	< 0.032 mg/kg
N-Nitrosodiphenylamine	0.88 mg/kg	1950 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg	< 0.023 mg/kg	< 0.022 mg/kg	< 0.023 mg/kg
o-Cresol	0.064 mg/kg	75 mg/kg	< 0.045 mg/kg	< 0.046 mg/kg	< 0.044 mg/kg	< 0.043 mg/kg	< 0.044 mg/kg
p-Cresol	0.033 mg/kg	10 mg/kg	< 0.035 mg/kg	< 0.036 mg/kg	< 0.034 mg/kg	< 0.033 mg/kg	< 0.034 mg/kg
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.12 mg/kg	< 0.13 mg/kg	< 0.12 mg/kg	< 0.12 mg/kg	< 0.12 mg/kg
Phenanthrene			< 0.024 mg/kg	< 0.025 mg/kg	< 0.024 mg/kg	< 0.023 mg/kg	< 0.024 mg/kg
Phenol	7.8 mg/kg	1500 mg/kg	< 0.073 mg/kg	< 0.075 mg/kg	< 0.072 mg/kg	< 0.070 mg/kg	< 0.072 mg/kg
Pyrene	272 mg/kg	890 mg/kg	< 0.029 mg/kg	< 0.030 mg/kg	< 0.029 mg/kg	< 0.028 mg/kg	< 0.029 mg/kg
Benzo(a)anthracene	T	T	< 0.035 mg/kg	< 0.036 mg/kg	< 0.034 mg/kg	< 0.033 mg/kg	< 0.034 * mg/kg
Benzo(a)pyrene	T	T	< 0.035 mg/kg	< 0.036 mg/kg	< 0.034 mg/kg	< 0.033 mg/kg	< 0.034 * mg/kg
Benzo(b)fluoranthene	T	T	< 0.044 mg/kg	< 0.045 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg
Benzo(k)fluoranthene	T	T	< 0.040 mg/kg	< 0.041 mg/kg	< 0.039 mg/kg	< 0.038 mg/kg	< 0.039 mg/kg
Chrysene	T	T	< 0.042 mg/kg	< 0.043 mg/kg	< 0.042 mg/kg	< 0.040 mg/kg	< 0.042 * mg/kg
Dibenz(a,h)anthracene	T	T	< 0.044 mg/kg	< 0.045 mg/kg	< 0.043 mg/kg	< 0.041 mg/kg	< 0.043 mg/kg
Indeno(1,2,3-cd)pyrene	T	T	< 0.041 mg/kg	< 0.042 mg/kg	< 0.041 mg/kg	< 0.039 mg/kg	< 0.041 mg/kg

Table 11
Background - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	SS1	SS2	SS3	SS4	SS5
		Sample Date	6/11/2009	6/11/2009	6/11/2009	6/11/2009	6/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV					
BaP equivalent, non-detects at zero for the detection limit.[1]	10.2 T mg/kg	2 T mg/kg	ND	ND	ND	ND	ND
VOCs							
1,1,1,2-Tetrachloroethane	1.4 mg/kg	31 mg/kg	--	--	--	--	< 0.048 mg/kg
1,1,1-Trichloroethane	3.5 mg/kg	140 mg/kg	--	--	--	--	< 0.061 mg/kg
1,1,2,2-Tetrachloroethane	0.005 mg/kg	3.5 mg/kg	--	--	--	--	< 0.046 mg/kg
1,1,2-Trichloroethane	0.01 mg/kg	9 mg/kg	--	--	--	--	< 0.068 mg/kg
1,1-Dichloro-1-propene			--	--	--	--	< 0.050 mg/kg
1,1-Dichloroethane	0.18 mg/kg	34 mg/kg	--	--	--	--	< 0.044 mg/kg
1,1-Dichloroethylene	0.025 mg/kg	20 mg/kg	--	--	--	--	< 0.046 mg/kg
1,2,3-Trichlorobenzene			--	--	--	--	< 0.12 mg/kg
1,2,3-Trichloropropane	0.35 mg/kg		--	--	--	--	< 0.097 mg/kg
1,2,4-Trichlorobenzene	0.31 mg/kg	200 mg/kg	--	--	--	--	< 0.12 mg/kg
1,2,4-Trimethylbenzene		8 mg/kg	--	--	--	--	< 0.037 mg/kg
1,2-Dibromo-3-chloropropane	0.001 mg/kg		--	--	--	--	< 0.10 mg/kg
1,2-Dibromoethane	1e-005 mg/kg	0.3 mg/kg	--	--	--	--	< 0.070 mg/kg
1,2-Dichlorobenzene	8.1 mg/kg	26 mg/kg	--	--	--	--	< 0.050 mg/kg
1,2-Dichloroethane	0.01 mg/kg	4 mg/kg	--	--	--	--	< 0.046 mg/kg
1,2-Dichloroethylene, cis	0.14 mg/kg	8 mg/kg	--	--	--	--	< 0.085 mg/kg
1,2-Dichloroethylene, trans	0.27 mg/kg	11 mg/kg	--	--	--	--	< 0.040 mg/kg
1,2-Dichloropropane	0.011 mg/kg	4 mg/kg	--	--	--	--	< 0.051 mg/kg
1,3,5-Trimethylbenzene		3 mg/kg	--	--	--	--	< 0.028 mg/kg
1,3-Dichloro-1-propene trans	0.005 mg/kg		--	--	--	--	< 0.064 mg/kg
1,3-Dichloro-1-propene, cis	0.005 mg/kg		--	--	--	--	< 0.042 mg/kg
1,3-Dichlorobenzene	4.2 mg/kg	26 mg/kg	--	--	--	--	< 0.051 mg/kg
1,3-Dichloropropane			--	--	--	--	< 0.031 mg/kg
1,4-Dichlorobenzene	0.13 mg/kg	30 mg/kg	--	--	--	--	< 0.033 mg/kg
2,2-Dichloropropane			--	--	--	--	< 0.12 mg/kg
Acetone	0.7 mg/kg	340 mg/kg	--	--	--	--	< 0.59 mg/kg
Allyl Chloride	0.032 mg/kg		--	--	--	--	< 0.12 mg/kg
Benzene	0.034 mg/kg	6 mg/kg	--	--	--	--	< 0.028 mg/kg
Bromobenzene			--	--	--	--	< 0.035 mg/kg
Bromochloromethane	0.15 mg/kg		--	--	--	--	< 0.046 mg/kg
Bromodichloromethane	0.013 mg/kg	10 mg/kg	--	--	--	--	< 0.064 mg/kg
Bromoform	0.14 mg/kg	370 mg/kg	--	--	--	--	< 0.15 mg/kg
Bromomethane	0.5 mg/kg	0.7 mg/kg	--	--	--	--	< 0.26 mg/kg
Butyl benzene		30 mg/kg	--	--	--	--	< 0.059 mg/kg
Butylbenzene sec		25 mg/kg	--	--	--	--	< 0.018 mg/kg
Butylbenzene tert-		30 mg/kg	--	--	--	--	< 0.033 mg/kg
Carbon tetrachloride	0.023 mg/kg	0.3 mg/kg	--	--	--	--	< 0.050 mg/kg
Chlorobenzene	1.1 mg/kg	11 mg/kg	--	--	--	--	< 0.046 mg/kg
Chlorodibromomethane	0.03 mg/kg	12 mg/kg	--	--	--	--	< 0.059 mg/kg
Chloroethane		1000 mg/kg	--	--	--	--	< 0.13 mg/kg
Chloroform	0.17 mg/kg	2.5 mg/kg	--	--	--	--	< 0.077 mg/kg
Chloromethane	0.006 mg/kg	8 mg/kg	--	--	--	--	< 0.075 mg/kg

Table 11
Background - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	SS1	SS2	SS3	SS4	SS5
		Sample Date	6/11/2009	6/11/2009	6/11/2009	6/11/2009	6/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV					
Chlorotoluene o-		436 mg/kg	--	--	--	--	< 0.033 mg/kg
Chlorotoluene p-			--	--	--	--	< 0.053 mg/kg
Cumene (isopropyl benzene)	18 mg/kg	30 mg/kg	--	--	--	--	< 0.042 mg/kg
Cymene p- (Toluene isopropyl p-)			--	--	--	--	< 0.055 mg/kg
Dibromomethane (methylene bromide)		260 mg/kg	--	--	--	--	< 0.085 mg/kg
Dichlorodifluoromethane (CFC-12)	38 mg/kg	16 mg/kg	--	--	--	--	< 0.15 mg/kg
Dichlorofluoromethane (CFC-21)			--	--	--	--	< 0.081 mg/kg
Ethyl benzene	4.7 mg/kg	200 mg/kg	--	--	--	--	< 0.040 mg/kg
Ethyl ether	1.2 mg/kg		--	--	--	--	< 0.088 mg/kg
Hexachlorobutadiene	25 mg/kg	6 mg/kg	--	--	--	--	< 0.24 mg/kg
Methyl ethyl ketone	6.4 mg/kg	5500 mg/kg	--	--	--	--	< 0.22 mg/kg
Methyl isobutyl ketone	0.42 mg/kg	1700 mg/kg	--	--	--	--	< 0.17 mg/kg
Methyl tertiary butyl ether (MTBE)	0.027 mg/kg		--	--	--	--	< 0.031 mg/kg
Methylene chloride	0.068 mg/kg	97 mg/kg	--	--	--	--	< 0.31 mg/kg
Naphthalene	7.5 mg/kg	10 mg/kg	--	--	--	--	< 0.12 mg/kg
Propylbenzene		30 mg/kg	--	--	--	--	< 0.026 mg/kg
Styrene	1.9 mg/kg	210 mg/kg	--	--	--	--	< 0.073 mg/kg
Tetrachloroethylene	0.068 mg/kg	72 mg/kg	--	--	--	--	< 0.064 mg/kg
Tetrahydrofuran	0.16 mg/kg		--	--	--	--	< 0.18 mg/kg
Toluene	6.4 mg/kg	107 mg/kg	--	--	--	--	< 0.051 mg/kg
Trichloroethylene	0.14 mg/kg	29 mg/kg	--	--	--	--	< 0.073 mg/kg
Trichlorofluoromethane	22 mg/kg	67 mg/kg	--	--	--	--	< 0.059 mg/kg
Trichlorotrifluoroethane (Freon 113)	2580 mg/kg	3745 mg/kg	--	--	--	--	< 0.12 mg/kg
Vinyl chloride	0.001 mg/kg	0.8 mg/kg	--	--	--	--	< 0.042 mg/kg
Xylene m & p	M	M	--	--	--	--	< 0.16 mg/kg
Xylene, o-	M	M	--	--	--	--	< 0.057 mg/kg
Xylenes, total	45 M mg/kg	45 M mg/kg	--	--	--	--	ND
Pesticides							
2,4,5-TP (Silvex)			< 0.064 mg/kg	< 0.067 mg/kg	< 0.063 mg/kg	< 0.061 mg/kg	< 0.064 mg/kg
2,4,5-Trichlorophenoxyacetic acid		290 mg/kg	< 0.064 mg/kg	< 0.067 mg/kg	< 0.063 mg/kg	< 0.061 mg/kg	< 0.064 mg/kg
2,4-D		285 mg/kg	< 0.064 mg/kg	< 0.067 mg/kg	< 0.063 mg/kg	< 0.061 mg/kg	< 0.064 mg/kg
2,4-DB		226 mg/kg	< 0.064 mg/kg	< 0.067 mg/kg	< 0.063 mg/kg	< 0.061 mg/kg	< 0.064 mg/kg
4,4'-DDD		56 mg/kg	< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
4,4'-DDE		40 mg/kg	< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
4,4'-DDT		15 mg/kg	< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
a-BHC		2 mg/kg	< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Acetochlor			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Alachlor (Lasso)			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Aldrin		1 mg/kg	< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Atrazine (Primatol)			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
b-BHC		7 mg/kg	< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Bentazone			< 0.064 mg/kg	< 0.067 mg/kg	< 0.063 mg/kg	< 0.061 mg/kg	< 0.064 mg/kg
Chlordane, cis			< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Chlorpyrifos (Lorsban)			< 0.051 * mg/kg	< 0.054 * mg/kg	< 0.050 * mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Cyanazine (Bladex)			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg

Table 11
Background - Soil Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	SS1	SS2	SS3	SS4	SS5
		Sample Date	6/11/2009	6/11/2009	6/11/2009	6/11/2009	6/11/2009
Chemical Name	MN Tier I SLV	MN Tier I SRV					
d-BHC			< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Deisopropyl atrazine			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Desethylatrazine			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Dicamba			< 0.064 mg/kg	< 0.067 mg/kg	< 0.063 mg/kg	< 0.061 mg/kg	< 0.064 mg/kg
Dieldrin		0.8 mg/kg	< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Dimethenamid			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Dinoseb (DNBP)			< 0.064 mg/kg	< 0.067 mg/kg	< 0.063 mg/kg	< 0.061 mg/kg	< 0.064 mg/kg
Endosulfan I			< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Endosulfan II			< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Endosulfan Sulfate			< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Endrin		8 mg/kg	< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Endrin Aldehyde			< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Endrin Ketone			< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
EPTC (Eradicane)			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Ethalfluralin (Sonalan)			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Fonofos (Dyphonate)			< 0.051 * mg/kg	< 0.054 * mg/kg	< 0.050 * mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
g-BHC (Lindane)		9 mg/kg	< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
g-Chlordane			< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Heptachlor		2 mg/kg	< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Heptachlor Epoxide		0.4 mg/kg	< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
MCPA		16 mg/kg	< 0.064 mg/kg	< 0.067 mg/kg	< 0.063 mg/kg	< 0.061 mg/kg	< 0.064 mg/kg
Methoxychlor		11 mg/kg	< 0.051 mg/kg	< 0.053 mg/kg	< 0.051 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Metolachlor (Dual)		435 mg/kg	0.0063 j mg/kg	0.011 j mg/kg	0.063 mg/kg	0.015 j mg/kg	0.081 mg/kg
Metribuzin			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Pendimethalin (Prowl)			< 0.051 mg/kg	0.045 j mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	0.026 j mg/kg
Pentachlorophenol	0.034 mg/kg	80 mg/kg	< 0.064 mg/kg	< 0.067 mg/kg	< 0.063 mg/kg	< 0.061 mg/kg	< 0.064 mg/kg
Phorate (Thimet)			< 0.051 * mg/kg	< 0.054 * mg/kg	< 0.050 * mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Picloram		2000 mg/kg	< 0.064 * mg/kg	< 0.067 * mg/kg	< 0.063 * mg/kg	< 0.061 * mg/kg	< 0.064 * mg/kg
Prometon (Pramitol)			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Propachlor			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Propazine (Milogard)			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Simazine (Princep)			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Terbufos (Counter)		0.6 mg/kg	< 0.051 * mg/kg	2.3 * mg/kg	< 0.050 * mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Toxaphene		13 mg/kg	< 0.10 mg/kg	< 0.11 mg/kg	< 0.10 mg/kg	< 0.098 mg/kg	< 0.10 mg/kg
Triallate (Far-Go)			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	< 0.051 mg/kg
Triclopyr			< 0.064 mg/kg	< 0.067 mg/kg	< 0.063 mg/kg	< 0.061 mg/kg	< 0.064 mg/kg
Trifluralin (Treflan)			< 0.051 mg/kg	< 0.054 mg/kg	< 0.050 mg/kg	< 0.049 mg/kg	0.30 mg/kg
Explosives							
Nitrocellulose			--	--	--	--	12.8 mg/kg

Data Qualifiers/Footnotes	
Qualifier	**Definition**
--	Not analyzed/not available.
a	Estimated value, calculated using some or all values that are estimates.
b	Potential false positive value based on blank data validation procedures.
c	Coeluting compound.
e	Estimated value, exceeded the instrument calibration range.
h	EPA recommended sample preservation, extraction or analysis holding time was exceeded.
I	Indeterminate value based on failure of blind duplicate data to meet quality assurance criteria.
j	Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.
p	Relative percent difference is >40% (25% CLP pesticides) between primary and confirmation GC columns.
r	The presence of the compound is suspect based on the ID criteria of the retention time and relative retention time obtained from the examination of the chromatograms.
*	Estimated value, QA/QC criteria not met.
**	Unusable value, QA/QC criteria not met.
ND	Not detected.

Data Qualifiers / Footnotes

	Qualifier	Definition
MN Tier I SLV	DI	Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
	M	Value represents the criteria for mixed Xylenes.
	MC	Mercury as Mercuric Chloride.
	NA	Not Applicable.
	T	Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Chrysene and Indeno(1,2.3-cd)pyrene.
MN Tier I SRV	DI	Value represents a criteria for 2,3,7,8-TCDD or 2,3,7,8-TCDD equivalents.
	M	Value represents the criteria for mixed Xylenes.
	T	Value represents a criteria for the total carcinogenic PAHs as BaP. Total carcinogenic PAHs are: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Chrysene and Indeno(1,2.3-cd)pyrene.

1 Total BaP equivalence (2002) calculated using zero for the detection limit on the non detected compounds.

	CAS No.	Site Conc. (mg/kg) dry weight	Relative Potency Factor	BaP Equivalent (mg/kg)
Benzo(a)anthracene	56553	0.000	0.1	0.000
Benzo(b)fluoranthene	205992	0.000	0.1	0.000
Benzo(k)fluoranthene	207089	0.000	0.1	0.000
Benzo(a)pyrene	50328	0.000	1	0.000
Chrysene	218019	0.000	0.01	0.000
Dibenz(a,h)anthracene	53703	0.000	0.56	0.000
Indeno(1,2,3-cd)pyrene	193395	0.000	0.1	0.000
		Total BaP equivalence = compare this value to the BaP criteria		0.000

Table 12
Background - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	MW-B1-001	MW-E2-009	MW-E2-209
			Sample Date	6/11/2009	6/11/2009	6/11/2009
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table				
Effective Date	5/1/2009	6/2/2009				
Exceedance Key	No Exceedance	No Exceedance				
General Parameters						
Nitrate + Nitrite	10 mg/l			9.03 mg/l	7.28 mg/l	0.08 b mg/l
Nitrogen total kjeldahl				< 0.55 mg/l	0.84 mg/l	0.60 mg/l
Perchlorate				< 8.0 ug/l	< 40.0 ug/l	< 8.0 ug/l
Metals						
Antimony	6 ug/l	6 HRL93 ug/l		< 0.50 ug/l	< 0.50 ug/l	< 0.50 ug/l
Arsenic	10 ug/l			< 10 ug/l	< 10 ug/l	< 10 ug/l
Beryllium	4 ug/l	0.08 HRL93 ug/l		< 0.50 ug/l	< 0.50 * ug/l	< 0.50 * ug/l
Cadmium	5 ug/l	4 HRL93 ug/l		< 1.0 ug/l	1.4 b ug/l	< 1.0 ug/l
Chromium	100 ug/l	100 CR ug/l		< 10 ug/l	< 10 ug/l	< 10 ug/l
Copper	1300 TT (7) ug/l			< 20 ug/l	< 20 ug/l	< 20 ug/l
Lead	15 TT(7) ug/l			< 3.0 ug/l	< 3.0 ug/l	< 3.0 ug/l
Mercury	2 ug/l			< 0.20 ug/l	< 0.20 ug/l	< 0.20 ug/l
Nickel		100 HRL93 ug/l		< 5.0 ug/l	< 5.0 ug/l	< 5.0 ug/l
Selenium	50 ug/l	30 HRL93 ug/l		< 20 ug/l	< 20 ug/l	< 20 ug/l
Silver		30 HRL93 ug/l		< 5.0 ug/l	< 5.0 ug/l	< 5.0 ug/l
Thallium	2 ug/l	0.6 HRL94 ug/l		< 0.50 ug/l	< 0.50 ug/l	< 0.50 ug/l
Zinc		2000 HRL94 ug/l		< 20 ug/l	< 20 ug/l	< 20 ug/l
SVOCs						
1,2,4-Trichlorobenzene	70 ug/l			< 0.18 ug/l	< 0.18 ug/l	< 0.18 ug/l
1,2-Dichlorobenzene	600 ug/l	600 HRL93 ug/l		< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l
1,3-Dichlorobenzene				< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l
1,4-Dichlorobenzene	75 ug/l	10 HRL94 ug/l		< 0.20 ug/l	< 0.20 ug/l	< 0.20 ug/l
2,3,4,6-Tetrachlorophenol				< 0.56 ug/l	< 0.56 ug/l	< 0.56 ug/l
2,4,5-Trichlorophenol				< 0.74 ug/l	< 0.74 ug/l	< 0.74 ug/l
2,4,6-Trichlorophenol		30 HRL93 ug/l		< 0.44 ug/l	< 0.44 ug/l	< 0.44 ug/l
2,4-Dichlorophenol		20 HRL93 ug/l		< 0.44 ug/l	< 0.44 ug/l	< 0.44 ug/l
2,4-Dimethylphenol		100 HRL93 ug/l		< 1.5 ug/l	< 1.5 ug/l	< 1.5 ug/l
2,4-Dinitrophenol		10 HRL94 ug/l		< 0.93 ug/l	< 0.93 ug/l	< 0.93 ug/l
2,4-Dinitrotoluene				< 0.31 ug/l	< 0.31 ug/l	< 0.31 ug/l
2,6-Dichlorophenol				< 0.44 ug/l	< 0.44 ug/l	< 0.44 ug/l
2,6-Dinitrotoluene				< 0.33 ug/l	< 0.33 ug/l	< 0.33 ug/l
2-Chloronaphthalene				< 0.26 ug/l	< 0.26 ug/l	< 0.26 ug/l
2-Chlorophenol		30 HRL93 ug/l		< 0.42 ug/l	< 0.42 ug/l	< 0.42 ug/l
2-Methyl-4,6-dinitrophenol				< 0.60 ug/l	< 0.60 ug/l	< 0.60 ug/l
2-Methylnaphthalene				< 0.61 ug/l	< 0.61 ug/l	< 0.61 ug/l
2-Nitroaniline				< 0.67 ug/l	< 0.67 ug/l	< 0.67 ug/l
2-Nitrophenol				< 0.83 ug/l	< 0.83 ug/l	< 0.83 ug/l
3,3`-Dichlorobenzidine		0.8 HRL93 ug/l		< 6.8 ug/l	< 6.8 ug/l	< 6.8 ug/l
3-Nitroaniline				< 1.1 ug/l	< 1.1 ug/l	< 1.1 ug/l
4-Bromophenyl phenyl ether				< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l
4-Chloro-3-methylphenol				< 0.51 ug/l	< 0.51 ug/l	< 0.51 ug/l
4-Chloroaniline				< 2.1 ug/l	< 2.1 ug/l	< 2.1 ug/l

Table 12
Background - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	MW-B1-001	MW-E2-009	MW-E2-209
		Sample Date	6/11/2009	6/11/2009	6/11/2009
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table			
4-Chlorophenyl phenyl ether			< 0.23 ug/l	< 0.23 ug/l	< 0.23 ug/l
4-Nitroaniline			< 0.55 ug/l	< 0.55 ug/l	< 0.55 ug/l
4-Nitrophenol			< 1.1 ug/l	< 1.1 ug/l	< 1.1 ug/l
Acenaphthene		400 HRL93 ug/l	< 0.33 ug/l	< 0.33 ug/l	< 0.33 ug/l
Acenaphthylene			< 0.23 ug/l	< 0.23 ug/l	< 0.23 ug/l
Aniline			< 2.0 ug/l	< 2.0 ug/l	< 2.0 ug/l
Anthracene		2000 HRL93 ug/l	< 0.34 ug/l	< 0.34 ug/l	< 0.34 ug/l
Azobenzene			< 0.22 ug/l	< 0.22 ug/l	< 0.22 ug/l
Benzidine			< 17 ug/l	< 17 ug/l	< 17 ug/l
Benzo(a)anthracene			< 0.34 ug/l	< 0.34 ug/l	< 0.34 ug/l
Benzo(a)pyrene	0.2 ug/l		< 0.27 ug/l	< 0.27 ug/l	< 0.27 ug/l
Benzo(b)fluoranthene			< 0.20 ug/l	< 0.20 ug/l	< 0.20 ug/l
Benzo(g,h,i)perylene			< 0.24 ug/l	< 0.24 ug/l	< 0.24 ug/l
Benzo(k)fluoranthene			< 0.29 ug/l	< 0.29 ug/l	< 0.29 ug/l
Benzoic Acid		30000 HRL93 ug/l	< 1.1 ug/l	< 1.1 ug/l	< 1.1 ug/l
Benzyl alcohol			< 0.50 ug/l	< 0.50 ug/l	< 0.50 ug/l
Bis(2-chloroethoxy)methane			< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l
Bis(2-chloroethyl)ether		0.3 HRL93 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l
Bis(2-chloroisopropyl)ether			< 0.18 ug/l	< 0.18 ug/l	< 0.18 ug/l
Bis(2-ethylhexyl)phthalate	6 ug/l		< 0.40 ug/l	< 0.40 ug/l	< 0.40 ug/l
Butyl benzyl phthalate		100 HRL93 ug/l	< 0.34 ug/l	< 0.34 ug/l	< 0.34 ug/l
Carbazole			< 0.24 ug/l	< 0.24 ug/l	< 0.24 ug/l
Chrysene			< 0.25 ug/l	< 0.25 ug/l	< 0.25 ug/l
Dibenz(a,h)anthracene			< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l
Dibenzofuran			< 0.36 ug/l	< 0.36 ug/l	< 0.36 ug/l
Diethyl phthalate		6000 HRL93 ug/l	< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l
Dimethyl phthalate		70000 HRL94 ug/l	< 0.22 ug/l	< 0.22 ug/l	< 0.22 ug/l
Di-n-butyl phthalate		700 HRL93 ug/l	< 0.26 ug/l	< 0.26 ug/l	< 0.26 ug/l
Di-n-octyl phthalate			< 0.35 ug/l	< 0.35 ug/l	< 0.35 ug/l
Fluoranthene		300 HRL93 ug/l	< 0.36 ug/l	< 0.36 ug/l	< 0.36 ug/l
Fluorene		300 HRL93 ug/l	< 0.37 ug/l	< 0.37 ug/l	< 0.37 ug/l
Hexachlorobenzene	1 ug/l	0.2 HRL93 ug/l	< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l
Hexachlorobutadiene		1 HRL93 ug/l	< 0.24 ug/l	< 0.24 ug/l	< 0.24 ug/l
Hexachlorocyclopentadiene	50 ug/l		< 0.29 ug/l	< 0.29 ug/l	< 0.29 ug/l
Hexachloroethane			< 0.29 ug/l	< 0.29 ug/l	< 0.29 ug/l
Indeno(1,2,3-cd)pyrene			< 0.29 ug/l	< 0.29 ug/l	< 0.29 ug/l
Isophorone		100 HRL93 ug/l	< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l
Naphthalene		300 HRL94 ug/l	< 0.34 ug/l	< 0.34 ug/l	< 0.34 ug/l
Nitrobenzene			< 0.36 ug/l	< 0.36 ug/l	< 0.36 ug/l
N-Nitrosodimethylamine			< 0.88 ug/l	< 0.88 ug/l	< 0.88 ug/l
N-Nitrosodi-n-propylamine			< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l
N-Nitrosodiphenylamine		70 HRL93 ug/l	< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l
o-Cresol		30 HRL93 ug/l	< 0.58 ug/l	< 0.58 ug/l	< 0.58 ug/l
p-Cresol		3 HRL94 ug/l	< 0.73 ug/l	< 0.73 ug/l	< 0.73 ug/l
Pentachlorophenol	1 ug/l		< 0.55 ug/l	< 0.55 ug/l	< 0.55 ug/l

Table 12
Background - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	MW-B1-001	MW-E2-009	MW-E2-209
		Sample Date	6/11/2009	6/11/2009	6/11/2009
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table			
Phenanthrene			< 0.36 ug/l	< 0.36 ug/l	< 0.36 ug/l
Phenol		4000 HRL93 ug/l	< 0.53 ug/l	< 0.53 * ug/l	< 0.53 ug/l
Pyrene		200 HRL93 ug/l	< 0.44 ug/l	< 0.44 ug/l	< 0.44 ug/l
VOCs					
1,1,1,2-Tetrachloroethane		70 HRL93 ug/l	< 0.28 ug/l	< 0.28 ug/l	< 0.28 ug/l
1,1,1-Trichloroethane	200 ug/l	9000 HRL09 (1) ug/l	< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l
1,1,2,2-Tetrachloroethane		2 HRL94 ug/l	< 0.13 ug/l	< 0.13 ug/l	< 0.13 ug/l
1,1,2-Trichloroethane	5 ug/l	3 HRL93 ug/l	< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l
1,1-Dichloro-1-propene			< 0.15 ug/l	< 0.15 ug/l	< 0.15 ug/l
1,1-Dichloroethane		100 RAA (1) ug/l	< 0.11 ug/l	< 0.11 ug/l	< 0.11 ug/l
1,1-Dichloroethylene	7 ug/l	200 HBV09 (1) ug/l	< 0.12 ug/l	< 0.12 ug/l	< 0.12 ug/l
1,2,3-Trichlorobenzene			< 0.47 ug/l	< 0.47 ug/l	< 0.47 ug/l
1,2,3-Trichloropropane		40 HRL93 ug/l	< 0.24 ug/l	< 0.24 ug/l	< 0.24 ug/l
1,2,4-Trichlorobenzene	70 ug/l		< 0.32 ug/l	< 0.32 ug/l	< 0.32 ug/l
1,2,4-Trimethylbenzene			< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l
1,2-Dibromo-3-chloropropane	0.2 ug/l		< 0.60 ug/l	< 0.60 ug/l	< 0.60 ug/l
1,2-Dibromoethane	0.05 ug/l	0.004 HRL93 ug/l	< 0.37 ug/l	< 0.37 ug/l	< 0.37 ug/l
1,2-Dichlorobenzene	600 ug/l	600 HRL93 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l
1,2-Dichloroethane	5 ug/l	4 HRL93 ug/l	< 0.18 ug/l	< 0.18 ug/l	< 0.18 ug/l
1,2-Dichloroethylene, cis	70 ug/l	50 HRL09 (1) ug/l	< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l
1,2-Dichloroethylene, trans	100 ug/l	100 HRL93 ug/l	< 0.29 ug/l	< 0.29 ug/l	< 0.29 ug/l
1,2-Dichloropropane	5 ug/l	5 HRL94 ug/l	< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l
1,3,5-Trimethylbenzene		100 HRL09 (1)(2) ug/l	< 0.18 ug/l	< 0.18 ug/l	< 0.18 ug/l
1,3-Dichloro-1-propene trans			< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l
1,3-Dichloro-1-propene, cis			< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l
1,3-Dichlorobenzene			< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l
1,3-Dichloropropane		2 HRL94 ug/l	< 0.15 ug/l	< 0.15 ug/l	< 0.15 ug/l
1,4-Dichlorobenzene	75 ug/l	10 HRL94 ug/l	< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l
2,2-Dichloropropane			< 0.58 ug/l	< 0.58 ug/l	< 0.58 ug/l
Acetone		700 HRL93 ug/l	< 2.8 ug/l	< 2.8 ug/l	< 2.8 ug/l
Allyl Chloride		30 HRL94 ug/l	< 0.76 ug/l	< 0.76 ug/l	< 0.76 ug/l
Benzene	5 ug/l	2 HRL09 (1) ug/l	< 0.093 ug/l	< 0.093 ug/l	< 0.093 ug/l
Bromobenzene			< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l
Bromochloromethane			< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l
Bromodichloromethane	80 (2) ug/l	6 HRL93 ug/l	< 0.22 ug/l	< 0.22 ug/l	< 0.22 ug/l
Bromoform	80 (2) ug/l	40 HRL93 ug/l	< 0.50 ug/l	< 0.50 ug/l	< 0.50 ug/l
Bromomethane		10 HRL93 ug/l	< 0.95 ug/l	< 0.95 ug/l	< 0.95 ug/l
Butyl benzene			< 0.32 ug/l	< 0.32 ug/l	< 0.32 ug/l
Butylbenzene sec			< 0.22 ug/l	< 0.22 ug/l	< 0.22 ug/l
Butylbenzene tert-			< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l
Carbon tetrachloride	5 ug/l	3 HRL93 ug/l	< 0.16 ug/l	< 0.16 ug/l	< 0.16 ug/l
Chlorobenzene	100 ug/l	100 HRL93 ug/l	< 0.15 ug/l	< 0.15 ug/l	< 0.15 ug/l
Chlorodibromomethane	80 (2) ug/l	10 HRL93 ug/l	< 0.50 ug/l	< 0.50 ug/l	< 0.50 ug/l
Chloroethane			< 0.46 ug/l	< 0.46 ug/l	< 0.46 ug/l
Chloroform	80 (2) ug/l	30 HRL09 (1)(2)ug/l	< 0.19 ug/l	< 0.19 ug/l	< 0.19 ug/l

Table 12
Background - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

			Sys Loc Code	MW-B1-001	MW-E2-009	MW-E2-209
			Sample Date	6/11/2009	6/11/2009	6/11/2009
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table				
Chloromethane				< 0.37 ug/l	< 0.37 ug/l	< 0.37 ug/l
Chlorotoluene o-				< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l
Chlorotoluene p-				< 0.14 ug/l	< 0.14 ug/l	< 0.14 ug/l
Cumene (isopropyl benzene)		300 HRL93 ug/l		< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l
Cymene p- (Toluene isopropyl p-)				< 0.30 ug/l	< 0.30 ug/l	< 0.30 ug/l
Dibromomethane (methylene bromide)				< 0.30 ug/l	< 0.30 ug/l	< 0.30 ug/l
Dichlorodifluoromethane (CFC-12)		700 HBV09 (1) ug/l		< 0.58 ug/l	< 0.58 ug/l	< 0.58 ug/l
Dichlorofluoromethane (CFC-21)				< 0.31 ug/l	< 0.31 ug/l	< 0.31 ug/l
Ethyl benzene	700 ug/l	700 HRL93 ug/l		< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l
Ethyl ether		1000 HRL93 ug/l		< 0.53 ug/l	< 0.53 ug/l	< 0.53 ug/l
Hexachlorobutadiene		1 HRL93 ug/l		< 0.76 ug/l	< 0.76 ug/l	< 0.76 ug/l
Methyl ethyl ketone		4000 HRL94 ug/l		< 0.67 ug/l	< 0.67 ug/l	< 0.67 ug/l
Methyl isobutyl ketone		300 HRL94 ug/l		< 1.1 ug/l	< 1.1 ug/l	< 1.1 ug/l
Methyl tertiary butyl ether (MTBE)				< 0.13 ug/l	< 0.13 ug/l	< 0.13 ug/l
Methylene chloride	5 ug/l			< 0.65 ug/l	< 0.65 ug/l	< 0.65 ug/l
Naphthalene		300 HRL94 ug/l		< 0.40 ug/l	< 0.40 ug/l	< 0.40 ug/l
Propylbenzene				< 0.13 ug/l	< 0.13 ug/l	< 0.13 ug/l
Styrene	100 ug/l			< 0.13 ug/l	< 0.13 ug/l	< 0.13 ug/l
Tetrachloroethylene	5 ug/l			< 0.20 ug/l	< 0.20 ug/l	< 0.20 ug/l
Tetrahydrofuran				< 0.77 ug/l	< 0.77 ug/l	< 0.77 ug/l
Toluene	1000 ug/l	1000 HRL93 ug/l		< 0.21 ug/l	< 0.21 ug/l	< 0.21 ug/l
Trichloroethylene	5 ug/l			< 0.20 ug/l	< 0.20 ug/l	< 0.20 ug/l
Trichlorofluoromethane		2000 HRL93 ug/l		< 0.17 ug/l	< 0.17 ug/l	< 0.17 ug/l
Trichlorotrifluoroethane (Freon 113)		200000 HRL93 ug/l		< 0.28 ug/l	< 0.28 ug/l	< 0.28 ug/l
Vinyl chloride	2 ug/l	0.2 HRL09 (1) ug/l		< 0.087 ug/l	< 0.087 ug/l	< 0.087 ug/l
Xylene m & p		10000 HRL93 ug/l		< 0.42 ug/l	< 0.42 ug/l	< 0.42 ug/l
Xylene, o-		10000 HRL93 ug/l		< 0.18 ug/l	< 0.18 ug/l	< 0.18 ug/l
Pesticides						
2,4,5-TP (Silvex)	50 ug/l			< 0.50 ug/l	< 0.59 ug/l	< 0.50 ug/l
2,4,5-Trichlorophenoxyacetic acid		70 HRL93 ug/l		< 0.50 ug/l	< 0.59 ug/l	< 0.50 ug/l
2,4-D	70 ug/l	70 HRL93 ug/l		< 0.50 ug/l	< 0.59 ug/l	< 0.50 ug/l
2,4-DB				< 0.50 ug/l	< 0.59 ug/l	< 0.50 ug/l
4,4'-DDD		1 HRL93 ug/l		< 0.034 ug/l	< 0.034 ug/l	< 0.034 ug/l
4,4'-DDE		1 HRL93 ug/l		< 0.034 ug/l	< 0.034 ug/l	< 0.034 ug/l
4,4'-DDT		1 HRL93 ug/l		< 0.039 ug/l	< 0.039 ug/l	< 0.039 ug/l
a-BHC				< 0.042 ug/l	< 0.042 ug/l	< 0.042 ug/l
Acetochlor		9 HRL09 ug/l		< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Alachlor (Lasso)	2 ug/l	5 HRL09 (1) ug/l		< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Aldrin				< 0.036 ug/l	< 0.036 ug/l	< 0.036 ug/l
Atrazine (Primatol)	3 (6) ug/l			< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
b-BHC				< 0.049 ug/l	< 0.049 ug/l	< 0.049 ug/l
Bentazone				< 0.50 ug/l	< 0.59 ug/l	< 0.50 ug/l
Chlordane, cis				< 0.035 ug/l	< 0.035 ug/l	< 0.035 ug/l
Chlorpyrifos (Lorsban)				< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Cyanazine (Bladex)		1 HRL09 (1) ug/l		< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l

Table 12
Background - Groundwater Sampling Results
Phase II Investigation SOCs 1-3 and 6-7
UMore Mining Area
Dakota County, Minnesota

		Sys Loc Code	MW-B1-001	MW-E2-009	MW-E2-209
		Sample Date	6/11/2009	6/11/2009	6/11/2009
Chemical Name	EPA Maximum Contaminant Limit	MN GW Values Table			
d-BHC			< 0.043 ug/l	< 0.043 ug/l	< 0.043 ug/l
Deisopropyl atrazine			< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Desethylatrazine			< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Dicamba		200 HRL93 ug/l	< 0.50 ug/l	< 0.59 ug/l	< 0.50 ug/l
Dieldrin		0.006 HRL09 (1) ug/l	< 0.034 ug/l	< 0.034 ug/l	< 0.034 ug/l
Dimethenamid			< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Dinoseb (DNBP)	7 ug/l		< 0.50 ug/l	< 0.59 ug/l	< 0.50 ug/l
Endosulfan I			< 0.037 ug/l	< 0.037 ug/l	< 0.037 ug/l
Endosulfan II			< 0.038 ug/l	< 0.038 ug/l	< 0.038 ug/l
Endosulfan Sulfate			< 0.042 ug/l	< 0.042 ug/l	< 0.042 ug/l
Endrin	2 ug/l		< 0.039 ug/l	< 0.039 ug/l	< 0.039 ug/l
Endrin Aldehyde			< 0.047 ug/l	< 0.047 ug/l	< 0.047 ug/l
Endrin Ketone			< 0.039 ug/l	< 0.039 ug/l	< 0.039 ug/l
EPTC (Eradicane)		200 HRL93 ug/l	< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Ethalfluralin (Sonalan)			< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Fonofos (Dyphonate)			< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
g-BHC (Lindane)	0.2 ug/l		< 0.044 ug/l	< 0.044 ug/l	< 0.044 ug/l
g-Chlordane			< 0.034 ug/l	< 0.034 ug/l	< 0.034 ug/l
Heptachlor	0.4 ug/l	0.08 HRL93 ug/l	< 0.036 ug/l	< 0.036 ug/l	< 0.036 ug/l
Heptachlor Epoxide	0.2 ug/l	0.04 HRL93 ug/l	< 0.038 ug/l	< 0.038 ug/l	< 0.038 ug/l
MCPA		3 HRL93 ug/l	< 0.30 ug/l	< 0.35 ug/l	< 0.30 ug/l
Methoxychlor	40 ug/l		< 0.042 ug/l	< 0.042 ug/l	< 0.042 ug/l
Metolachlor (Dual)		300 HBV09 (1) ug/l	< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Metribuzin			< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Pendimethalin (Prowl)			< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Pentachlorophenol	1 ug/l		< 0.50 ug/l	< 0.59 ug/l	< 0.50 ug/l
Phorate (Thimet)			< 1.0 ** ug/l	< 1.2 ** ug/l	< 1.0 ** ug/l
Picloram	500 ug/l	500 HRL93 ug/l	< 0.50 ug/l	< 0.59 ug/l	< 0.50 ug/l
Prometon (Pramitol)		100 HRL93 ug/l	< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Propachlor			< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Propazine (Milogard)			< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Simazine (Princep)	4 ug/l		< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Terbufos (Counter)			< 1.0 * ug/l	< 1.2 * ug/l	< 1.0 * ug/l
Toxaphene	3 ug/l	0.3 HRL93 ug/l	< 0.18 ug/l	< 0.18 ug/l	< 0.18 ug/l
Triallate (Far-Go)			< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Triclopyr			< 0.50 ug/l	< 0.59 ug/l	< 0.50 ug/l
Trifluralin (Treflan)			< 0.50 ug/l	< 0.60 ug/l	< 0.50 ug/l
Explosives					
Nitrocellulose			< 0.50 mg/l	< 0.50 mg/l	< 0.50 mg/l

Data Qualifiers/Footnotes - Groundwater	
Qualifier	**Definition**
--	Not analyzed/not available.
a	Estimated value, calculated using some or all values that are estimates.
b	Potential false positive value based on blank data validation procedures.
c	Coeluting compound.
e	Estimated value, exceeded the instrument calibration range.
h	EPA recommended sample preservation, extraction or analysis holding time was exceeded.
I	Indeterminate value based on failure of blind duplicate data to meet quality assurance criteria.
j	Reported value is less than the stated laboratory quantitation limit and is considered an estimated value.
p	Relative percent difference is >40% (25% CLP pesticides) between primary and confirmation GC columns.
r	The presence of the compound is suspect based on the ID criteria of the retention time and relative retention time obtained from the examination of the chromatograms.
*	Estimated value, QA/QC criteria not met.
**	Unusable value, QA/QC criteria not met.
NA	NA indicates that a fractional portion of the sample is not part of the analytical testing or field collection procedures.
ND	Not detected.

Criteria Footnotes - Groundwater

	Qualifier	Definition
EPA Maximum Contaminant Level	(1)	When acrylamide is used in drinking water systems, the combination (or product) of dose and monomer level shall not exceed that equivalent to a polyacrylamide polymer containing 0.05% monomer dosed at 1 mg/L.
	(14)	Millirems per years.
	(15)	Picocuries per liter.
	(2)	1998 Final Rule for Disinfectants and Disinfection By-products: The total for trihalomethanes is 0.08 mg/L.
	(3)	The MCL value for any combination of two or more of these three chemicals (Aldicarb, Aldicarb sulfone, Aldicarb sulfoxide) should not exceed 0.007 mg/L because of similar mode of action.
	(5)	No more than 5.0% samples total coliform-positive in a month. Every sample that has total coliforms must be analyzed for fecal coliforms; no fecal coliforms are allowed.
	(6)	Under review.
	(7)	Copper action level at 1.3 mg/L, Lead action level at 0.015 mg/L
	(8)	Proposed 7/2001 arsenic rule states that the Jan. 2001 MCL of 10 ppb will not be enforced until 2006, and is still being evaluated at 3,5,10,20 ppb.
	TT	Treatment technique.
MN GW Values Table	(1)	Value is representative of the most conservative exposure duration published in the Minnesota Department of Health Groundwater Values Table.
	(2)	Set at short term HRL.
	HBV	Health Based Value.
	HRL	Health Risk Limit.
	RAA	Risk Assessment Advice.
	CR	Value represents the criteria for Chromium, hexavalent.