

HAND DELIVERED

October 24, 2018

Illinois Environmental Protection Agency
Bureau of Land
Remedial Project Management Section
Site Remediation Program
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

**Subject: Former Dixon Iron & Metal Company
 78 Monroe Avenue
 Dixon, Illinois 61021
 Site Remediation Program/Technical Reports**

Dear Project Manager:

Fehr-Graham & Associates LLC (Fehr Graham) has completed the *Comprehensive Site Investigation Report (CSIR)* for the above-reference site. Please find enclosed one (1) original and one (1) copy of the report. A signed DRM-2 is also attached.

Should you have any questions or comments, please do not hesitate to contact us.

Sincerely,



Ross A. Grimes
Project Manager



Ann E. Ray, PG
Project Hydrogeologist

RAG/AER:cld

Enclosures

cc: Danny Langloss, City of Dixon (w/Electronic Enc.)

O:\Dixon, City of\17-570H\Final\Phase II ESAs\PH02E1 - DIMCO\17-570H-PH02E1 - IEPA 2018-10-24 CSIR Cover Letter.docx



Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Site Remediation Program Form (DRM-2) (To be Submitted with all Plans and Reports)

You may complete this form online, save a copy, print, sign and mail it to the address above.


I. Site Identification:

Site Name:	Dixon Iron & Metal Company (DIMCO)		
Street Address:	78 Monroe Avenue	P.O. Box:	
City:	Dixon	State:	IL Zip Code: 61021 Phone:
Illinois Inventory ID Number:	IEMA Incident Number:		

II. Remediation Applicant:

Applicant's Name:	Mr./Ms. Mr. Danny Langloss		
Company:	City of Dixon, Illinois		
Street Address:	121 West 2nd Avenue	P.O. Box:	
City:	Dixon	State:	IL Zip Code: 61021 Phone: 815-288-1485
Email Address:	danny.langloss@discoverdixon.org		

I hereby request that the Illinois EPA review and evaluate the attached project documents in accordance with the terms and conditions of the Environmental Protection Act (415 ILCS 5), implementing regulations, and the review and evaluation services agreement.

Remediation Applicant's Signature:  Date: 10/23/12

III. Contact Person for Remediation Applicant:

Contact's Name:	Mr./Ms.		
Company:			
Street Address:		P.O. Box:	
City:		State:	Zip Code: Phone:
Email Address:			

Contact Person for Consultant:

Contact's Name:	Mr./Ms. Mr. Ross Grimes		
Company:	Fehr Graham		
Street Address:	200 Prairie Street, Suite 208	P.O. Box:	
City:	Rockford	State:	IL Zip Code: 61107 Phone: 815-394-4700
Email Address:	rgrimes@fehr-graham.com		

IV. Review & Evaluation Licensed Professional Engineer or Geologist ("RELPEG"), if applicable:

RELPEG's Name:	Mr./Ms.		
Company:			
Street Address:		P.O. Box:	
City:		State:	Zip Code: Phone:
Email Address:			

V. Project Documents Being Submitted:

Page 3 of 4

Document Title: <u>Site Investigation Report</u>	Date of Preparation of Plan or Report: <u>10/24/2018</u>
Prepared by: <u>Fehr Graham</u>	Prepared For: <u>City of Dixon</u> <u>IEPA SRP</u>
<u>Type of Document Submitted:</u>	
<input checked="" type="checkbox"/> Site Investigation Report - Comprehensive <input type="checkbox"/> Site Investigation Report - Focused <input type="checkbox"/> Remediation Objectives Report - Tier 1 or 2 <input type="checkbox"/> Remediation Objectives Report - Tier 3 <input type="checkbox"/> Remedial Action Plan <input type="checkbox"/> Remedial Action Completion Report	<input type="checkbox"/> Sampling Plan <input type="checkbox"/> Health and Safety Plan <input type="checkbox"/> Community Relations Plan <input type="checkbox"/> Risk Assessment <input type="checkbox"/> Containment Fate & Transport Modeling <input type="checkbox"/> Other: _____

Document Title: _____	Date of Preparation of Plan or Report: _____
Prepared by: _____	Prepared For: _____
<u>Type of Document Submitted:</u>	
<input type="checkbox"/> Site Investigation Report - Comprehensive <input type="checkbox"/> Site Investigation Report - Focused <input type="checkbox"/> Remediation Objectives Report - Tier 1 or 2 <input type="checkbox"/> Remediation Objectives Report - Tier 3 <input type="checkbox"/> Remedial Action Plan <input type="checkbox"/> Remedial Action Completion Report	<input type="checkbox"/> Sampling Plan <input type="checkbox"/> Health and Safety Plan <input type="checkbox"/> Community Relations Plan <input type="checkbox"/> Risk Assessment <input type="checkbox"/> Containment Fate & Transport Modeling <input type="checkbox"/> Other: _____

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VI. Professional Engineer's or Geologist's Seal or Stamp:

I attest that all site investigations or remedial activities that are subject of this plan(s) or report(s) were performed under my direction, and this document and all attachments were prepared under my direction or reviewed by me, and to the best of my knowledge and belief, the work described in the plan and report has been designed or completed in accordance with the Illinois Environmental Protection Act (415 ILCS 5), 35 Ill. Adm. Code 740, and generally accepted engineering practices or principles of professional geology, and the information presented is accurate and complete.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 Felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Engineer's or Geologist's Name: Ann E. Ray, P.G.

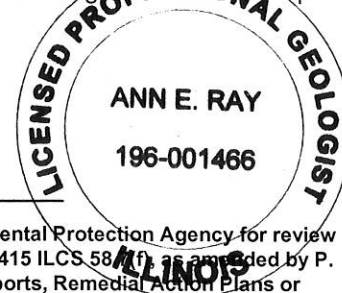
Company: Fehr Graham

Registration Number: 196.001466 Phone: 815-394-4700

License Expiration Date: 03/31/2019

Signature: *Ann E. Ray* Date: 10/23/18

Professional Engineer's or
Geologist's Seal or Stamp:



Note: The authority of a Licensed Professional Geologist to certify documents submitted to the Illinois Environmental Protection Agency for review and evaluation pursuant to Title XVII of the Environmental Protection Act is limited to Site Investigation Reports (415 ILCS 58/11), as amended by P. A. 92-0735, effective July 25, 2002. A Licensed Professional Geologist cannot certify Remediation Objectives Reports, Remedial Action Plans or Remedial Action Completion Reports.

All information submitted is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines. The Illinois EPA is authorized to require this information under Sections 415 ILCS 5/58 - 58.12 of the Environmental Protection Act and regulations promulgated thereunder. Disclosure of this information is required as a condition of participation in the Site Remediation Program. Failure to do so may prevent this form from being processed and could result in your plan(s) or report(s) being rejected. This form has been approved by the Forms Management Center.

COMPREHENSIVE SITE INVESTIGATION REPORT

Former Dixon Iron & Metal Company
78 Monroe Avenue
Dixon, Illinois 61021

CA No. BF-00E02297

Project No.: 17-570H / PH02E1

October 24, 2018



200 Prairie Street

Suite 208

Rockford, Illinois 61107

Prepared for:

City of Dixon

121 West 2nd Street

Dixon, Illinois 61021

Table of Contents

	<u>Page</u>
EXECUTIVE SUMMARY	0-1
1.0 INTRODUCTION	1-1
2.0 SITE CHARACTERIZATION	2-2
2.1 Site Description	2-2
2.2 Uses of Site and Surrounding Area	2-2
2.3 Regional Geology and Hydrogeology	2-3
2.4 Site History and Recognized Environmental Conditions	2-3
2.5 Constituents of Concern	2-4
2.6 Migratory Pathways and Exposure Routes.....	2-4
2.6.1 Potential Exposure Routes.....	2-4
2.6.2 Potable Water Well Survey	2-5
2.6.3 Migratory Pathways.....	2-6
3.0 SITE-SPECIFIC SAMPLING PLAN	3-1
3.1 Initial Phase II ESA	3-1
3.1.1 Soil Sampling.....	3-1
3.1.2 Groundwater Sampling	3-2
3.1.3 Soil Gas Sampling	3-2
3.2 Additional Focused Phase II ESA	3-3
3.2.1 Soil Sampling.....	3-3
3.2.2 Groundwater Sampling	3-4
3.2.3 Free Product Characterization.....	3-5
3.2.4 Soil Gas Sampling	3-5
4.0 DOCUMENTATION OF FIELD ACTIVITIES.....	4-1
4.1 Initial Phase II ESA	4-1
4.1.1 Soil Investigation.....	4-1
4.1.2 Groundwater Investigation	4-1
4.1.3 Soil Gas Investigation.....	4-2
4.2 Additional Focused Phase II ESA	4-3
4.2.1 Stage 1 Soil Investigation	4-3
4.2.2 Stage 2 Soil Investigation	4-4
4.2.3 Groundwater Sampling and Free Product Assessment	4-4

Table of Contents

	<u>Page</u>
4.2.4 Hydrogeologic Investigation	4-5
4.3 Quality Assurance	4-6
5.0 RESULTS	5-1
5.1 Site Geology and Hydrogeology	5-1
5.2 Soil Investigation Results	5-1
5.2.1 VOC Results in Soil	5-2
5.2.2 SVOC Results in Soil	5-2
5.2.3 Metal Results in Soil	5-3
5.2.4 PCB Results in Soil	5-6
5.2.5 Pesticides Results in Soil	5-6
5.2.6 Fraction Organic Carbon Results	5-6
5.3 Groundwater Sample Results	5-7
5.3.1 VOC Results in Groundwater	5-7
5.3.2 SVOC Results in Groundwater	5-7
5.3.3 Inorganic Results in Groundwater	5-8
5.3.4 PCB Results in Groundwater	5-8
5.3.5 Pesticide Results in Groundwater	5-8
5.4 Free Product Characterization Results	5-8
5.5 Soil Gas Results	5-9
6.0 ENDANGERMENT ASSESSMENT	6-1
6.1 Outdoor Inhalation Exposure Route	6-1
6.2 Indoor Inhalation Exposure Route	6-3
6.3 Soil Ingestion Exposure Route	6-4
6.4 Groundwater Ingestion Exposure Route	6-7
6.4.1 Soil Component to Groundwater Ingestion	6-7
6.4.2 Groundwater Component to Groundwater Ingestion	6-9
7.0 CONCLUSION	7-1
8.0 REFERENCES	8-1

Table of Contents

Figures

Figure 1 - Site Vicinity Map

Figure 2 - Site Base Map

Figure 3 - Sample Location Map

Figure 4 - Geologic Cross-Sections

Figure 4A - Geologic Cross-Sections - Location Layout

Figure 4B - Geologic Cross-Sections - A-A'

Figure 4C - Geologic Cross-Sections - B-B'

Figure 4D - Geologic Cross-Sections - C-C'

Figure 5 - Potentiometric Surface Map

Figure 6 - Volatile Organic Compound Exceedances in Soil

Figure 7 - Semi-Volatile Organic Compound Exceedances in Soil

Figure 8 - Inorganic Exceedances in Soil

Figure 8A - Inorganic Exceedances in Soil - Antimony

Figure 8B - Inorganic Exceedances in Soil - Arsenic

Figure 8C - Inorganic Exceedances in Soil - Lead

Figure 8D - Inorganic Exceedances in Soil - Mercury

Figure 8E - Inorganic Exceedances in Soil - Other Metals

Figure 9 - PCB Exceedances in Soil

Figure 10 - PCB Isoconcentrations

Figure 10A - PCB Isoconcentrations - 0-2 feet bgs

Figure 10B - PCB Isoconcentrations - 2-4 feet bgs

Figure 10C - PCB Isoconcentrations - 4-6 feet bgs

Figure 10D - PCB Isoconcentrations - 6-8 feet bgs

Figure 10E - PCB Isoconcentrations - 8-10 feet bgs

Figure 10F - PCB Isoconcentrations - 10-12 feet bgs

Figure 10G - PCB Isoconcentrations - 12-14 feet bgs

Figure 10H - PCB Isoconcentrations - 14-16 feet bgs

Figure 10I - PCB Isoconcentrations - 16-18 feet bgs

Figure 10J - PCB Isoconcentrations - 18-20 feet bgs

Figure 11 - Exceedances in Groundwater

Figure 12 - Outdoor Inhalation Exposure Route Exceedances

Table of Contents

Figure 13 - Indoor Inhalation Exposure Route Exceedances

Figure 14 - Soil Ingestion Exposure Route Exceedances

Figure 15 - Soil Component to the Groundwater Ingestion Exposure Route Exceedances

Figure 16 - Groundwater Ingestion Exposure Route Exceedances

Tables

Table 1 - Sample and Analysis Summary

Table 2 - Groundwater Elevation Summary

Table 3 - Soil Analytical Results

Table 3A - Soil Analytical Results - Volatile Organic Compounds

Table 3B - Soil Analytical Results - Semi-Volatile Organic Compounds

Table 3C - Soil Analytical Results - Metals & Polychlorinated Biphenyls

Table 3D - Soil Analytical Results - Pesticides

Table 4 - Groundwater Analytical Results

Table 4A - Groundwater Analytical Results - Volatile Organic Compounds

Table 4B - Groundwater Analytical Results - Semi-Volatile Organic Compounds

Table 4C - Groundwater Analytical Results - Inorganics & Polychlorinated Biphenyls

Table 4D - Groundwater Analytical Results - Pesticides

Table 5 - Soil Gas Sample Analytical Results

Table 6 - Exposure Route Exceedance Summary

Table 6A - Exposure Route Exceedances - Soil Results

Table 6B - Exposure Route Exceedances - Groundwater Results

Appendices

Appendix A - Legal Description

Appendix B - Potable Water Well Survey Documentation

Appendix C - Soil Boring Logs

Appendix D - Hydraulic Conductivity Test Analysis

Appendix E - Laboratory Analytical Reports

EXECUTIVE SUMMARY

Fehr Graham & Associates, LLC (Fehr Graham) has prepared this *Comprehensive Site Investigation Report (CSIR)* on behalf of the City of Dixon (Remedial Applicant) for the former Dixon Iron & Metal Company (DIMCO) property located at 78 Monroe Avenue in Dixon, Lee County, Illinois (Site). The purpose of this *CSIR* is to describe environmental investigation activities and findings in pursuit of Site closure through the Illinois Environmental Protection Agency (Illinois EPA) Site Remediation Program (SRP).

The Site is comprised of approximately 3.13 acres of land in a residential and industrial area on the south side of the Rock River, approximately 0.25 miles west of downtown Dixon. The City of Dixon considers the Site and surrounding parcels as a significant part of the larger redevelopment area initiative identified as Viaduct Point. The Viaduct Point redevelopment area includes parcels located north of West 1st Street, between Peoria Avenue to the east, and the railroad viaducts to the west. Given the acreage and riverfront exposure, the DIMCO site is a cornerstone parcel of Viaduct Point and will be a catalyst for future redevelopment. Specific redevelopment plans include the extension of a recreational path through the northern portion of the Site, connecting to a boardwalk featuring leading to the west adjacent rail embankment.

The Site was first developed for industrial purposes in the early 1900s, with primary historical operations consisting of junkyard and scrap metal recycling from approximately 1910 to 2017. Environmental assessment activities were initiated with a Phase I Environmental Site Assessment (ESA) in April 2017. The Phase I ESA identified recognized environmental conditions (RECs) pertaining to historical scrap metal/junkyard operations including the storage and handling of scrap materials with the potential to contain PCB oils, and the use of underground and aboveground storage tanks, hydraulic equipment, and a rail spur.

Based on the findings of the Phase I ESA, the City of Dixon performed an Initial Phase II ESA in August 2017 to evaluate potential soil, groundwater, and soil gas impacts associated with former Site operations. Samples were submitted for laboratory analysis of a comprehensive list of analytes related to historical site operations and identified RECs, including the following parameters:

- Target Compound List (TCL) volatile organic compounds (VOCs)
- TCL semi-volatile organic compounds (SVOCs)
- TCL metals
- Pesticides
- Polychlorinated biphenyls (PCBs)

The Phase II ESA identified concentrations of select VOCs, SVOCs, metals, and PCBs above the Illinois EPA *Tiered Approach to Corrective Action Objectives (TACO)* Tier 1 soil remediation objectives (SROs) and groundwater remediation objectives (GROs) for residential receptors and Class I groundwater. In addition, free phase light non-aqueous phase liquid (LNAPL) was observed on top of the water column in one (1) of the groundwater monitoring wells.

Based on these findings, the City of Dixon performed an additional Focused Phase II ESA in July and August 2018 to further characterize identified Site impacts. Soil samples collected during the additional Focused Phase II ESA were submitted for laboratory analysis of one or more of the following parameters identified exceeding Tier 1 SROs during the Initial Phase II ESA:

- TCL VOCs
- TCL SVOCs
- Reduced metals list (antimony, arsenic, copper, chromium, lead, mercury, selenium)
- PCBs

In addition, soil samples were analyzed for hexavalent chromium to speciate total chromium concentrations into hexavalent and trivalent oxidation states and thereby identify the potential leachability and toxicity of the total chromium identified at the Site. The additional Focused Phase II ESA included re-sampling and evaluation of free phase product thickness and composition in one (1) groundwater monitoring well.

The combined Phase II Site investigations identified the following constituents in soil and/or groundwater exceeding one or more remediation objective:

VOCs

- | | |
|-----------------------|-----------------------------|
| • Benzene | • Trans-1,3-Dichloropropene |
| • Ethylbenzene | • 1,1,2-Trichloroethane |
| • 1,2-Dichloropropane | • Xylenes, total |

SVOCs

- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Bis(2-ethylhexyl)phthalate
- Carbazole
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- 2-Methylnaphthalene
- Pentachlorophenol

Metals

- Arsenic
- Antimony
- Copper
- Lead
- Manganese
- Mercury
- Selenium
- Zinc

PCBs, total

The greatest distribution and highest-level impacts were identified for PCBs and select metals, primarily antimony, arsenic, lead, and mercury.

Chemical concentrations were identified exceeding the soil ingestion and inhalation exposure route for residential and construction worker receptors, the indoor inhalation exposure route for residential receptors, and the soil and groundwater components to the groundwater ingestion exposure route. In addition, lead was identified in select samples at concentrations exceeding the toxicity characteristic threshold by toxicity characteristic leaching procedure (TCLP) analysis, PCBs were found in excess of 50 parts per million (ppm), and free product light non-aqueous phase liquid (LNAPL) was observed. Remediation is required at the Site to mitigate risk to human health and the environment from impacted soil and groundwater.

The Phase II ESA Site investigations have provided a robust dataset that has substantially characterized the Site. This *CSIR* has been prepared to document Site characterization and in preparation for establishing remediation objectives and a remediation strategy under the supervision of the Illinois EPA SRP.

1.0 INTRODUCTION

Fehr Graham & Associates, LLC (Fehr Graham) has completed this *Comprehensive Site Investigation Report (CSIR)* for the former Dixon Iron & Metal Company (DIMCO) property located at 78 Monroe Avenue in Dixon, Lee County, Illinois (Site).

This *CSIR* has been prepared on behalf of the City of Dixon (Remedial Applicant) in accordance with Title 35 of the Illinois Administrative Code (35 IAC) Part 740 Subpart D, for review and approval by the Illinois Environmental Protection Agency (Illinois EPA) Site Remediation Program (SRP). Site investigations and evaluation of data have been performed within the framework of 35 IAC Part 742, *Tiered Approach to Corrective Action Objectives (TACO)*. The purpose of this submittal is to describe Site investigation activities and findings in pursuit of a comprehensive No Further Remediation (NFR) determination through the Illinois EPA SRP.

The investigation and reporting efforts have been completed with the assistance of the Illinois EPA Office of Site Evaluation (OSE) and partially funded utilizing the City of Dixon's United States Environmental Protection Agency (USPEA) Brownfields Hazardous Assessment Grant administered under Cooperative Agreement Number BF-00E0-2297.

2.0 SITE CHARACTERIZATION

2.1 Site Description

The Site consists of two (2) irregularly-shaped parcels of land encompassing approximately 3.13 acres. The Rock River bounds the Site to the north, Madison Street bounds the Site to the east, and Monroe Avenue is situated to the west and south. The Site is associated with parcel index numbers 08-05-127-005 and 08-05-131-015 and is transected by a utility corridor/former right-of-way (River Street) which runs approximately parallel to the Rock River. The common address of the Site is 78 Monroe Avenue, Dixon, Illinois 61021.

Localized topography is relatively flat, but descends approximately 10 feet from south to north across the Site in the direction of the north-adjacent Rock River. Berms of soil/debris are built up along portions of the northern and eastern Site boundaries. The Site Vicinity Map is provided as Figure 1 and the Site Layout Map is included as Figure 2. The legal description is included in Appendix A.

2.2 Uses of Site and Surrounding Area

The Site is located in a residential and industrial area approximately 0.25 miles west of downtown Dixon. Historical uses of the Site included scrap metal recycling/junkyard operations. There are no active operations on the Site, which contains five (5) vacant buildings, including an office and four (4) industrial/storage buildings. Miscellaneous residual debris from historical scrap metal recycling operations is present in the interior and exterior portions of the Site. The uses of the surrounding area consist of the following:

- South: Private residences and a vacant industrial facility (former Knack Property)
- East: Utility-owned industrial properties
- West: Utility-owned industrial storage yard and former railroad embankment
- North: Rock River

The proposed future use of the Site and surrounding area includes a recreational path and potential mixed-use commercial and residential development.

2.3 Regional Geology and Hydrogeology

According to the Illinois State Geological Survey (ISGS) map Quaternary Deposits of Illinois (1979), the Site is situated within a region characterized by the Esmond Till Member of the Wedron Formation (silty clay; gray till) and the Mackinaw Member of the Henry Formation (sand and gravel overlain by Peoria loess). The Stack-Unit Mapping of Geologic Materials in Illinois to a Depth of 15 Meters (Berg & Kempton, 1988) further describes the geologic setting of the Site as having less than six (6) meters of Cahokia alluvium or Peoria loess over less than six (6) meters of Glasford Formation loamy and sandy diamictons. These deposits are underlain by Ordovician carbonate bedrock, primarily Platteville and Galena Group dolomite (ISGS Bedrock Geology of Illinois, 2005). Site-specific geologic and hydrogeologic conditions identified during Site investigation activities are described further in *Section 5.1*.

2.4 Site History and Recognized Environmental Conditions

The Site was first developed for industrial purposes in the late 1890s, with historical uses including carpentry, lumber, coal, gravel, warehousing, and junkyard. At least a portion of the Site was operated as a junkyard/scrap metal recycling facility from approximately 1910 to 2017 and was most recently identified as Dixon Iron and Metal Company.

Fehr Graham performed a Phase I Environmental Site Assessment (ESA) at the Site in April 2017 and identified the following recognized environmental conditions (RECs):

- Historical scrap metal and junkyard operations beginning as early as 1910, which included the use and storage of various petroleum-based products, hydraulic balers and cranes, and potential PCB-containing scrap components.
- Multiple historical operations including lumber, coal, gravel, and filling/dumping and use of an on-Site rail spur from approximately 1902 to 1959.
- The use of a former 2,000-gallon diesel underground storage tank (UST), removed in 1989, with UST removal soil confirmation samples indicating the presence of hydrocarbons below the tank.
- The historical use of a diesel aboveground storage tank (AST) at the Site on a permeable ground surface.
- Former automotive maintenance, repair, and fuel storage on the south adjacent site at 501 West 1st street. A closed leaking UST (LUST) incident documented hydrocarbon contamination that was not further addressed.
- The current vehicle fueling, associated fuel USTs, and past fuel storage on the Nicor West Service Yard, located on the southwest adjacent site.

- Historical railroad line on the west adjacent site from at least 1891 to 1996.

Based on the findings of the Phase I ESA, the City of Dixon conducted Phase II ESA activities, including an initial Phase II ESA and an additional Focused Phase II ESA to evaluate the extent to which the Site soil, groundwater, and soil gas have been impacted by the identified RECs. Scrap metal recycling operations were discontinued in 2017 following the Phase I ESA and initial Phase II ESA, and the Site is currently vacant. An updated Phase I ESA was completed August 1, 2018.

2.5 Constituents of Concern

The constituents of concern (COC) at the Site include the following:

- Target Compound List (TCL) volatile organic compounds (VOCs)
- TCL semi-volatile organic compounds (SVOCs)
- TCL metals
- TCL pesticides
- Polychlorinated Biphenyls (PCBs)

2.6 Migratory Pathways and Exposure Routes

Given the prospective future land use including recreational areas and potential mixed-use commercial and residential structures, potential exposure to contamination at the Site has been evaluated for residential and construction worker populations.

2.6.1 Potential Exposure Routes

Exposure pathways that have the potential to be complete at the Site are soil ingestion, outdoor inhalation, indoor inhalation, and groundwater ingestion. These exposure routes are currently incomplete, given that the Site is presently inactive/vacant. However, the listed exposure routes have the potential to be complete given future land use changes, including construction or demolition activities. Furthermore, the Site is generally not covered in asphalt or concrete, leaving the potential for the soil ingestion and inhalation exposure routes to be complete for any authorized and unauthorized Site entrants or occupants.

Exposure pathways that have the potential to be complete off-Site due to the migration of contamination from the Site include surface water exposure pathways for human and biota receptors, off-site groundwater ingestion, and off-site indoor inhalation. The surface water exposure pathways may be complete if groundwater contamination migrates off-Site to the down-gradient Rock River, which is located immediately adjacent to the Site. The indoor inhalation exposure route has the potential to be complete for off-Site receptors in the case that volatile constituents migrate from the Site in groundwater or soil vapor and enter indoor air through cracks in the building foundation. The nearest identified off-Site structures are private residences and a vacant industrial structure located within one (1) to 50 feet south (up-gradient) of the Site. The potential for off-Site groundwater ingestion exposure is evaluated based on the potable water well survey.

2.6.2 Potable Water Well Survey

Fehr Graham conducted a search of all potable water wells located within 1,000 feet of the Site and all community water supply (CWS) wells located within 2,500 feet of the Site to identify potential receptors to the groundwater ingestion exposure route. This assessment was performed using available data from the Illinois EPA Source Water Assessment Protection Program (SWAP) database, the ISGS Illinois Water Well (ILWATER) Interactive Map, and records obtained from the Illinois Department of Public Health (IDPH) and Illinois State Water Survey (ISWS).

The Illinois EPA SWAP and ISGS ILWATER databases identified no private or non-community water wells within 1,000 feet of the Site and no community water supply wells within 2,500 feet of the Site. Records obtained from the IDPH included 30 non-community public water supply wells located in Dixon; however, based on well location/address information provided, none of the identified non-community public water supply wells are located within 1,000 feet of the Site. Records obtained from the ISWS included 14 private water wells located within the township, range, and section of the Site. Further review of the identified private wells revealed that three (3) of the wells are located within 1,000 feet of the Site, as summarized in *Table 2.1*.

*Table 2.1
Nearby Water Wells*

Well ID	Source	Depth (ft)	Date Drilled	Owner	Distance from Site (ft)	Direction
85646	ISWS	80	Unknown	BF Shaw	986	East
Unknown	ISWS	160	1937	Illinois Northern Utilities Co (Office)	130	East
Unknown	ISWS	65	1951	Public Service Co of Northern Illinois (Garage)	190	East

Based on the proximity of the Site and nearby water wells to the westward-flowing Rock River, the identified private wells located east of the Site are up-gradient and, therefore, not likely to be impacted by conditions on the Site.

Documentation from the water well survey, including SWAP outputs, a location map for wells identified within the specified search distances, and records received from IDPH and ISWS, are included in Appendix B.

2.6.3 Migratory Pathways

Thorough evaluation of exposure pathways includes consideration of potential subsurface migration of contamination to off-Site receptors, which may occur based on local/regional geologic and hydrogeologic conditions and/or through natural or manmade preferential pathways.

Subsurface geologic materials generally consist of variable fill, silt, and sand, with no discernible natural preferential pathways.

Potential manmade preferential migratory pathways are noted in Figure 2, and include the following:

- Underground utilities in the off-Site utility corridor which transects the Site parcels.
- An unidentified private utility line (possible storm/gutter drainage) discovered during utility locating associated with Site investigation/soil boring activities, which appeared to run north from the Property buildings towards the Rock River.
- Three (3) backfilled former equipment pits were observed in the buildings. It is believed that the pits are completely concrete-lined; however, their presence may

present the potential for a preferential pathway for vapor migration to indoor air, or a pathway for introduction of contaminants to the subsurface.

No other natural or preferential migratory pathways were identified on the Site.

3.0 SITE-SPECIFIC SAMPLING PLAN

3.1 Initial Phase II ESA

With assistance from Illinois EPA OSE, Fehr Graham conducted the initial Phase II ESA in May and June 2017, consisting of the following tasks:

- Advancement of 16 investigation soil borings (SB1 - SB17; SB15 omitted due to utilities)
- Installation of four (4) groundwater monitoring wells (MW1 - MW4)
- Installation of three (3) soil gas implants (SG1 - SG3)
- Collection of 32 soil samples, four (4) groundwater samples, and three (3) soil gas samples, and two (2) duplicate soil samples and one (1) duplicate groundwater sample for quality assurance

The locations of soil borings, monitoring wells, and soil gas implants were strategically placed based on the RECs identified in the Phase I ESA. The Phase I ESA and initial Phase II ESA included evaluation of the south-adjacent property (former Knack property). As such, soil boring locations SB1, SB2, and SB3, monitoring well MW1, and soil gas well SG1 are located off-Site. The sample summary and analysis schedule are provided in Table 1. The sample locations are presented in Figure 3.

3.1.1 Soil Sampling

During the initial Phase II ESA, two (2) soil samples were collected from each boring for laboratory analysis. A shallow soil sample was collected in the upper three (3) feet of each investigation boring, and a second soil sample was collected from a depth interval between three (3) feet below ground surface (bgs) and the observed groundwater interface (water table). Specific soil sample depth intervals were determined through visual and olfactory methods combined with photoionization detector (PID) and x-ray fluorescence (XRF) readings.

A total of 34 soil investigation samples (including duplicates) were collected and submitted by OSE to the Illinois EPA laboratory for analysis. Soil samples were analyzed for pH and the following list of analytes:

- TCL VOCs
- TCL SVOCS
- TCL metals (30 samples)
- Resource Conservation and Recovery Act (RCRA) metals (4 samples)

- TCL pesticides
- PCBs

Soil samples were collected by OSE staff and immediately stored on ice. Sampling methods were consistent with regulatory guidance and industry standards, including utilizing laboratory-provided glass jars and sampling kits, and decontamination of sampling equipment between samples using Alconox® cleaning detergent and deionized water rinse.

3.1.2 Groundwater Sampling

Groundwater samples were collected during the initial Phase II ESA from the four (4) newly-installed groundwater monitoring wells to investigate the potential presence of groundwater contaminants and possible free-phase product. A total of five (5) groundwater investigation samples (including a duplicate) were collected and submitted by OSE to the Illinois EPA laboratory for analysis. Groundwater samples were analyzed for the following list of analytes:

- TCL VOCs
- TCL SVOCs
- TCL metals
- Cyanide
- TCL Pesticides
- PCBs

OSE staff collected groundwater samples using a peristaltic pump with dedicated tubing and laboratory-provided sample containers.

3.1.3 Soil Gas Sampling

Soil gas samples were collected during the initial Phase II ESA from the three (3) soil gas implants. A total of three (3) soil gas investigation samples were collected by Fehr Graham and submitted to TestAmerica Laboratories, Inc. (TestAmerica) in Knoxville, Tennessee for analysis. Soil gas samples were analyzed for the following list of analytes:

- US EPA Method TO-15 List VOCs

Soil gas samples were collected in one (1)-liter Summa canisters, precleaned and evacuated by the contract laboratory, and fitted with a flow regulator set at 200 milliliters per minute (mL/min). Sampling methodology including purging leak detection testing, as described in *Section 4.1.3*.

3.2 Additional Focused Phase II ESA

Fehr Graham conducted an Additional Focused Phase II ESA in July and August 2018, consisting of the following tasks:

- Advancement of 41 investigation soil borings (SB18 - SB59)
 - 28 shallow borings (≤ 8 feet bgs)
 - 13 deep borings (20 feet bgs)
- Advancement of two (2) soil borings in previously-drilled locations to facilitate collection of two (2) soil samples for analysis of fractional organic carbon (f_{oc})
- Collection of 209 investigation soil samples, and 11 duplicate soil samples for quality assurance
- Collection of one (1) groundwater sample from existing monitoring well MW3
- Free product characterization at existing monitoring well MW3

The locations of soil borings were strategically placed to delineate soil impacts identified during the initial Phase II ESA. The sample summary and rationale are provided in Table 1. The sample locations are presented in Figure 3.

3.2.1 Soil Sampling

During the additional Focused Phase II ESA, three (3) soil samples were generally collected from each shallow boring and up to 10 soil samples were collected from each deep boring for laboratory analysis. The actual number of samples collected at each location varied slightly due to drilling limitations/soil recoveries. Samples were collected from pre-determined depth intervals as follows:

Shallow Boring Sample Intervals (bgs): (0-1'), (2-3'), (4-5')

Deep Boring Sample Intervals (bgs): (0-1'), (2-3'), (4-5'), (6-7'), (8-9'), (10-11'), (12-13'), (14-15'), (16-17'), (18-19')

A total of 220 soil investigation samples (including duplicates) were collected by Fehr Graham and submitted to PDC Laboratories, Inc. (PDC Laboratories) in Springfield, Illinois for analysis. The collected soil samples were analyzed for pH and the following parameters to delineate impacts identified during the Initial Phase II ESA:

- Reduced list metals (arsenic, antimony, copper, total and hexavalent chromium, lead, mercury, selenium)

- PCBs

Eight (8) of the investigation soil samples were additionally analyzed for the following parameters due to visual, olfactory, and PID indications of impact:

- TCL VOCs
- TCL SVOCs

Two (2) soil samples were collected from re-drilled soil boring locations where previous samples collected and analyzed during the Initial Phase II ESA indicated the soil was unimpacted by organic compounds. The re-collected soil samples were analyzed for fraction organic carbon (f_{oc}) for use in calculating Site-specific remediation objectives. Laboratory analysis for f_{oc} was completed via method ASTM D2974-87 and adjusted by multiplying the soil organic matter results by 0.58 (the percentage of organic carbon which comprises the soil organic matter), in accordance with *TACO* Section 742.215(b)(1)(B).

Soil samples were collected by Fehr Graham staff in laboratory-provided containers, including 40-mL glass vials prepared with methanol and de-ionized water (VOCs); 9-ounce and 4-ounce clear glass unpreserved jars with Teflon®-lined plastic lids (SVOC, PCBs, metals, pH, moisture); and 4-ounce glass unpreserved jars with Teflon®-lined lids (f_{oc}). Samples were collected and handled in accordance with regulatory guidance and industry standards, including utilizing decontamination of sampling equipment between samples using Alconox® cleaning detergent and deionized water rinse.

3.2.2 Groundwater Sampling

During the additional Focused Phase II ESA, one (1) groundwater sample was collected from existing monitoring well MW3 due to analytical results indicating the presence of PCBs in groundwater and observed free-phase product in the well during the initial Phase II ESA. The groundwater sample was analyzed for the following list of analytes:

- TCL VOCs
- TCL SVOCs
- RCRA metals (total and dissolved)
- PCBs

Fehr Graham collected groundwater samples using a submersible bladder pump with dedicated tubing and laboratory-provided sample containers. Samples were collected using standard low-flow procedures.

3.2.3 Free Product Characterization

Following the additional Focused Phase II ESA, Fehr Graham returned to the Site to collect a sample of the free-phase light non-aqueous phase liquid (LNAPL) that was identified during the Site investigations at MW3. The free product sample was analyzed for the following parameters to characterize the type of fluid present:

- Total petroleum hydrocarbons (TPH)
- PCBs

Fehr Graham collected the free product sample using a disposable bailer and laboratory-provided sample containers.

3.2.4 Soil Gas Sampling

No soil gas sampling was performed during the additional Focused Phase II ESA.

4.0 DOCUMENTATION OF FIELD ACTIVITIES

4.1 Initial Phase II ESA

The initial Phase II ESA was performed in partnership between Fehr Graham and the Illinois EPA OSE. On May 22, 2017, representatives from Fehr Graham and OSE mobilized to the Site to identify soil boring, monitoring well and soil gas locations, and conduct a joint meeting utility locate. During the joint utility locate, Fehr Graham and OSE determined to omit planned soil boring SB15 from the investigation due to its proximity to the utility corridor between Site parcels. Drilling activities were performed on May 30 through June 2, and June 12 and 13, 2017. OSE provided drilling and sampling services, which included the use of the following equipment, owned and operated by OSE:

- GeoProbe® 6600 truck-mounted drill rig
- RAE® Systems MiniRAE 3000 parts per billion (ppb) PID
- Olympus DELTA™ Innov-X DCC-4000 XRF analyzer
- GeoProbe® peristaltic pump

4.1.1 Soil Investigation

Each soil boring was advanced to depths of 16 to 20 feet bgs in intervals of four (4) feet using a direct-push hammer attached to the probe. Continuous soil cores were collected during soil boring advancement using Macro-Core® technology. Upon extraction, soil was screened by OSE staff in approximate one (1)-foot intervals using both the PID and XRF. A Fehr Graham hydrogeologist logged the soil cores while on-Site, and OSE staff provided descriptions for soil cores collected on June 1 and 13, 2017. Soil boring logs are included in Appendix C.

Soil samples were collected as described in *Section 3.1.1* and were maintained in a cooler on ice for the duration of each day's field activities. Samples were relinquished by OSE to the Illinois EPA laboratory under standard chain-of-custody procedures at the earliest opportunity.

4.1.2 Groundwater Investigation

Groundwater monitoring wells were installed on May 30, 31, and June 1, 2017, by OSE staff. Four (4) two (2)-inch diameter, Schedule 40 polyvinyl chloride (PVC) monitoring wells with 10-foot slotted screens were installed to bottom depths ranging from 18 to 22 feet bgs, based on the apparent depth to groundwater observed in soil cores. Monitoring well construction details are included with associated soil boring logs in Appendix C.

OSE developed the newly installed groundwater monitoring wells on June 9, 2017, using disposable bailers and a peristaltic pump. During development of each well, five (5) gallons of groundwater were removed with a bailer, followed by removal of an additional five (5) gallons of groundwater removed with a peristaltic pump. An additional four (4) gallons of groundwater were removed from MW3 until groundwater appeared clear of sediment.

Groundwater samples were collected as described in *Section 3.1.2* and were maintained in a cooler on ice for the duration of the day's field activities. Samples were relinquished by OSE to the Illinois EPA laboratory under standard chain-of-custody procedures at the earliest opportunity.

During the groundwater investigation, OSE identified the presence of free-phase LNAPL in MW3, with a thickness of up to 0.5 feet.

4.1.3 Soil Gas Investigation

Soil gas implants were installed by OSE under the guidance of Fehr Graham field staff on June 2, 2017. The three (3) soil gas implants were installed to approximately 3.5 feet bgs in unsaturated soil using a two (2)-inch diameter Macro-Core® sample rod via direct-push methods. A six (6)-inch long, 0.5-inch diameter stainless steel soil gas sample implant was connected to 0.5-inch inner diameter tubing and set between 3.0 and 3.5 feet bgs. Filter pack sand was placed around and above the implant to approximately 1.5 feet bgs, followed by at least one (1) foot of hydrated bentonite chips to create a seal. Finally, approximately six (6)-inches of filter sand was placed on top of the bentonite seal to allow drainage around the soil gas sampling well point. Each completed soil gas well was capped with a four (4)-inch steel, flush-mount cover set in a concrete pad. A polypropylene two-way ball valve was fixed to the surface end of the 0.25-inch tubing to prevent the introduction of moisture into the soil gas implant. Soil gas well construction diagrams are included with the associated soil boring logs in Appendix C.

Fehr Graham collected soil gas samples on June 8, 2017. Prior to sampling, a review of precipitation total was completed to verify that less than 0.25-inch of precipitation occurred within 48 hours prior to the sampling event. Immediately prior to sampling, the soil gas implant tubing was covered with a sampling shroud that was sealed to the surrounding ground surface with clay. In addition, all tubing pass-throughs and openings in the shroud were

sealed with clay. Helium gas was introduced into the sealed shroud as a tracer to evaluate the integrity of the sample setup. The soil gas implant was then purged of at least three (3) times the soil gas well volume at a maximum rate of 200 mL/min. A helium detector was used intermittently throughout the purging process to determine if any ambient air was being introduced into the soil gas implant system. Helium was not detected at SG1 or SG3, but it was detected at concentrations of up to 200 parts per million (ppm) during purging at SG2.

The soil gas samples were collected as described in *Section 3.1.3* and relinquished to the TestAmerica under standard chain-of-custody procedures at the earliest opportunity.

4.2 Additional Focused Phase II ESA

The additional Focused Phase II ESA was conducted in two (2) stages based on the accessibility of select locations. Stage 1 included advancement of 33 soil borings accessible by OSE's truck-mounted GeoProbe®. Stage 2 included advancement of nine (9) soil borings in locations only accessible via a track-mounted GeoProbe® or hand auger. The field activities for Stage 1 and Stage 2 of the additional Focused Phase II ESA are described in the following sections.

4.2.1 Stage 1 Soil Investigation

Stage 1 of the additional Focused Phase II ESA was performed in partnership between Fehr Graham and the Illinois EPA OSE. On July 2, 2018, representatives from Fehr Graham and OSE mobilized to the Site to identify soil boring locations and conduct a joint meeting utility locate. Stage 1 drilling activities were performed on July 9 through 13, 2018. OSE provided drilling services using a truck-mounted GeoProbe® 6600.

Eleven (11) deep soil borings were advanced to 20 feet bgs and 22 shallow soil borings were advanced to a maximum depth of eight (8) feet bgs. Soil borings were advanced in a manner consistent with the initial Phase II ESA with continuous sampling completed using Macro-Core® technology. Upon soil core extraction, a Fehr Graham hydrogeologist field-screened the soil in approximate one (1)-foot intervals using a calibrated PID and classified the recovered soil cores. Soil descriptions and field-screening results are included in the soil boring logs in Appendix C.

Soil samples were collected as described in *Section 3.2.1* and were maintained in a cooler on ice for the duration of each day's field activities. Samples were relinquished to PDC Laboratories under standard chain-of-custody procedures at the earliest opportunity.

4.2.2 Stage 2 Soil Investigation

Fehr Graham re-mobilized to the Site on August 2, 2018, for Stage 2 of the Additional Focused Phase II ESA. Prior to additional intrusive drilling activities, a public utility locate was completed and select areas of the Site were cleared of vegetation and debris. In addition, a private utility locating service was used to verify that planned boring locations were clear of utilities and/or other underground obstructions.

Fehr Graham contracted GeoServe, Inc. of Woodstock, Illinois (GeoServe) to perform Stage 2 soil boring activities. GeoServe utilized a track-mounted GeoProbe® 7822DT drill rig to advance seven (7) soil borings to depths ranging from five (5) to 25 feet bgs. One (1) of the soil borings (SB59) was advanced to characterize the geology at depth; however, the boring was not advanced beyond 25 feet bgs due to limitations of the drilling equipment in the sandy material at depth. An additional two (2) soil borings were advanced using a hand auger to a maximum depth of five (5) feet bgs on the berm along the eastern Site boundary. A Fehr Graham hydrogeologist field-screened and classified the soil cores in a manner consistent with Stage 1 of the Additional Focused Phase II ESA, as documented on the soil boring logs in Appendix C.

In addition, two (2) previous soil boring locations sampled during the initial Phase II ESA were re-drilled during Stage 2 of the additional Focused Phase II ESA to facilitate collection soil samples for analysis of f_{oc} .

Soil samples were collected as described in *Section 3.2.1* and were maintained in a cooler on ice for the duration of field activities. Samples were relinquished to PDC Laboratories under standard chain-of-custody procedures at the earliest opportunity.

4.2.3 Groundwater Sampling and Free Product Assessment

During the additional Focused Phase II ESA, Fehr Graham re-sampled existing monitoring well MW3 and evaluated the presence of free product LNAPL. Prior to sampling, a water-oil interface probe was inserted into the well to identify the thickness of LNAPL at the top of the

water column. The water-oil interface probe measurement indicated a free phase LNAPL thickness of 0.85 feet, which was confirmed visually using a bailer to remove the top of the water column.

The groundwater sample was collected as described in *Section 3.2.2* and was maintained in a cooler on ice for the duration of the day's field activities. Samples were relinquished to PDC Laboratories under standard chain-of-custody procedures at the earliest opportunity.

Follow-up field work was completed on September 27, 2018, to collect a characterization sample of the free product at MW3. The free product LNAPL sample was collected as described in *Section 3.2.3* and was maintained in a cooler on ice until relinquished to PDC Laboratories under standard chain-of-custody procedures at the earliest opportunity.

4.2.4 Hydrogeologic Investigation

Fehr Graham completed a hydrogeologic investigation to identify groundwater flow direction, hydraulic gradient, and hydraulic conductivity of the shallow unconsolidated aquifer. A Fehr Graham surveyor mobilized to the Site on August 6, 2018, to survey the elevation of each monitoring well. Well elevations are used to calculate groundwater elevation in feet above mean sea level (amsl) based on depth to water measurements. A Fehr Graham hydrogeologist used a decontaminated water level indicator to collect depth to water measurements at each groundwater monitoring well on June 12, 2017, and September 27, 2018. These measurements have been used in conjunction with the survey data to identify groundwater elevations, as presented in Table 2, as well as groundwater flow direction and hydraulic gradient, described in *Section 5.1*.

Hydraulic conductivity measurements were obtained from MW4 on September 27, 2018, via slug testing. The depth to water was first measured using a decontaminated electronic water level indicator. Once the depth to water was recorded, an In-Situ, Inc. Level TROLL Data Logger was lowered into the monitoring well and suspended approximately three (3) feet from the bottom of the monitoring well. A solid PVC cylinder was used to displace a known volume of water in the well, and the Level TROLL monitored the response of the aquifer when the slug was inserted (falling head) and removed (rising head). Once the data was collected, the Bouwer-Rice method was used to interpret field data using AQTESOLV computer software.

A summary of the slug test analysis results is included in *Table 4.1*. Copies of the AQTESOLV calculation outputs are provided in Appendix D.

Table 4.1
Hydraulic Conductivity Results

Well	Test Name	Hydraulic Conductivity (cm/s)
MW4	MW4 FH1	3.266×10^{-3}
	MW4 FH2	4.128×10^{-3}
	MW4 FH3	4.986×10^{-3}
	MW4 RH1	4.656×10^{-3}
	MW4 RH2	3.505×10^{-3}
	MW4 RH3	4.021×10^{-3}

4.3 Quality Assurance

Quality Assurance and Quality Control (QA/QC) was completed to ensure that the environmental data collected during this project is of the highest standard feasible, as appropriate for the intended application. The QA/QC objective for this project is to implement procedures for field sampling, chain-of-custody, laboratory analysis, and reporting using standard Site remediation protocol.

Soil samples were collected in accordance with Fehr Graham standard operating procedures and regulatory guidance, as applicable. Sample-handling procedures included field documentation, chain-of-custody documentation, sample shipment, and laboratory sample tracking.

OSE and Fehr Graham collected one (1) duplicate sample and one (1) matrix spike/matrix spike duplicate (MS/MSD) per 20 samples collected for soil and groundwater to evaluate reproducibility of the laboratory result and potential matrix interference, respectively. In addition, Fehr Graham collected equipment blanks at the end of each day during the additional Phase II ESA to evaluate the efficacy of decontamination procedures. Equipment blanks were collected on the down-hole sampling equipment and included both a rinsate sample for analysis of metals (and VOCs/SVOCs as applicable) and a wipe sample for analysis of PCBs. One (1) trip blank and one (1) preservative blank were included with each sample shipment that included VOCs during the additional Phase II ESA.

The laboratory is responsible for ensuring that the laboratory's data precision and accuracy are maintained in accordance with specifications. Internal laboratory duplicates and calibration checks are performed on one (1) of every 20 samples submitted for analysis. Other internal laboratory QA/QC is performed according to laboratory standard operating procedures.

5.0 RESULTS

5.1 Site Geology and Hydrogeology

Based on descriptions and observations collected during Site investigation drilling activities, the geologic profile of the Site generally consists of one (1) to six (6) feet of sandy urban fill material with fragments of metal scrap, brick, and glass, underlain by silt and clay to depths of six (6) to 14 feet bgs, followed by coarse gravelly sand. Bedrock was not encountered above 25 feet bgs, the maximum depth of soil boring activities. Geologic cross-sections prepared based on soil boring observations are included in Figure 4.

Groundwater at the Site was encountered at approximately 10 to 12 feet bgs. The groundwater depths and elevations are presented in Table 2. The shallow hydraulic head within the shallow aquifer indicates the local groundwater flow direction is northwesterly, towards the Rock River. A potentiometric surface map is included as Figure 5. The hydraulic gradient is approximately 0.0026 feet per foot (ft/ft), based on water table elevations at MW1 and MW4 collected on September 27, 2018. MW3 was omitted from gradient calculations due to the influence of free product on the hydraulic head in that location. The hydraulic conductivity of the unconsolidated aquifer was measured via in situ slug testing to be 4.99×10^{-3} cm/s (most conservative measurement), as presented in *Section 4.2.4*.

Based on the unconsolidated material classifications and the hydraulic conductivities, the shallow unconfined unit is considered Class I, Potable Resource Groundwater (35 IAC 620.210).

5.2 Soil Investigation Results

Soil analytical results were compared to the *TACO* Tier 1 soil remediation objectives (SROs) for residential, industrial/commercial, and construction worker receptors and Class I groundwater, as established in *TACO* Appendix B, Table A, Table B, and Table C. In addition, select SVOCs and metals were compared to background concentrations in non-metropolitan areas, as published in *TACO* Appendix A, Table G and Table H. In the case that the established background value is less stringent than a Tier 1 SRO, the background value was used as the applicable SRO for comparison. The laboratory analytical reports for soil samples are included in Appendix E.

Soil sample analytical results from combined Phase II ESA investigations revealed that the following constituents are present in one or more samples collected from the Site at concentrations exceeding the applicable SROs:

VOCs

- Benzene
- 1,2-Dichloropropane
- trans-1,3-Dichloropropene
- 1,1,2-Trichloroethane
- Xylenes, total

SVOCs

- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Bis(2-ethylhexyl)phthalate
- Carbazole
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Pentachlorophenol

Metals

- Arsenic
- Antimony
- Copper
- Chromium (total)
- Lead
- Mercury
- Selenium
- Zinc

PCBs (total)

5.2.1 VOC Results in Soil

Out of a total of 40 soil samples analyzed, select VOCs were identified at concentrations exceeding one or more SRO(s) in six (6) soil samples collected from four (4) soil boring locations. VOC impacts were generally low-level and confined to shallow soils (0-3 feet bgs) with the exception of one (1) concentration of total xylenes identified in a sample collected from 8 to 9 feet bgs. A summary of the soil analytical results for VOCs is included as Table 3A, and the locations of soil samples exhibiting concentrations of VOCs exceeding one or more SRO are presented in Figure 6.

5.2.2 SVOC Results in Soil

Out of a total of 40 samples analyzed, select SVOCs were identified at concentrations exceeding one or more SRO(s) in nine (9) soil samples collected from nine (9) soil boring locations. Two (2) of the locations exhibiting exceedances of SVOCs are located off-Site on the south-adjacent property (SB1 and SB3). Similar to the identified VOCs, SVOC impacts were low-level and confined to shallow soils (0-3 feet bgs) with the exception of one (1)

concentration of naphthalene identified in a sample collected from 15 to 16 feet bgs in off-Site soil boring SB3. A summary of the soil analytical results for SVOCs is included as Table 3B, and the locations of soil samples exhibiting concentrations of SVOCs exceeding one or more SRO are presented in Figure 7.

5.2.3 Metal Results in Soil

Out of the 32 samples analyzed during the initial Phase II ESA, select metals were identified at concentrations exceeding one or more SRO(s) in 18 soil samples collected from 16 soil boring locations. The metals identified exceeding SROs included antimony, arsenic, copper, chromium, lead, mercury, and selenium. In addition, one (1) location exhibited a concentration of zinc exceeding SROs. Based on the findings of the initial Phase II ESA, soil samples were analyzed for a reduced list of metals during the additional Focused Phase II ESA and chromium were speciated in the additional investigation to evaluate the concentration of hexavalent chromium (Cr[VI]) relative to total chromium. The findings of both investigations for the reduced list of metals are summarized as follows, and a summary of the soil analytical results for metals is included as Table 3C.

Antimony

Out of a total of 237 samples analyzed, antimony was identified at concentrations exceeding one or more SRO(s) in 56 soil samples collected from 37 soil boring locations. One (1) of the locations exhibiting an exceedance of antimony is located off-Site on the south-adjacent property (SB1). Eight (8) of the soil boring locations containing antimony above SROs exhibited impacts deeper than three (3) feet bgs. The locations of soil samples exhibiting concentrations of antimony exceeding one or more SRO are presented in Figure 8A.

Arsenic

Out of a total of 241 samples analyzed, arsenic was identified at concentrations exceeding one or more SRO(s) in 44 soil samples collected from 34 soil boring locations. One (1) of the locations exhibiting an exceedance of arsenic is located off-Site on the south-adjacent property (SB1). Arsenic impacts appear to be confined to shallow soils (0-3 feet bgs) with the exception of two (2) soil boring locations, which exhibited arsenic impacts at maximum depths of 6 to 7 feet (SB35) and 10 to 11 feet (SB53). The locations of soil samples exhibiting concentrations of arsenic exceeding one or more SRO are presented in Figure 8B.

Lead

Out of a total of 241 samples analyzed, lead was identified at concentrations exceeding one or more SRO(s) in 79 soil samples collected from 49 soil boring locations. Two (2) of the locations exhibiting an exceedance of lead are located off-Site on the south-adjacent property (SB1 and SB3). Lead impacts were largely confined to shallow soils (0-3 feet bgs), with 10 locations exhibiting impacts at 4 to 5 feet bgs, and four (4) locations exhibiting impacts at greater depths, ranging from 6 to 12 feet bgs.

Select samples were subsequently analyzed for toxicity characteristic leaching procedure (TCLP) lead to evaluate the leachability of the observed lead concentrations. TCLP lead results are summarized in Table 5.1.

*Table 5.1
TCLP Lead Results*

Soil Boring	Sample Depth (ft bgs)	Total Lead (mg/kg)	TCLP Lead (mg/L)
SB19	2-3	12,900	52.8
SB26	0-1	6,950	3.2
SB42	0-1	81,800	1.13
SB46	2-3	5,530	24.2
SB50	2-3	6,570	6.86
SB53	10-11	14,800	16.6
SB56	0-1	3,430	1.11
SB57	2-3	6,000	1.34

The results of the TCLP lead analysis indicates that select sample locations contain concentrations of lead that exceed the toxicity characteristic threshold of 5.0 mg/L.

The locations of soil samples exhibiting concentrations of lead exceeding one or more SRO are presented in Figure 8C.

Mercury

Out of a total of 228 samples analyzed, mercury was identified at concentrations exceeding one or more SRO(s) in 97 soil samples collected from 53 soil boring locations. Four (4) of the locations exhibiting an exceedance of mercury are located off-Site on the south-adjacent properties (SB1, SB2, SB3, SB23). Mercury impacts are largely confined to shallow soils (0-3

feet bgs), with 15 locations exhibiting impacts at 4 to 5 feet bgs, and seven (7) locations exhibiting impacts at greater depths, ranging from 6 to 15 feet bgs. The locations of soil samples exhibiting concentrations of mercury exceeding one or more SRO are presented in Figure 8D.

Chromium

Out of a total of 241 samples analyzed, total chromium was identified at concentrations exceeding one or more SRO(s) in 13 soil samples collected from 10 soil boring locations. However, further evaluation of these apparent exceedances was performed through speciation of hexavalent chromium (Cr^{6+}) and trivalent chromium (Cr^{3+}). Hexavalent chromium was not detected above laboratory reporting limits except in SB55 (2-3') and duplicate sample DUP01 (SB19 (6-7')), at negligible concentrations of 0.392 mg/kg and 0.762 mg/kg, respectively. As such, the total chromium concentrations at the Site are comprised of trivalent chromium, which presents little risk of mobility/leachability or toxicity.

Based on the speciation findings, total chromium results are more accurately compared to SROs for trivalent chromium. No concentrations of chromium were identified exceeding the applicable trivalent chromium SROs.

Copper

Out of a total of 237 samples analyzed, copper was identified at concentrations exceeding one or more SRO(s) in seven (7) soil samples collected from seven (7) soil boring locations. Copper impacts were only identified in shallow soils (0-3 feet bgs). The locations of soil samples exhibiting concentrations of copper exceeding one or more SRO are presented in Figure 8E.

Selenium

Out of a total of 241 samples analyzed, selenium was identified at concentrations exceeding one or more SRO(s) in 13 soil samples collected from 12 soil boring locations. One (1) of the locations exhibiting an exceedance of selenium is located off-Site on the south-adjacent property (SB2). Selenium impacts were generally low-level and confined to shallow soils (0-3 feet bgs) with the exception of one (1) sample collected from 4 to 5 feet bgs (SB35). The locations of soil samples exhibiting concentrations of selenium exceeding one or more SRO are presented in Figure 8E.

5.2.4 PCB Results in Soil

Out of a total of 241 samples analyzed, total PCBs were identified at concentrations exceeding one or more SRO(s) in 74 soil samples collected from 40 soil boring locations. PCB impacts were identified at depths ranging from 0 to 19 feet bgs. Thirteen (13) of the impacted samples exhibited concentrations of total PCBs exceeding 50 ppm. A summary of the soil analytical results for PCBs is included as Table 3C, and the locations of soil samples exhibiting concentrations of PCBs exceeding one or more SRO are presented in Figure 9. Isoconcentration maps for each evaluated depth interval are included as Figure 10 (A-J).

5.2.5 Pesticides Results in Soil

Pesticides were not detected at concentrations exceeding SROs in any of the 32 samples analyzed. A summary of the soil analytical results for pesticides is included in Table 3D.

5.2.6 Fraction Organic Carbon Results

Two (2) soil samples were collected from soils not impacted by organic constituents for analysis of f_{oc} . Sample locations were determined based on analytical results from the initial Phase II ESA from SB4 (7-8') and SB13 (12-13'), which indicated no detections of organic constituents. Furthermore, the observed soils (silts and silty clays) at these locations appeared representative of the native materials at the Site through which organic contamination would be expected to migrate to reach groundwater. The locations were re-drilled during the Additional Focused Phase II ESA, and samples were re-collected from the same depth interval or the nearest unsaturated depth interval. Results of the f_{oc} samples analysis are summarized in *Table 5.2*.

Table 5.2
Fractional Organic Carbon Results

Soil Boring	Sample Depth (ft bgs)	Foc (%)
SB4	7-8	0.309
SB13	9-10	0.87

The f_{oc} was analyzed as described in *Section 3.2.1* and may be used for calculation of Site-specific remediation objectives in future submittals.

5.3 Groundwater Sample Results

Groundwater analytical results were compared to the *TACO* Tier 1 groundwater remediation objectives (GROs) for Class I groundwater and residential and industrial/commercial indoor inhalation receptors, as established in *TACO* Appendix B, Table E and Table H. The laboratory analytical reports for groundwater samples are included in Appendix E.

Groundwater sample analytical results from the initial Phase I ESA and re-sampling of MW3 during the additional Focused Phase II ESA revealed that the following constituents are present in one or more sample collected from the Site at concentrations exceeding the applicable GROs:

VOCs

- Ethylbenzene

SVOCs

- 2-Methylnaphthalene
- Naphthalene

Metals

- Manganese

PCBs (total)

5.3.1 VOC Results in Groundwater

Groundwater sample results revealed that no VOCs are present in groundwater at concentrations exceeding the applicable GROs with the exception of ethylbenzene at MW1, which is located off-Site on the south-adjacent property. As such, no VOCs were identified in groundwater exceeding GROs on the Site. A summary of the groundwater analytical results for VOCs is included as Table 4A, and the locations of monitoring wells exhibiting concentrations of VOCs exceeding one or more GRO are presented in Figure 11.

5.3.2 SVOC Results in Groundwater

Groundwater sample results revealed that no SVOCs are present in groundwater at concentrations exceeding the applicable GROs with the exception of 2-methylnaphthalene and naphthalene at MW1, which is located off-Site on the south-adjacent property. As such, no SVOCs were identified in groundwater exceeding GROs on the Site. A summary of the groundwater analytical results for SVOCs is included as Table 4B, and the locations of monitoring wells exhibiting concentrations of SVOCs exceeding one or more GRO are presented in Figure 11.

5.3.3 Inorganic Results in Groundwater

Groundwater sample results revealed that no inorganic constituents are present in groundwater at concentrations exceeding the applicable GROs with the exception of manganese at MW1, MW3, and MW4. One (1) of the locations exhibiting an exceedance of manganese is located off-Site on the south-adjacent property (MW1). A summary of the groundwater analytical results for inorganic constituents is included as Table 4C, and the locations of monitoring wells exhibiting concentrations of inorganic constituents exceeding one or more GRO are presented in Figure 11.

5.3.4 PCB Results in Groundwater

Groundwater sample results revealed that no well locations exhibited concentrations of PCBs exceeding the applicable GROs with the exception of MW3. During the initial Phase II ESA, MW3 exhibited a total PCB concentration in groundwater of 0.00195 mg/L, exceeding the applicable GRO for groundwater ingestion of 0.0005 mg/L. MW3 was re-sampled during the additional Focused Phase II ESA and exhibited a total PCB concentration of 0.00353 mg/L. A summary of the groundwater analytical results for PCBs is included as Table 4C, and the location of monitoring wells exhibiting concentrations of total PCBs exceeding one or more GRO are presented in Figure 11.

5.3.5 Pesticide Results in Groundwater

Groundwater sample results revealed that pesticides were not detected above laboratory reporting limits in any of the four (4) monitoring well locations. A summary of the groundwater analytical results for pesticides is included as Table 4D.

5.4 Free Product Characterization Results

The sample of free-phase LNAPL collected from the top of the water column at MW3 was laboratory analyzed to determine the type of product present. The results of the free product characterization are presented in *Table 5.3*.

Table 5.3
Free Product Characterization Results

Parameter	Result (ppm)
PCBs	
Aroclor 1016	318
Aroclor 1221	<2.4
Aroclor 1232	<2.4

Parameter	Result (ppm)
Aroclor 1242	<2.4
Aroclor 1248	<2.4
Aroclor 1254	<2.4
Aroclor 1260	52.6
Fuels	
Mineral Spirits	<75
Kerosene	<75
Diesel Fuel #2	986
Motor Oil	<75
Hydraulic Fluid	<75
Gasoline	<500

The results of the free product characterization analysis indicate that the LNAPL identified in MW3 includes diesel fuel and PCBs. The source of the diesel fuel is suspected to be a past release from the former 2,000-gallon diesel UST, which was removed in 1989. The location of the UST could not be determined from historical records reviewed, including historical Sanborn fire insurance maps, aerial photographs, and records obtained from the Illinois Office of the State Fire Marshal; however, it is plausible that the UST was located in the vicinity of the processing buildings and main drive (i.e. near or up-gradient of MW3). Given that PCBs are soluble in diesel fuel (40 CFR §761.79), it is probable that the diesel release has facilitated transport of PCBs present in soil from historical recycling of PCB-containing equipment (i.e. capacitors, transformers) in the processing buildings, and thereby resulted in the observed concentrations of PCBs in the free phase product.

5.5 Soil Gas Results

Soil gas analytical results were compared to the *TACO* Tier 1 soil gas remediation objectives (SGROs) for residential and industrial/commercial inhalation receptors, as established in *TACO* Appendix B, Table H. The laboratory analytical report for soil gas samples is included in Appendix E.

Soil gas sample analytical results from the Initial Phase II ESA revealed that various volatile constituents were detected above laboratory reporting limits; however, no constituents exceeded Tier 1 SGROs.

A summary of the soil gas sample analytical results is presented in Table 5.

6.0 ENDANGERMENT ASSESSMENT

Fehr Graham performed an endangerment assessment based on the analytical results of the combined Phase II ESA Site investigations to identify conditions that represent a threat to human health or the environment. The endangerment assessment is intended to provide a thorough evaluation of investigation sample results in consideration of all potential exposure routes for TCL VOCs, TCL SVOCs, TCL metals, TCL pesticides, and PCBs based on *TACO* Tier 1 SROs, GROs, and SGROs. Given the intended future land use including recreational areas, each exposure route was evaluated for residential receptors. A summary of the exposure route exceedances is presented in Table 6.

6.1 Outdoor Inhalation Exposure Route

The outdoor inhalation exposure route was evaluated for residential and construction worker receptors. The following constituents were identified in one or more soil sample at a concentration exceeding Tier 1 SROs for outdoor inhalation:

- Mercury
- Naphthalene
- Xylenes

The outdoor inhalation exposure route was primarily exceeded for construction worker receptors, with the principal constituent of concern being mercury. The primary SRO exceeded by mercury is the construction worker inhalation SRO of 0.1 mg/kg, which only applies where elemental mercury is a constituent of concern. There are no documented uses of elemental mercury at the Site; however, the presence of elemental mercury in scrap components cannot be ruled out. As such, mercury is compared to the construction worker inhalation SRO. Mercury was identified at concentrations exceeding the construction worker inhalation SRO of 0.1 mg/kg in 97 soil samples. The identified concentrations exceeding the outdoor inhalation exposure route for construction worker receptors are summarized in *Table 6.1.1*.

Table 6.1.1
Outdoor Inhalation Exposure Route Exceedances for Construction Worker Receptors

Construction Worker Inhalation Exposure Route Exceedances			
Mercury (0.1 mg/kg)			
SB1 (1.3-2.3'): 1.36	SB20 (2-3'): 4.99	SB31 (0-1'): 0.255	SB43 (0-1'): 1.39
SB2 (2-3'): 0.23	SB20 (4-5'): 0.199	SB32 (0-1'): 0.722	SB44 (0-1'): 1.41
SB3 (0.5-1.5'): 0.33	SB21 (0-1'): 0.906	SB33 (0-1'): 2.4	SB45 (0-1'): 1.13
SB4 (0-1'): 0.67	SB21 (2-3'): 0.119	SB33 (4-5'): 0.367	SB45 (2-3'): 0.269
SB6 (2-3'): 17.8	SB21 (4-5'): 46.9	SB34 (0-1'): 1.74	SB45 (8-9'): 0.12
SB7 (1-2'): 0.15	SB22 (0-1'): 0.597	SB34 (2-3'): 0.676	SB46 (0-1'): 2.1
SB8 (1-2'): 0.21	SB22 (2-3'): 0.129	SB35 (0-1'): 14.4	SB47 (0-1'): 0.35
SB9 (0-1'): 0.86	SB22 (4-5'): 0.139	SB35 (2-3'): 1.34	SB48 (2-3'): 0.178
SB10 (0-1'): 3.98	SB23 (0-1'): 0.274	SB35 (4-5'): 6.4	SB52 (2-3'): 0.879
SB10 (11-12'): 0.98	SB24 (0-1'): 1.6	SB35 (6-7'): 0.13	SB53 (0-1'): 0.112
SB11 (1-2'): 42.8	SB24 (2-3'): 0.464	SB36 (0-1'): 1.4	SB53 (2-3'): 0.123
SB12 (0-1'): 5.25	SB24 (4-5'): 0.66	SB36 (2-3'): 3.67	SB53 (4-5'): 0.143
SB13 (1-2'): 0.43	SB25 (0-1'): 1.06	SB37 (0-1'): 0.52	SB53 (6-7'): 0.134
SB14 (0-1'): 0.97	SB25 (2-3'): 0.349	SB37 (2-3'): 0.59	SB53 (10-11'): 8.53
SB16 (1-2'): 17.2	SB26 (0-1'): 4.01	SB38 (0-1'): 0.917	SB54 (0-1'): 0.426
SB17 (0-1'): 26.4	SB26 (2-3'): 2.27	SB39 (0-1'): 2.61	SB54 (2-3'): 0.757
SB17 (14-15'): 0.21	SB26 (4-5'): 0.459	SB39 (2-3'): 0.522	SB55 (0-1'): 17.5
SB18 (2-3'): 0.293	SB27 (0-1'): 2.39	SB39 (4-5'): 0.573	SB56 (0-1'): 19.1
SB18 (6-7'): 0.114	SB27 (2-3'): 0.118	SB40 (0-1'): 0.256	SB56 (2-3'): 1.52
SB19 (0-1'): 0.337	SB27 (4-5'): 0.41	SB40 (2-3'): 0.399	SB57 (0-1'): 6.16
SB19 (2-3'): 5.56	SB28 (0-1'): 2.95	SB40 (4-5'): 0.279	SB57 (2-3'): 3.23
SB19 (4-5'): 4.35	SB28 (4-5'): 0.114	SB41 (0-1'): 1.32	SB57 (4-5'): 0.266
SB19 (6-7'): 0.135	SB29 (0-1'): 2.67	SB42 (0-1'): 2.28	SB58 (0-1'): 3.29
SB19 (8-9'): 7.44	SB30 (0-1'): 0.68	SB42 (4-5'): 0.765	SB58 (2-3'): 10.2
SB20 (0-1'): 0.53			
Naphthalene (1.8 mg/kg)			
SB3 (15-16'): 2.4	SB12 (0-1'): 5.4		
Xylenes (5.6 mg/kg)			
SB12 (8-9'): 54	SB33 (0-1'): 51.6	SB34 (2-3'): 8.01	

The Tier 1 outdoor inhalation SROs for residential receptors were not exceeded by any analyzed constituent at the Site with the exception of mercury in nine (9) samples. The identified concentrations exceeding the residential outdoor inhalation exposure route are summarized in *Table 6.1.2*.

Table 6.1.2
Outdoor Inhalation Exposure Route Exceedances for Residential Receptors

Residential Inhalation Exposure Route Exceedances			
Mercury (10 mg/kg)			
SB6 (2-3'): 17.8	SB17 (0-1'): 26.4	SB35 (0-1'): 14.4	SB56 (0-1'): 19.1
SB11 (1-2'): 42.8	SB21 (4-5'): 46.9	SB55 (0-1'): 17.5	SB58 (2-3'): 10.2
SB16 (1-2'): 17.2			

The locations exhibiting exceedances of the outdoor inhalation exposure route are presented in Figure 12.

6.2 Indoor Inhalation Exposure Route

The indoor inhalation exposure route was evaluated for residential receptors by comparing groundwater and soil gas sample results to the GROs and SGROs for the indoor inhalation exposure route, as established in *TACO* Appendix B, Table H. These SGROs have been established based on the assumption that existing or potential buildings have a full concrete slab-on-grade or full concrete basement walls and floors with no sumps. As such, comparison to the stated objectives requires current and future building construction to be consistent with the assumptions of the calculated SGROs. Further discussion of institutional controls related to building construction will be included in future submittals.

None of the analyzed constituents exceed Tier 1 GROs and SGROs for the indoor inhalation exposure route, with the exception of the ethylbenzene and naphthalene in one (1) groundwater sample collected from off-Site monitoring well MW1. Given that this well is located on the south-adjacent property, and a soil gas sample collected from the near the Site boundary (SG1) did not indicate exceedances of the Tier 1 SGROs, the indoor inhalation exposure route remediation objectives for residential receptors have not been exceeded at the Site.

The off-Site indoor inhalation exposure route exceedances are summarized in *Table 6.2*.

Table 6.2
Indoor Inhalation Exposure Route Exceedances for Residential Receptors (off-Site)

Residential Indoor Inhalation Exposure Route Exceedances			
Constituent	GRO (mg/L)	Location	Result (mg/L)
Ethylbenzene	0.37	MW1	0.83
Naphthalene	0.075	MW1	0.29

The location exhibiting exceedances of the indoor inhalation exposure route is presented in Figure 13.

6.3 Soil Ingestion Exposure Route

The soil ingestion exposure route was evaluated for residential and construction worker receptors. The following constituents were identified in one or more soil sample at a concentration exceeding Tier 1 SROs for soil ingestion:

- Antimony
- Arsenic
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Bis(2-ethylhexyl)phthalate
- Copper
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene
- Lead
- Mercury
- PCBs
- Zinc

The soil ingestion exposure route was primarily exceeded for residential receptors, as summarized in *Table 6.3.1*.

Table 6.3.1
Soil Ingestion Exposure Route Exceedances for Residential Receptors

Residential Soil Ingestion Exposure Route Exceedances			
Antimony (31 mg/kg)			
SB11 (1-2'): 4670	SB26 (0-1'): 173	SB42 (0-1'): 2970	SB56 (0-1'): 201
SB16 (1-2'): 34.5	SB26 (2-3'): 43.3	SB50 (2-3'): 60.2	SB57 (2-3'): 742
SB21 (4-5'): 181	SB34 (2-3'): 37	SB53 (10-11'): 222	SB58 (0-1'): 54.9
SB24 (0-1'): 46.6			
Arsenic (11.3 mg/kg)			
SB1 (1.3-2.3'): 22.5	SB24 (0-1'): 14.4	SB35 (6-7'): 16.9	SB50 (2-3'): 19.2
SB6 (2-3'): 17.3	SB24 (2-3'): 15.2	SB36 (0-1'): 12.6	SB52 (2-3'): 20.7
SB8 (1-2'): 13.1	SB25 (2-3'): 17.8	SB36 (2-3'): 13.6	SB53 (0-1'): 48
SB10 (0-1'): 24.8	SB26 (0-1'): 71.9	SB37 (2-3'): 32.8	SB53 (2-3'): 47.9
SB11 (1-2'): 261	SB26 (2-3'): 40.4	SB40 (2-3'): 37	SB53 (4-5'): 21.6
SB12 (0-1'): 24.3	SB27 (0-1'): 18.5	SB41 (0-1'): 12	SB53 (6-7'): 12.1
SB13 (1-2'): 12.2	SB29 (0-1'): 16.1	SB42 (0-1'): 194	SB53 (10-11'): 15.8
SB16 (1-2'): 57.9	SB30 (0-1'): 12.6	SB43 (0-1'): 46.6	SB56 (0-1'): 33
SB17 (0-1'): 70.6	SB34 (2-3'): 11.6	SB44 (0-1'): 12.9	SB56 (2-3'): 17.2
SB20 (2-3'): 15.1	SB35 (0-1'): 14.7	SB46 (0-1'): 16.8	SB57 (2-3'): 25.1
SB21 (2-3'): 34.3	SB35 (2-3'): 19.4	SB48 (2-3'): 19.4	SB58 (0-1'): 17.2
Copper (2900 mg/kg)			
SB6 (2-3'): 5910	SB19 (2-3'): 13100	SB24 (0-1'): 18100	SB33 (0-1'): 4560
SB12 (0-1'): 11800	SB20 (0-1'): 3100	SB29 (0-1'): 4830	

Residential Soil Ingestion Exposure Route Exceedances			
Lead (400 mg/kg)			
SB1 (1.3-2.3'): 671	SB20 (2-3'): 1490	SB32 (0-1'): 600	SB42 (0-1'): 81800
SB6 (2-3'): 1690	SB21 (4-5'): 1780	SB33 (0-1'): 2290	SB43 (0-1'): 1320
SB10 (0-1'): 1210	SB22 (0-1'): 843	SB34 (0-1'): 523	SB46 (0-1'): 3230
SB10 (11-12'): 414	SB24 (0-1'): 2320	SB34 (2-3'): 961	SB46 (2-3'): 5530
SB11 (1-2'): 93400	SB25 (0-1'): 1200	SB35 (0-1'): 1340	SB47 (0-1'): 626
SB12 (0-1'): 1590	SB26 (0-1'): 6950	SB35 (2-3'): 433	SB50 (2-3'): 6570
SB14 (0-1'): 413	SB26 (2-3'): 2130	SB35 (4-5'): 2030	SB53 (10-11'): 14800
SB16 (1-2'): 8270	SB26 (4-5'): 410	SB36 (2-3'): 1630	SB56 (0-1'): 3430
SB17 (0-1'): 3830	SB27 (0-1'): 921	SB37 (2-3'): 1940	SB56 (2-3'): 856
SB19 (2-3'): 12900	SB28 (0-1'): 702	SB38 (0-1'): 468	SB57 (0-1'): 1340
SB19 (4-5'): 892	SB29 (0-1'): 1260	SB39 (0-1'): 810	SB57 (2-3'): 6000
SB19 (8-9'): 499	SB30 (0-1'): 530	SB41 (0-1'): 667	SB58 (0-1'): 1770
Mercury (23 mg/kg)			
SB11 (1-2'): 42.8	SB17 (0-1'): 26.4	SB21 (4-5'): 46.9	
Zinc (23,000 mg/kg)			
SB10 (0-1'): 45200			
Benzo(a)anthracene (0.9 mg/kg)			
SB1 (1.3-2.3'): 1.1	SB13 (1-2'): 1.5	SB16 (1-2'): 4.1	SB17 (0-1'): 1.1
SB11 (1-2'): 3.8			
Benzo(a)pyrene (0.98 mg/kg*)			
SB11 (1-2'): 1.9	SB16 (1-2'): 3.2	SB17 (0-1'): 1.0	
Benzo(b)fluoranthene (0.9 mg/kg)			
SB1 (1.3-2.3'): 0.96	SB13 (1-2'): 1.3	SB16 (1-2'): 4.5	SB17 (0-1'): 1.3
SB11 (1-2'): 2.9			
Bis(2-ethylhexyl)phthalate (46 mg/kg)			
SB11 (1-2'): 150			
Dibenzo(a,h)anthracene (0.15 mg/kg*)			
SB6 (2-3'): 0.25	SB11 (1-2'): 0.23	SB16 (1-2'): 0.51	SB17 (0-1'): 0.2
Indeno(1,2,3-cd)pyrene (0.9 mg/kg)			
SB16 (1-2'): 1.6	SB17 (0-1'): 0.98		
PCBs (1.0 mg/kg)			
SB4 (0-1'): 2.4	SB19 (4-5'): 209	SB36 (2-3'): 6.67	SB48 (12-13'): 4.15
SB5 (2.6-3.6'): 121	SB19 (6-7'): 9.56	SB38 (0-1'): 1.81	SB48 (14-15'): 4.32
SB5 (12.5-13.5'): 3.0	SB19 (10-11'): 72.7	SB39 (0-1'): 1.38	SB48 (16-17'): 11.4
SB6 (2-3'): 210	SB21 (4-5'): 7310	SB42 (0-1'): 5.72	SB49 (2-3'): 1.52
SB6 (15-16'): 34	SB21 (10-11'): 385	SB42 (4-5'): 5.9	SB49 (4-5'): 7.01
SB8 (1-2'): 69	SB21 (12-13'): 73.4	SB43 (0-1'): 49.2	SB50 (8-9'): 5.58
SB9 (0-1'): 2.45	SB21 (16-17'): 37	SB44 (0-1'): 2.717	SB50 (12-13'): 2.49
SB9 (11-12'): 14.2	SB26 (0-1'): 1.72	SB44 (2-3'): 11.5	SB50 (14-15'): 1.14
SB10 (0-1'): 310	SB27 (0-1'): 15.7	SB44 (4-5'): 1.749	SB50 (18-19'): 1.01
SB10 (11-12'): 2.6	SB27 (4-5'): 4.91	SB45 (2-3'): 23.2	SB52 (2-3'): 3.17
SB11 (1-2'): 28	SB28 (0-1'): 15.44	SB45 (8-9'): 2.76	SB52 (2-3'): 1.32
SB12 (0-1'): 5.2	SB29 (0-1'): 3.98	SB45 (14-15'): 8.11	SB53 (2-3'): 4.62
SB13 (1-2'): 1.58	SB29 (4-5'): 1.84	SB45 (18-19'): 16.6	SB53 (6-7'): 1.502
SB14 (0-1'): 10.2	SB31 (0-1'): 2.58	SB46 (0-1'): 48.5	SB53 (10-11'): 75.1

Residential Soil Ingestion Exposure Route Exceedances			
SB16 (1-2'): 90	SB31 (4-5'): 3.48	SB47 (0-1'): 15.2	SB56 (0-1'): 14.2
SB17 (0-1'): 189	SB32 (0-1'): 2.11	SB48 (0-1'): 1.63	SB57 (0-1'): 27
SB18 (14-15'): 10.4	SB33 (0-1'): 8.38	SB48 (2-3'): 11.7	SB57 (2-3'): 8.21
SB18 (16-17'): 8.44	SB35 (2-3'): 11.6	SB48 (8-9'): 5.173	SB58 (0-1'): 5.62
SB19 (2-3'): 600	SB36 (0-1'): 1.61		

* Indicates non-metropolitan background concentration (TACO Appendix A, Table H)

The Tier 1 soil ingestion inhalation SROs for construction worker receptors were exceeded by antimony, arsenic, copper, and lead in select samples, with lead being primary constituent of concern. The identified concentrations exceeding the soil ingestion exposure route for construction worker receptors are summarized in *Table 6.3.3*.

Table 6.3.3
Soil Ingestion Exposure Route Exceedances for Construction Worker Receptors

Construction Worker Soil Ingestion Exposure Route Exceedances			
Antimony (82 mg/kg)			
SB11 (1-2'): 4670	SB26 (0-1'): 173	SB53 (10-11'): 222	SB57 (2-3'): 742
SB21 (4-5'): 181	SB42 (0-1'): 2970	SB56 (0-1'): 201	
Arsenic (61 mg/kg)			
SB11 (1-2'): 261	SB17 (0-1'): 70.6	SB26 (0-1'): 71.9	SB42 (0-1'): 194
Copper (8,200 mg/kg)			
SB12 (0-1'): 11800	SB19 (2-3'): 13100	SB24 (0-1'): 18100	
Lead (700 mg/kg)			
SB6 (2-3'): 1690	SB22 (0-1'): 843	SB33 (0-1'): 2290	SB46 (0-1'): 3230
SB10 (0-1'): 1210	SB24 (0-1'): 2320	SB34 (2-3'): 961	SB46 (2-3'): 5530
SB11 (1-2'): 93400	SB21 (4-5'): 1780	SB35 (0-1'): 1340	SB50 (2-3'): 6570
SB12 (0-1'): 1590	SB25 (0-1'): 1200	SB35 (4-5'): 2030	SB53 (10-11'): 14800
SB16 (1-2'): 8270	SB26 (0-1'): 6950	SB36 (2-3'): 1630	SB56 (0-1'): 3430
SB17 (0-1'): 3830	SB26 (2-3'): 2130	SB37 (2-3'): 1940	SB56 (2-3'): 856
SB19 (2-3'): 12900	SB27 (0-1'): 921	SB39 (0-1'): 810	SB57 (0-1'): 1340
SB19 (4-5'): 892	SB28 (0-1'): 702	SB42 (0-1'): 81800	SB57 (2-3'): 6000
SB20 (2-3'): 1490	SB29 (0-1'): 1260	SB43 (0-1'): 1320	SB58 (0-1'): 1770

The locations exhibiting exceedances of the soil ingestion exposure route are presented in Figure 14.

6.4 Groundwater Ingestion Exposure Route

The groundwater ingestion exposure route was evaluated by comparison of soil analytical results to the soil component to groundwater ingestion SROs and groundwater analytical results to the groundwater component to groundwater ingestion GROs, considering a Class I groundwater designation.

6.4.1 Soil Component to Groundwater Ingestion

The Tier 1 evaluation revealed the following constituents in one or more soil samples at concentrations exceeding the Tier 1 SROs for soil component to the groundwater ingestion exposure route:

- Antimony
- Arsenic
- Benzo(a)anthracene
- Benzene
- Carbazole
- 1,2-Dichloropropane
- 1,1,2-Trichloroethane
- Trans-1,3-Dichloropropene
- Lead
- Mercury
- Pentachlorophenol
- Selenium

The primary constituents of concern for the soil component to groundwater ingestion route are antimony and lead. The identified concentrations exceeding the soil component to groundwater ingestion exposure route are summarized in *Table 6.4.1*.

Table 6.4.1
Soil Component to Groundwater Ingestion Exposure Route Exceedances

Soil Component to Groundwater Ingestion Exposure Route Exceedances			
Antimony (5 mg/kg ^{pH})			
SB1 (1.3-2.3'): 10.3	SB21 (4-5'): 181	SB34 (0-1'): 8.97	SB43 (0-1'): 10
SB4 (0-1'): 11.3	SB22 (0-1'): 7.4	SB34 (2-3'): 37	SB46 (0-1'): 29.5
SB6 (2-3'): 14.0	SB24 (0-1'): 46.6	SB35 (0-1'): 15	SB47 (0-1'): 30.4
SB10 (0-1'): 10.3	SB24 (4-5'): 6.22	SB35 (2-3'): 6.2	SB50 (2-3'): 60.2
SB11 (1-2'): 4670	SB25 (0-1'): 7.26	SB35 (4-5'): 11.6	SB52 (2-3'): 7.36
SB12 (0-1'): 14.8	SB26 (0-1'): 173	SB36 (0-1'): 7.81	SB53 (0-1'): 6.25
SB16 (1-2'): 34.5	SB26 (2-3'): 43.3	SB36 (2-3'): 11.6	SB53 (2-3'): 6.81
SB17 (0-1'): 20.9	SB26 (4-5'): 7.13	SB37 (0-1'): 9.4	SB53 (4-5'): 6.37
SB19 (0-1'): 6.55	SB27 (0-1'): 8.88	SB38 (0-1'): 7.15	SB53 (10-11'): 222
SB19 (2-3'): 12.3	SB28 (0-1'): 8.98	SB39 (0-1'): 19.2	SB56 (0-1'): 201
SB19 (4-5'): 7.69	SB29 (0-1'): 20.6	SB39 (4-5'): 6.14	SB56 (2-3'): 8.17
SB19 (8-9'): 7.36	SB30 (0-1'): 13.2	SB41 (0-1'): 7.12	SB57 (0-1'): 14.5

Soil Component to Groundwater Ingestion Exposure Route Exceedances			
SB20 (0-1'): 7.17	SB32 (0-1'): 15.5	SB42 (0-1'): 2970	SB57 (2-3'): 742
SB20 (2-3'): 29.5	SB33 (0-1'): 12.8	SB42 (4-5'): 5.03	SB58 (0-1'): 54.9
SB21 (0-1'): 6.55			
Arsenic (28-33 mg/kg ^{pH})			
SB11 (1-2'): 261	SB26 (0-1'): 71.9	SB40 (2-3'): 37	SB53 (0-1'): 48
SB16 (1-2'): 57.9	SB26 (2-3'): 40.4	SB42 (0-1'): 194	SB53 (2-3'): 47.9
SB17 (0-1'): 70.6	SB37 (2-3'): 32.8	SB43 (0-1'): 46.6	SB56 (0-1'): 33
SB21 (2-3'): 34.3			
Lead (23-282 mg/kg ^{pH})			
SB1 (1.3-2.3'): 671	SB21 (0-1'): 217	SB34 (2-3'): 961	SB47 (0-1'): 626
SB3 (0.5-1.5'): 329	SB21 (2-3'): 268	SB35 (0-1'): 1340	SB48 (2-3'): 115
SB4 (0-1'): 241	SB21 (4-5'): 1780	SB35 (2-3'): 433	SB49 (4-5'): 218
SB6 (2-3'): 1690	SB22 (0-1'): 843	SB35 (4-5'): 2030	SB50 (2-3'): 6570
SB8 (1-2'): 196	SB24 (0-1'): 2320	SB35 (6-7'): 112	SB50 (4-5'): 110
SB9 (0-1'): 364	SB24 (2-3'): 163	SB36 (0-1'): 350	SB52 (2-3'): 347
SB10 (0-1'): 1210	SB25 (0-1'): 1200	SB36 (2-3'): 1630	SB53 (0-1'): 151
SB10 (11-12'): 414	SB25 (2-3'): 163	SB37 (0-1'): 233	SB53 (2-3'): 147
SB11 (1-2'): 93400	SB26 (0-1'): 6950	SB37 (2-3'): 1940	SB53 (4-5'): 151
SB12 (0-1'): 1590	SB26 (2-3'): 2130	SB38 (0-1'): 468	SB53 (10-11'): 14800
SB13 (1-2'): 328	SB26 (4-5'): 410	SB39 (0-1'): 810	SB54 (0-1'): 108
SB14 (0-1'): 413	SB27 (0-1'): 921	SB39 (4-5'): 293	SB54 (2-3'): 316
SB16 (1-2'): 8270	SB28 (0-1'): 702	SB41 (0-1'): 667	SB55 (0-1'): 180
SB17 (0-1'): 3830	SB29 (0-1'): 1260	SB42 (0-1'): 81800	SB56 (0-1'): 3430
SB19 (0-1'): 242	SB29 (4-5'): 343	SB42 (4-5'): 286	SB56 (2-3'): 856
SB19 (2-3'): 12900	SB30 (0-1'): 530	SB43 (0-1'): 1320	SB57 (0-1'): 1340
SB19 (4-5'): 892	SB30 (0-1'): 166	SB44 (0-1'): 356	SB57 (2-3'): 6000
SB19 (8-9'): 499	SB32 (0-1'): 600	SB45 (0-1'): 167	SB58 (0-1'): 1770
SB20 (0-1'): 344	SB33 (0-1'): 2290	SB46 (0-1'): 3230	SB58 (2-3'): 290
SB20 (2-3'): 1490	SB34 (0-1'): 523	SB46 (2-3'): 5530	
Mercury (0.15-8 mg/kg ^{pH})			
SB6 (2-3'): 17.8	SB17 (0-1'): 26.4	SB35 (0-1'): 14.4	SB56 (0-1'): 19.1
SB11 (1-2'): 42.8	SB19 (8-9'): 7.44	SB53 (10-11'): 8.53	SB58 (2-3'): 10.2
SB16 (1-2'): 17.2	SB21 (4-5'): 46.9	SB55 (0-1'): 17.5	
Selenium (1.3-8.8 mg/kg ^{pH})			
SB2 (2-3'): 3.18	SB13 (1-2'): 6.32	SB17 (0-1'): 2.43	SB35 (0-1'): 3.34
SB5 (2.6-3.6'): 5.83	SB14 (0-1'): 3.39	SB19 (2-3'): 5.33	SB35 (4-5'): 4.82
SB6 (2-3'): 2.28	SB16 (1-2'): 4.16	SB26 (2-3'): 5.28	SB46 (0-1'): 1.41
SB11 (1-2'): 16.4			
Benzo(a)anthracene (2 mg/kg)			
SB11 (1-2'): 3.8	SB16 (1-2'): 4.1		
Carbazole (0.6 mg/kg)			
SB11 (1-2'): 0.93			
Benzene (0.03 mg/kg)			
SB12 (0-1'): 0.20	SB33 (0-1'): 0.243	SB33 (2-3'): 0.071	SB34 (2-3'): 0.246
SB30 (0-1'): 0.237			
1,2-Dichloropropane (0.03 mg/kg)			
SB33 (0-1'): 0.108			

Soil Component to Groundwater Ingestion Exposure Route Exceedances		
1,1,2-Trichloroethane (0.02 mg/kg)		
SB33 (0-1'): 4.16	SB34 (2-3'): 0.124	
<i>trans</i> -1,3-Dichloropropene (0.004 mg/kg)		
SB34 (2-3'): 0.056		
Pentachlorophenol (0.02-0.54 mg/kg ^{pH})		
SB34 (2-3'): 0.675		

^{pH} indicates SRO is pH-specific. Results compared to applicable SRO based on sample pH.

The locations exhibiting exceedances of the soil component to groundwater ingestion exposure route are presented in Figure 15.

6.4.2 Groundwater Component to Groundwater Ingestion

The Tier 1 evaluation revealed the following constituents in one or more groundwater samples concentrations exceeding the Tier 1 GROs for the groundwater ingestion exposure route:

- Manganese
- Ethylbenzene
- Naphthalene
- 2-methylnaphthalene
- PCBs, total

The identified concentrations exceeding the groundwater component to the groundwater ingestion exposure route are summarized in *Table 6.4.2*.

Table 6.4.2
Groundwater Component to the Groundwater Ingestion Exposure Route Exceedances

Groundwater Ingestion Exposure Route Exceedances			
Constituent	GRO (mg/L)	Location	Result (mg/L)
Ethylbenzene	0.7	MW1	0.83
Naphthalene	0.14	MW1	0.29
2-Methylnaphthalene	0.028	MW1	0.13
Manganese	0.15	MW1	1.51
		MW3	0.908
		MW4	0.845
PCBs, total	0.0005	MW3	0.00195
		MW3 (re-sample)	0.00353

The locations exhibiting exceedances of the groundwater component to the groundwater ingestion exposure route are presented in Figure 16.

7.0 CONCLUSION

Fehr Graham has prepared this *CSIR* for the Site on behalf of the Remedial Applicant, the City of Dixon. The Site is located along the Rock River approximately 0.25 miles from downtown Dixon and is currently planned for redevelopment including a recreational path and residential and/or commercial development. Historical uses of the Site include junkyard and scrap metal recycling operations, which were discontinued in 2017. Fehr Graham has performed extensive environmental investigation activities to identify the presence and extent of chemical impacts associated with historical operations and the recognized environmental conditions identified during the Phase I ESA.

Soil, groundwater, and soil gas samples collected from the Site were laboratory analyzed for a comprehensive suite of parameters based on the suspected constituents of concern, and results were compared to the most stringent remediation objectives for residential and construction worker populations and Class I groundwater, as established in *TACO*.

During the Site investigations, several constituents were identified in soil exceeding the applicable remediation objectives, including the following:

VOCs

- Benzene
- 1,2-Dichloropropane
- trans-1,3-Dichloropropene
- 1,1,2-Trichloroethane
- Xylenes, total

SVOCs

- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Bis(2-ethylhexyl)phthalate
- Carbazole
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Pentachlorophenol

Metals

- Arsenic
- Antimony
- Copper
- Lead
- Mercury
- Selenium
- Zinc

PCBs (total)

Chemical concentrations in soil were identified exceeding the soil ingestion and inhalation exposure route for residential and construction worker receptors, and the soil component to the groundwater ingestion exposure route. In addition, lead was identified in select samples at concentrations exceeding the toxicity characteristic threshold by TCLP analysis, and PCBs were found in excess of 50 ppm. Remediation is required at the Site to mitigate risk to human health and the environment from impacted soil.

In addition, several constituents were identified in groundwater exceeding the applicable remediation objectives, including the following:

VOCs

- Ethylbenzene

SVOCs

- 2-Methylnaphthalene
- Naphthalene

Metals

- Manganese

PCBs (total)

Chemical concentrations in groundwater were identified exceeding the groundwater ingestion exposure route and the indoor inhalation exposure route for residential receptors. In addition, free phase LNAPL was identified in MW3 consisting of diesel fuel and PCBs. Remediation and/or institutional controls will be required at the Site to mitigate risk to human health and the environment from impacted groundwater.

No volatile constituents were detected in soil gas at concentrations exceeding the applicable Tier 1 SGROs.

Sample locations have included areas that have the greatest potential for contamination based on former Site operations. The Site has been substantially characterized; however additional investigation may be necessary to define remediation extents and/or evaluate the applicability of remedial technologies. This *CSIR* has been prepared for review and approval by the Illinois EPA SRP as a first step towards achieving a comprehensive NFR for the Site. Future submittals will include, at a minimum, a *Remedial Objectives Report*, *Remedial Action Plan*, and *Remediation Action Completion Report*. The Remedial Applicant desires to protect human health and the environment at the Site and redevelop the Site and surrounding area for future recreational, residential, and/or commercial use.

8.0 REFERENCES

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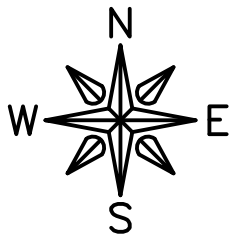
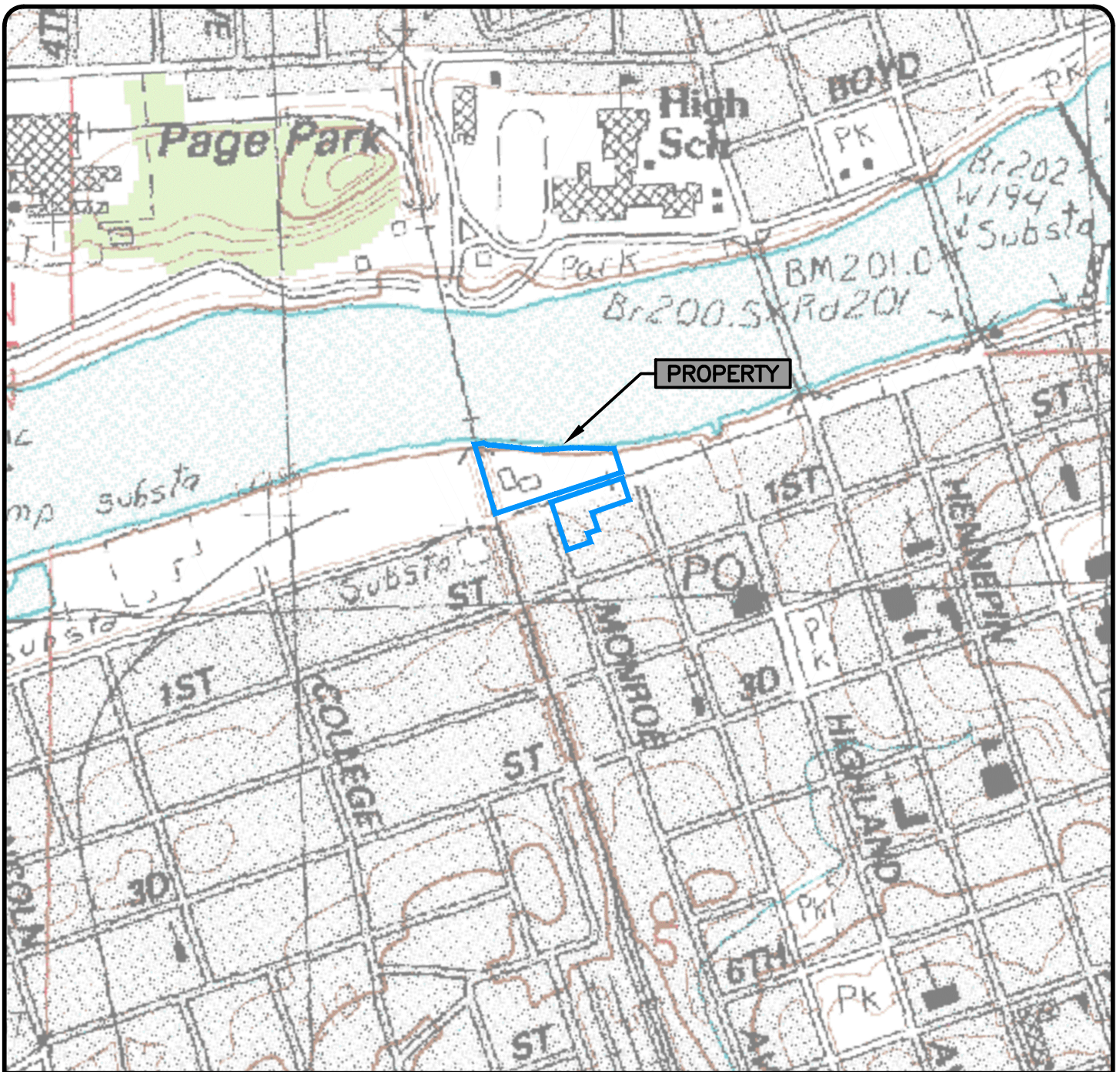
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Figures

Figure 1
Site Vicinity Map



600 0 600
GRAPHIC SCALE IN FEET

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TITLE:

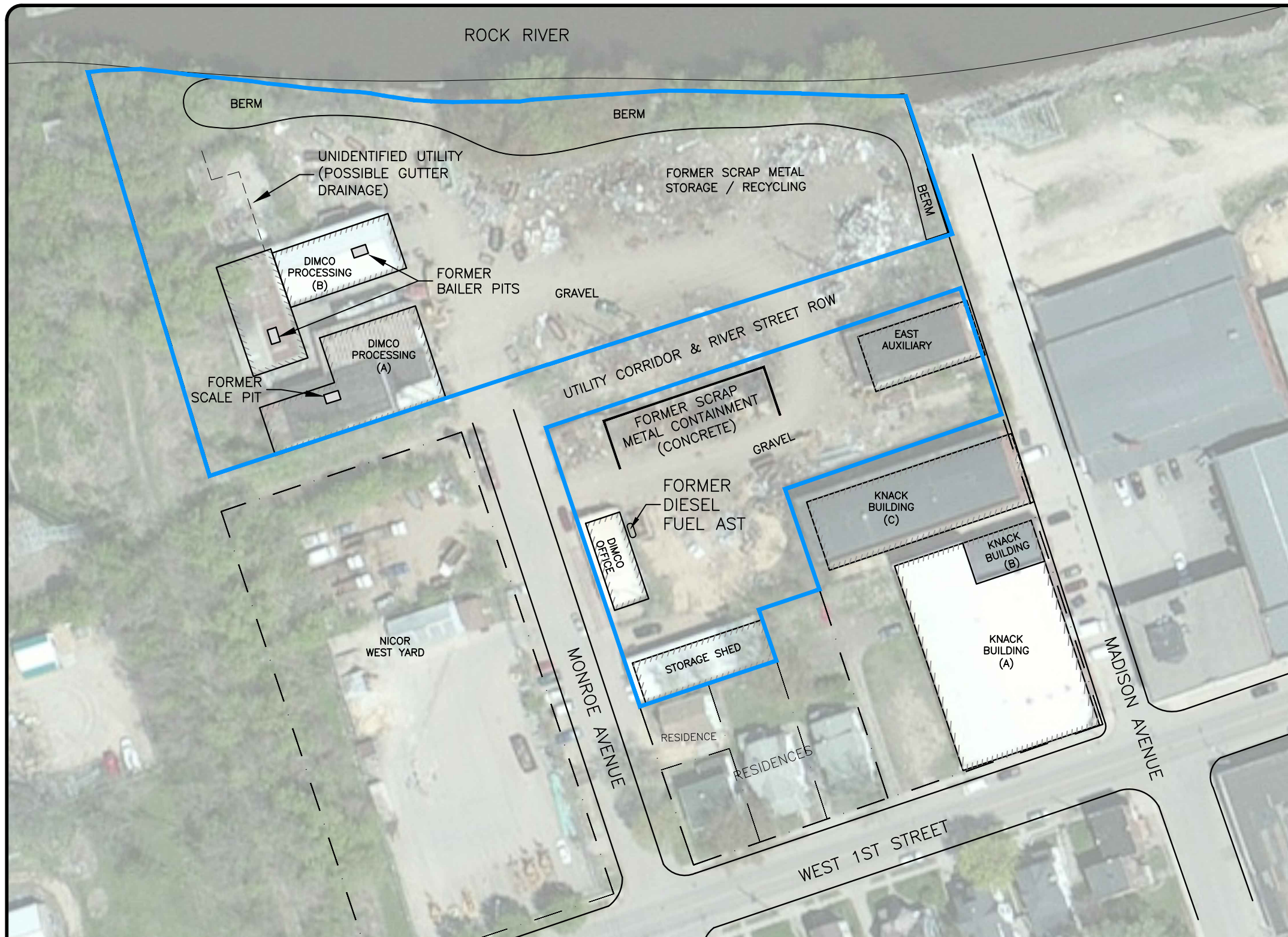
SITE VICINITY MAP

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18-552

PLOT DATE: 10/22/18

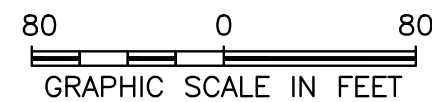
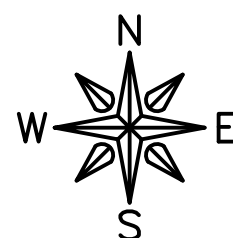
FIGURE:
1

Figure 2
Site Layout Map



LEGEND

- APPROXIMATE PROPERTY BOUNDARIES
- ▨ PROPERTY BUILDINGS
- REMEDIATION SITE BOUNDARY



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TITLE:

SITE LAYOUT MAP

JOB NO.: 17-570H PH02E1
18-552

PLOT DATE: 10/22/18

FIGURE:
2

Figure 3
Sample Location Map

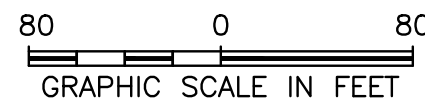
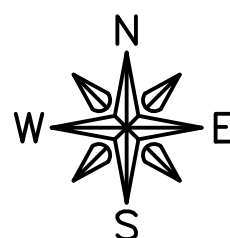


LEGEND

- ⊕ PREVIOUS SOIL BORINGS/SAMPLES (2017)
- ⊕ PREVIOUS MONITORING WELLS (2017)
- △ PREVIOUS SOIL BORING/SOIL GAS (2017)
- ⊙ SOIL BORINGS/SAMPLES (2018)
- - - APPROXIMATE PROPERTY BOUNDARIES
- SOIL BORING (SB15) NOT INSTALLED DUE TO UTILITIES
- ▨ PROPERTY BUILDINGS

LEGEND

- ⊕ SOIL BORINGS (2017)
- ⊕ MONITORING WELLS
- △ SOIL BORING/SOIL GAS POINT (2017)
- ⊙ SOIL BORINGS (2018)
- - - APPROXIMATE PROPERTY BOUNDARIES
- ▨ PROPERTY BUILDINGS
- SITE BOUNDARY



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TITLE:

SAMPLE LOCATION MAP

JOB NO.: 17-570H PH02E1
18-552

PLOT DATE: 10/22/18

FIGURE:
3

Figure 4

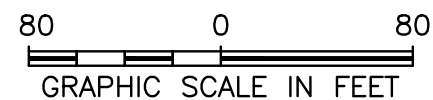
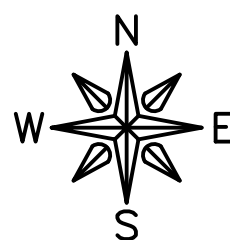
Geologic Cross-Sections

- Figure 4A - Location Layout
- Figure 4B - A-A'
- Figure 4C - B-B'
- Figure 4D - C-C'



LEGEND

- SOIL BORINGS (2017)
- ⊕ MONITORING WELLS
- ▲ SOIL BORING/SOIL GAS POINTS (2017)
- ⊙ SOIL BORINGS (2018)
- APPROXIMATE PROPERTY BOUNDARIES
- ▨ PROPERTY BUILDINGS
- SITE BOUNDARY
- A — A' CROSS SECTION



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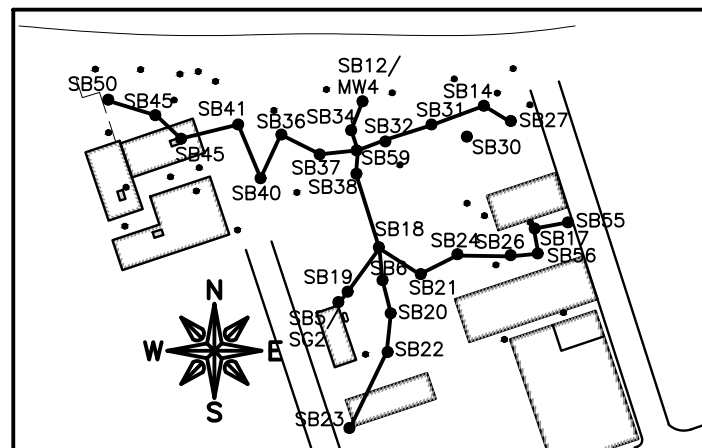
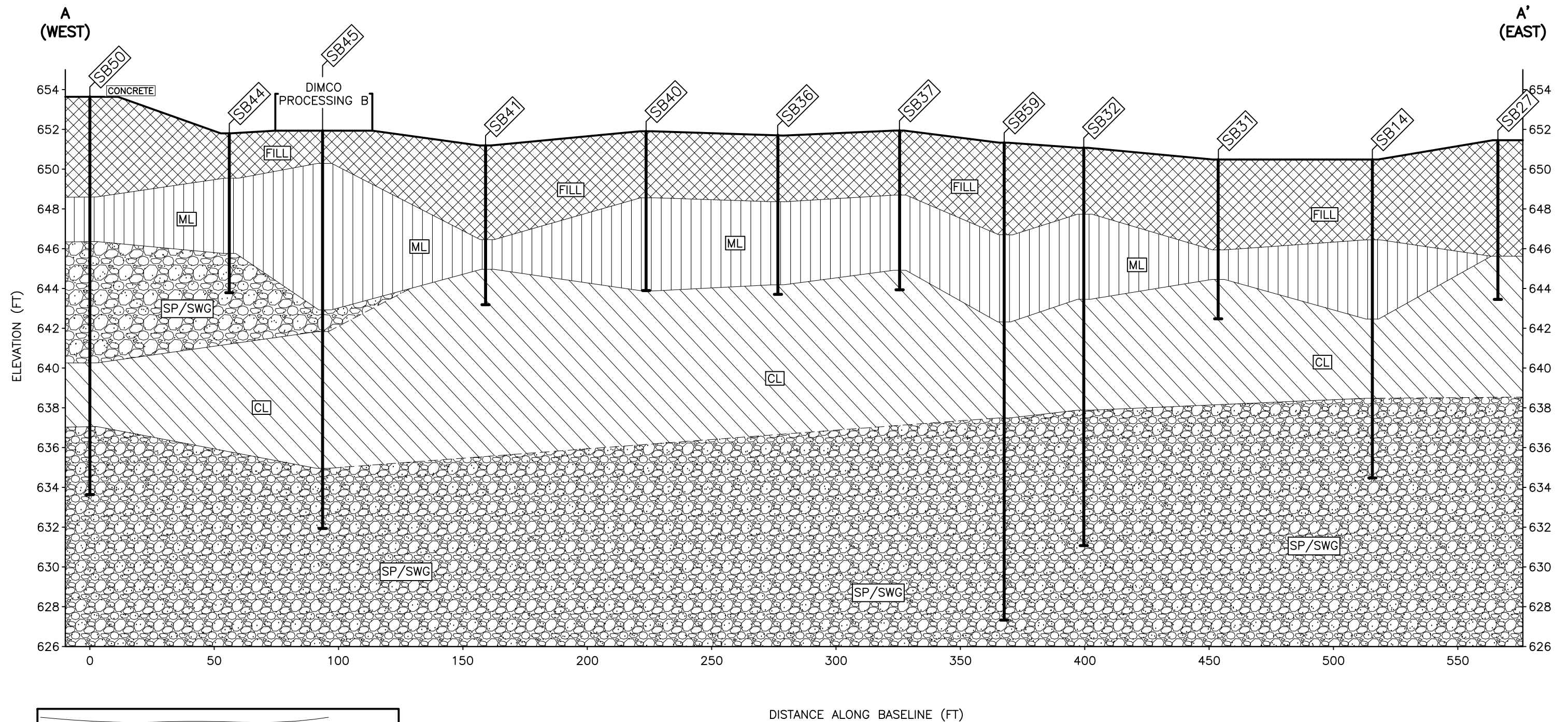
TITLE:

**GEOLOGIC
CROSS-SECTIONS —
LOCATION LAYOUT**

JOB NO.: 17-570H PH02E1
18-552

PLOT DATE: 10/22/18

FIGURE:
4A



G:\C3D\17-570H\Exhibits\17-570H_BASE MAP.dwg, XSECTION_A-A

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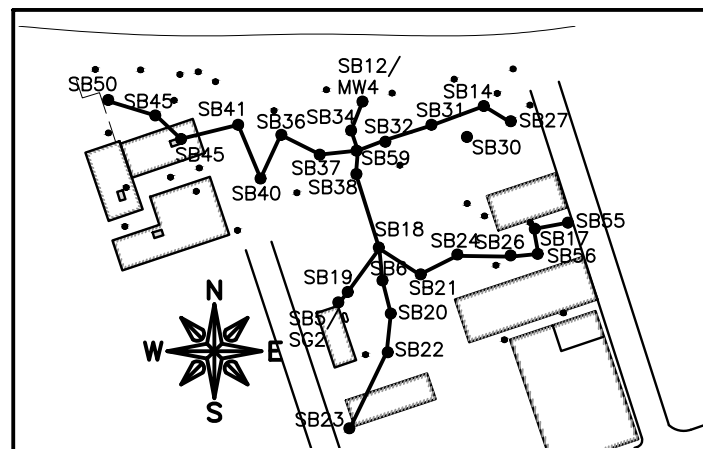
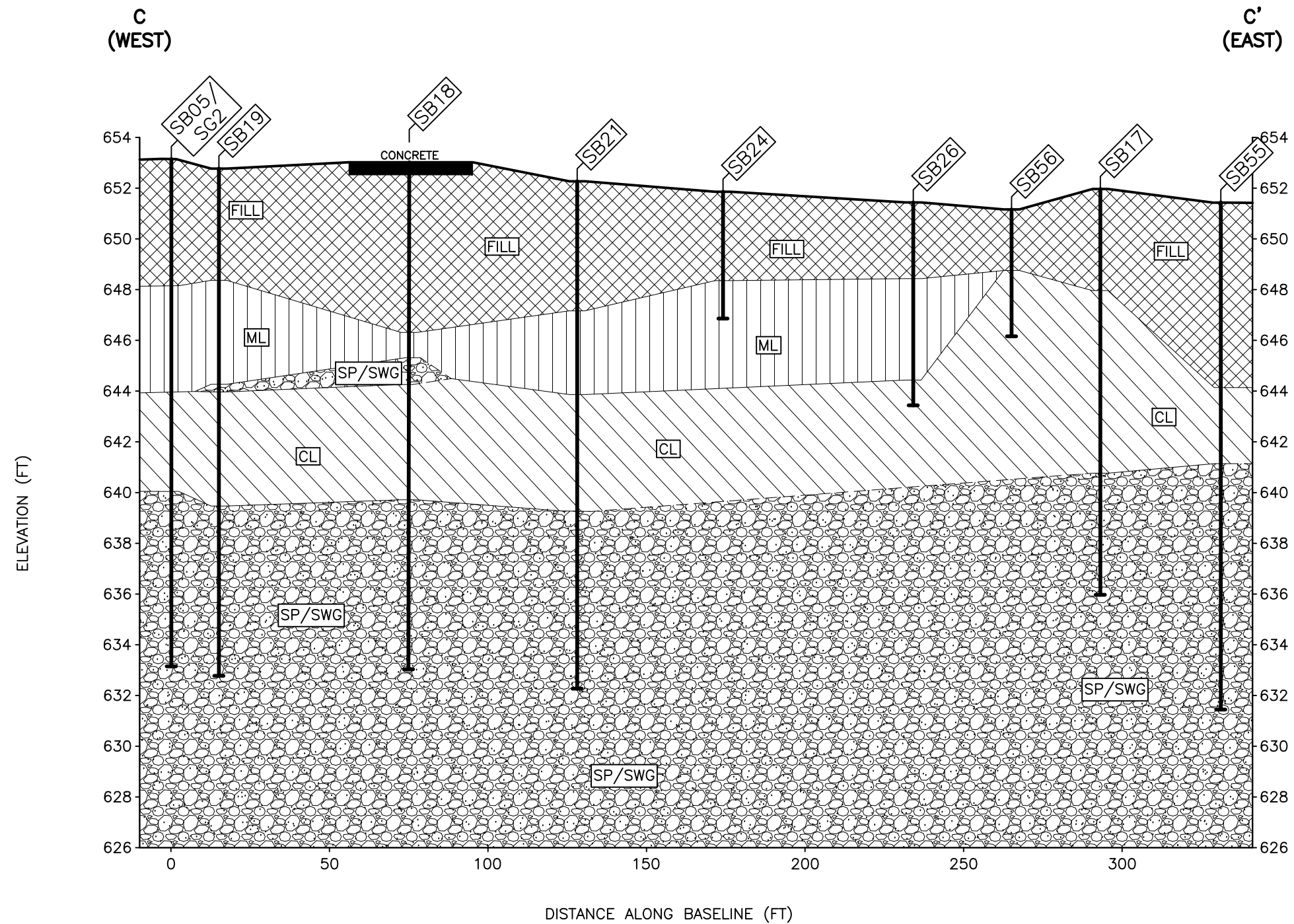
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**GEOLOGIC
CROSS-SECTION
A-A'**

JOB NO.:17-570H
18-552

PLOT DATE: 10/22/18

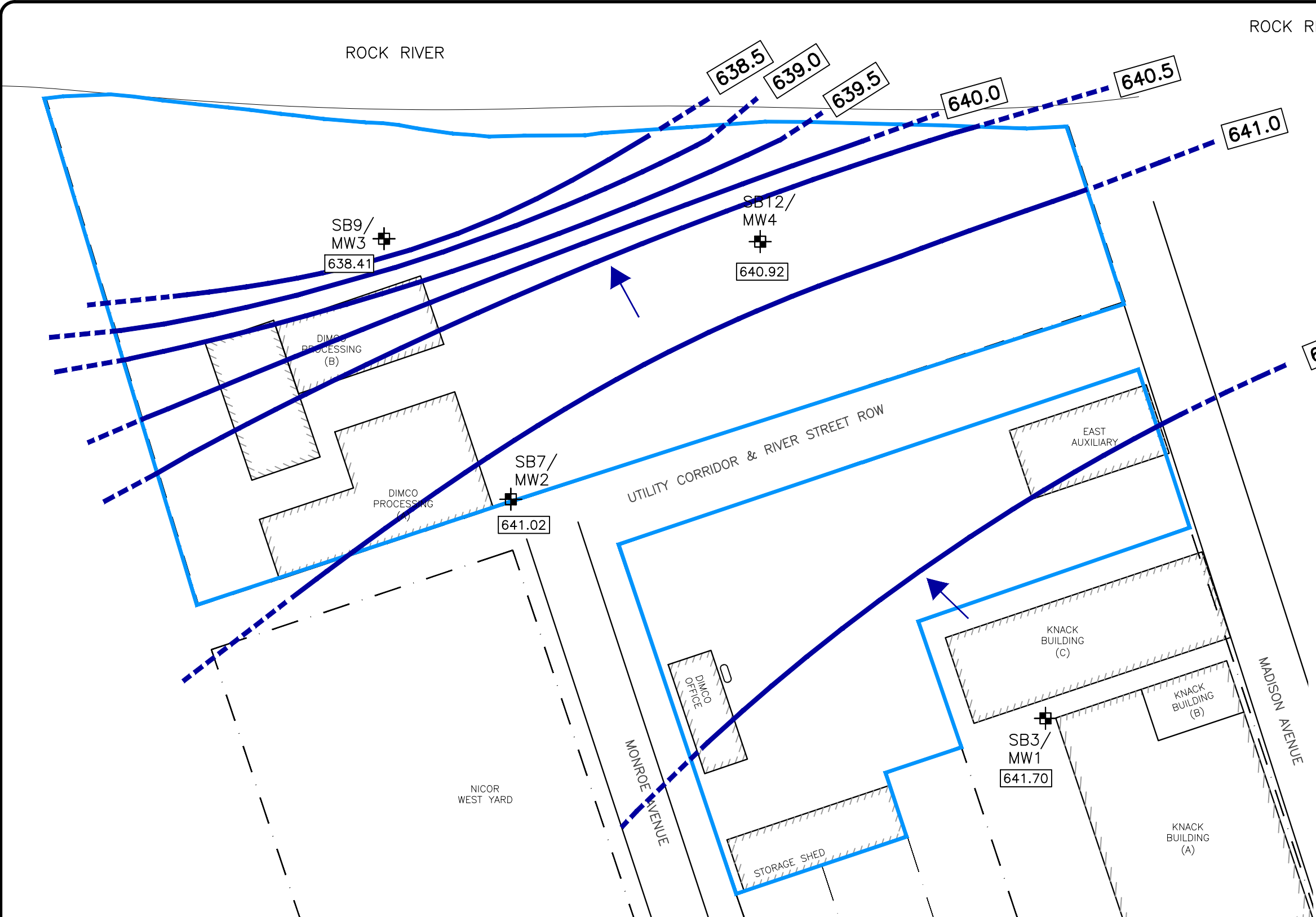
FIGURE:
4B



FEHR GRAHAM ENGINEERING & ENVIRONMENTAL DIMCO 78 MONROE AVE. DIXON, IL 61021 DRWN: MKH DATE: 09/19/17 APPD: RG	ILLINOIS IOWA WISCONSIN	TITLE: GEOLOGIC CROSS-SECTION C-C' JOB NO.: 17-570H 18-552 PLOT DATE: 10/22/18	FIGURE: 4D
	© 2018 FEHR GRAHAM		

Figure 5

Shallow Groundwater Potentiometric Surface Map



LEGEND

- MONITORING WELLS
- GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION
- APPROXIMATE PROPERTY BOUNDARIES
- PROPERTY BUILDINGS
- SITE BOUNDARY

NOTE: ELEVATION MEASUREMENTS
TAKEN 9/27/18

NEARBY RIVER GAUGE USED TO
DETERMINE ELEVATION OF ROCK RIVER
APPROXIMATELY 522 FEET EAST OF
THE SITE.

GROUNDWATER ELEVATION AT MW3 NOT CORRECTED
FOR LNAPL

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TITLE:
**SHALLOW GROUNDWATER
POTENTIOMETRIC
SURFACE MAP**

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DIXON, IL 61021

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18-552

FIGURE:
5

DRWN: MKH DATE: 09/19/17 APPD: RG

PLOT DATE: 10/22/18

Figure 6
Volatile Organic Compound Exceedances in Soil

ROCK RIVER

SB34		
2-3'	B	0.246
	tDPE	0.0560
	TCA	0.124
	X	8.01

SB12		
0-1'	B	0.20
	X	54

SB33		
0-1'	B	0.243
	DPA	0.108
	TCA	4.16
	X	51.6
2-3'	B	0.0713

TIER I REMEDIATION OBJECTIVES

CHEMICAL	RESIDENTIAL		CONST. WORKER		SOIL COMPONENT TO GROUNDWATER - CLASS I
	INGESTION	INHALATION	INGESTION	INHALATION	
BENZENE	12	0.8	2,300	2.2	0.03
1,2-DICHLOROPROPANE	9	15	1,800	0.5	0.03
trans-1,3-DICHLOROPROPENE	6.4	1.1	1,200	0.39	0.004
1,1,2-TRICHLOROETHANE	310	1,800	8,200	1,800	0.02
XYLENES, TOTAL	16,000	320	41,000	5.6	150

- 0-1' SAMPLE DEPTH
- B BENZENE (mg/kg)
- DPA 1,2-DICHLOROPROPANE (mg/kg)
- tDPE trans-1,3-DICHLOROPROPENE (mg/kg)
- TCA 1,1,2-TRICHLOROETHANE (mg/kg)
- X XYLENES, TOTAL (mg/kg)

LEGEND

- SOIL BORINGS (2017)
- MONITORING WELLS
- SOIL BORING/SOIL GAS POINT (2017)
- SOIL BORINGS (2018)
- APPROXIMATE PROPERTY BOUNDARIES
- PROPERTY BUILDINGS
- SITE BOUNDARY

UTILITY CORRIDOR & RIVER STREET ROW

MONROE AVENUE

NICOR
WEST YARD

STORAGE SHED

FORMER
DIESEL
FUEL AST

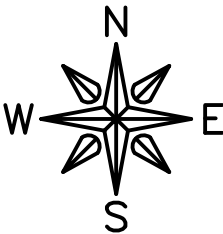
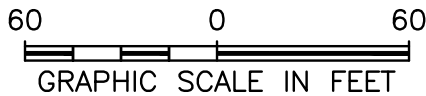
OFFICE
DIMCO

KNACK
BUILDING
(C)

KNACK
BUILDING
(B)

KNACK
BUILDING
(A)

MADISON AVENUE



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TITLE:
**VOLATILE ORGANIC
COMPOUND
EXCEEDANCES IN SOIL**

JOB NO.:17-570H PH02E1
18-552
PLOT DATE: 10/22/18

FIGURE:
6

Figure 7

Semi-Volatile Organic Compound Exceedances in Soil

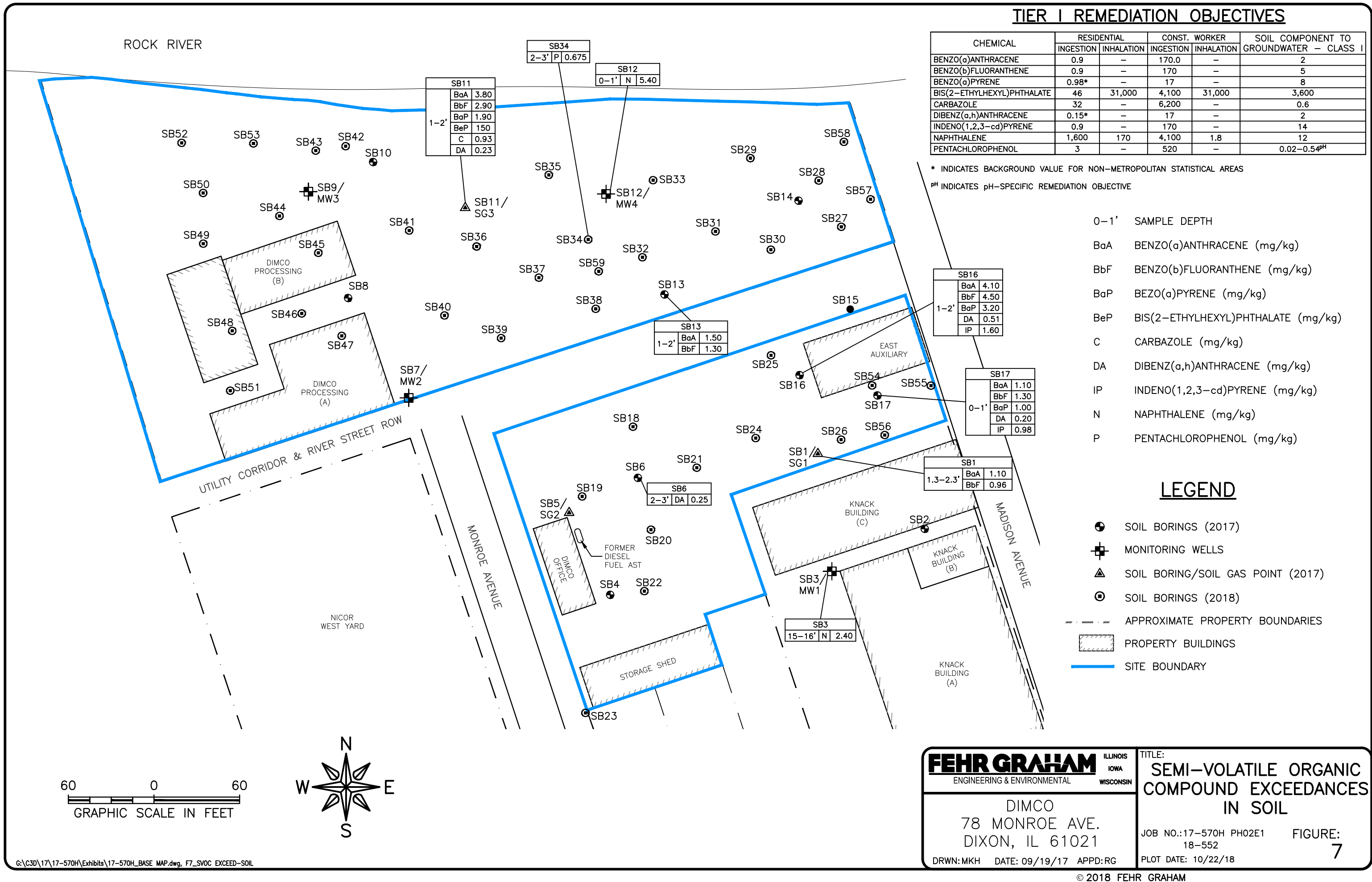
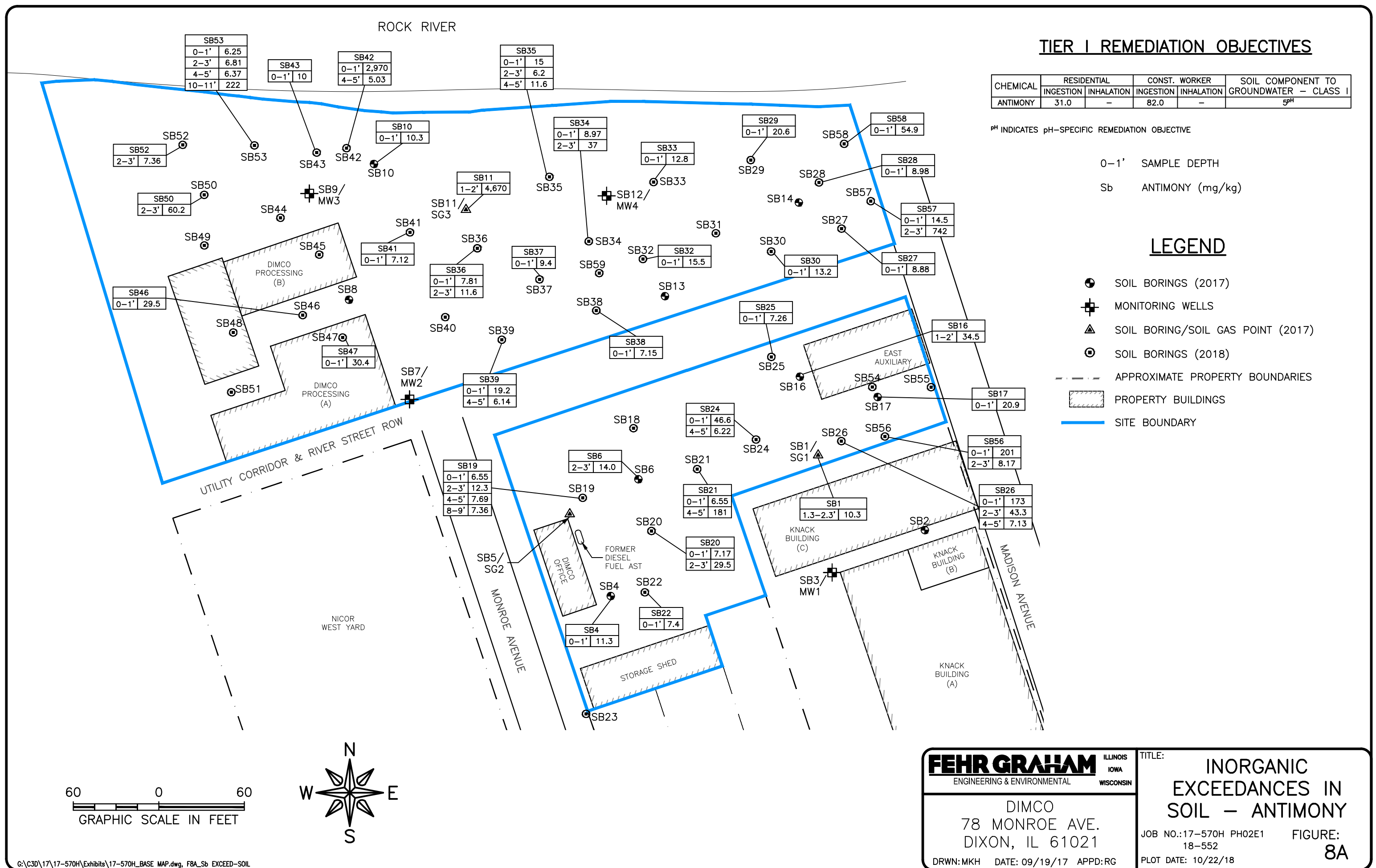


Figure 8

Inorganic Exceedances in Soil

- Figure 8A - Antimony
- Figure 8B - Arsenic
- Figure 8C - Lead
- Figure 8D - Mercury
- Figure 8E - Other Metals



ROCK RIVER

TIER I REMEDIATION OBJECTIVES

CHEMICAL	RESIDENTIAL		CONST. WORKER		SOIL COMPONENT TO GROUNDWATER - CLASS I
	INGESTION	INHALATION	INGESTION	INHALATION	
ARSENIC	11.3*	750	61.0	25,000	28-33 ^{pH}

* INDICATES BACKGROUND VALUE FOR NON-METROPOLITAN STATISTICAL AREAS

^{pH} INDICATES pH-SPECIFIC REMEDIATION OBJECTIVE

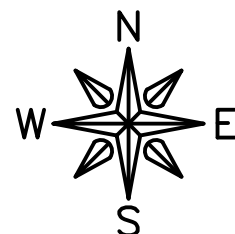
0-1' SAMPLE DEPTH

As ARSENIC (mg/kg)

LEGEND

- SOIL BORINGS (2017)
- MONITORING WELLS
- SOIL BORING/SOIL GAS POINT (2017)
- SOIL BORINGS (2018)
- APPROXIMATE PROPERTY BOUNDARIES
- PROPERTY BUILDINGS
- SITE BOUNDARY

60 0 60
GRAPHIC SCALE IN FEET



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TITLE:

INORGANIC
EXCEEDANCES IN
SOIL - ARSENIC

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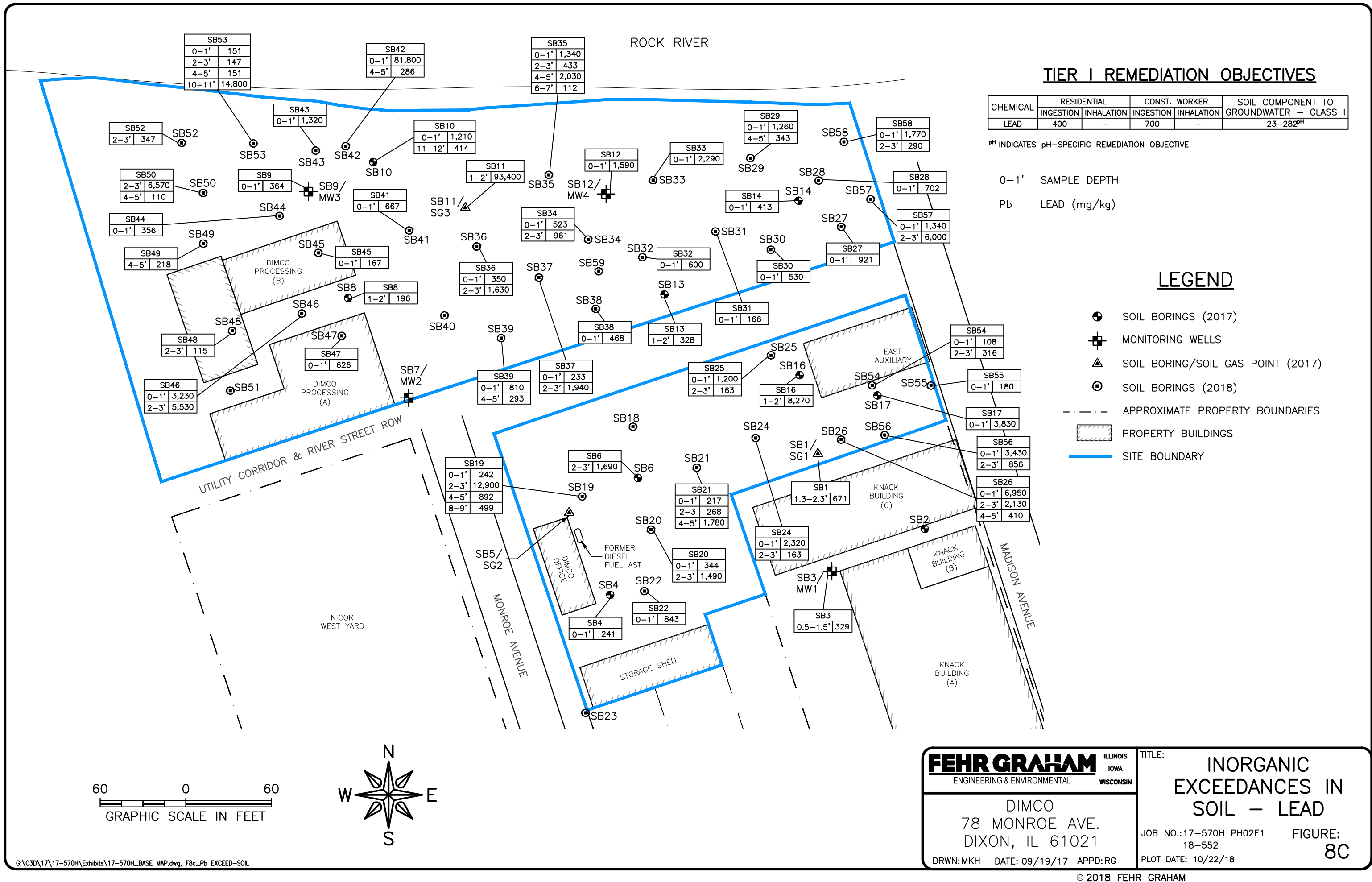
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18-552

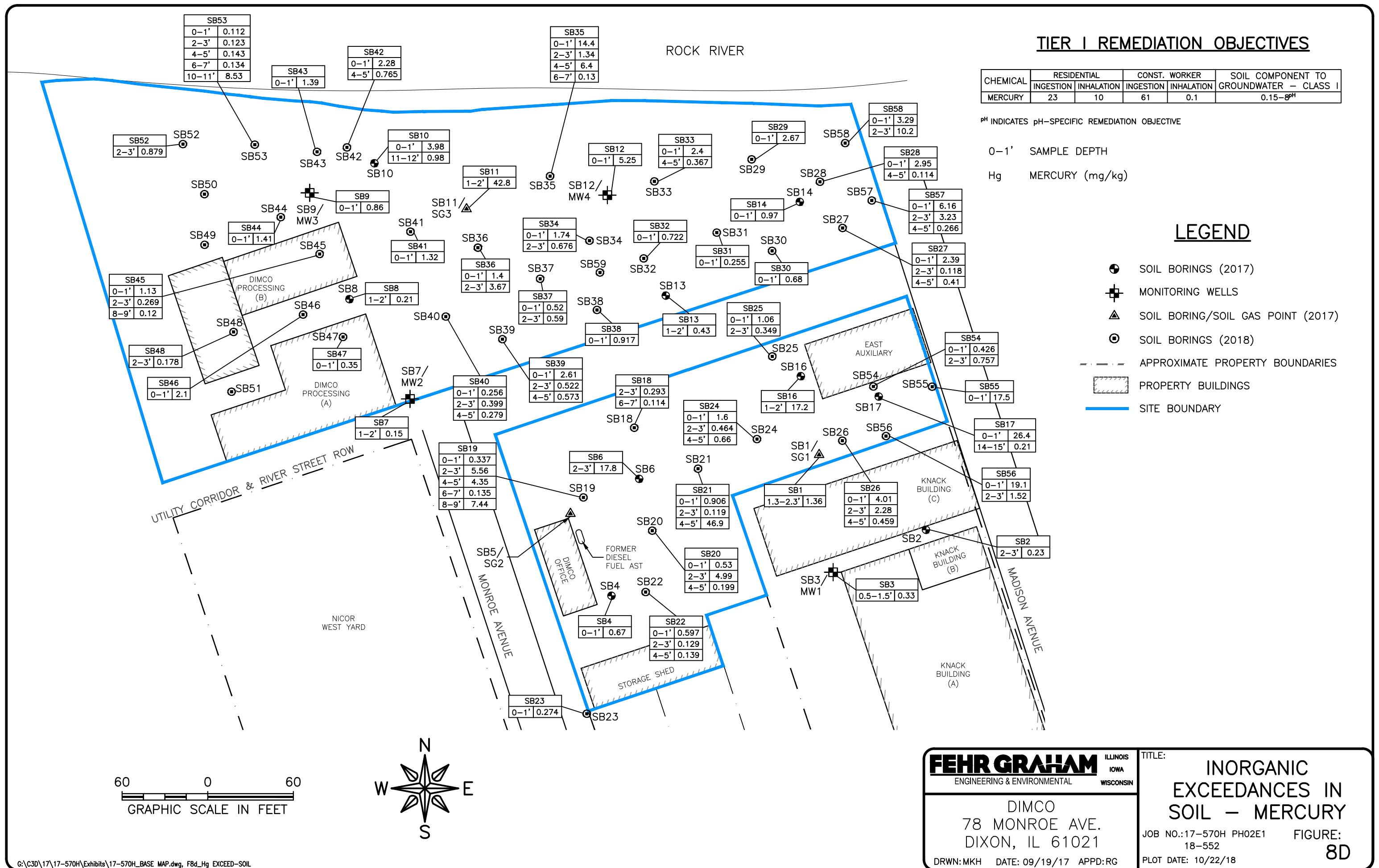
FIGURE:
8B

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TIER I REMEDIATION OBJECTIVES

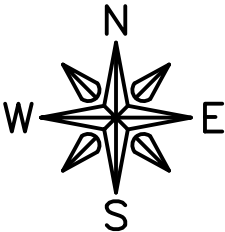
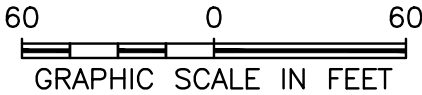
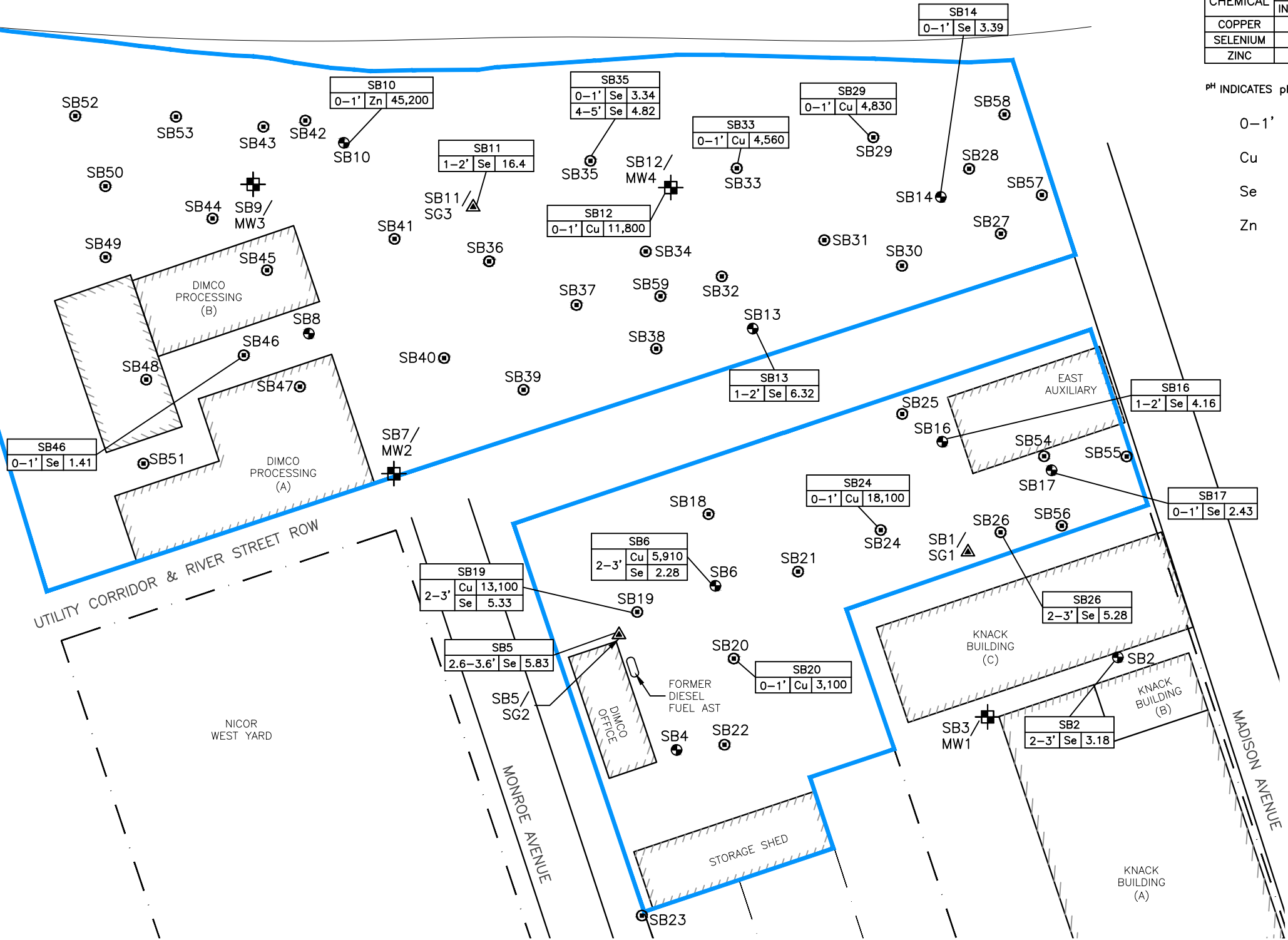
CHEMICAL	RESIDENTIAL		CONST. WORKER		SOIL COMPONENT TO GROUNDWATER - CLASS I
	INGESTION	INHALATION	INGESTION	INHALATION	
COPPER	9	15	1,800	0.5	11,000-330,000 ^{pH}
SELENIUM	6.4	1.1	1,200	0.39	1.3-8.8 ^{pH}
ZINC	310	1,800	8,200	1,800	3,600-53,000 ^{pH}

pH INDICATES pH-SPECIFIC REMEDIATION OBJECTIVE

0-1' SAMPLE DEPTH
Cu COPPER (mg/kg)
Se SELENIUM (mg/kg)
Zn ZINC (mg/kg)

LEGEND

- SOIL BORINGS (2017)
- MONITORING WELLS
- SOIL BORING/SOIL GAS POINT (2017)
- SOIL BORINGS (2018)
- APPROXIMATE PROPERTY BOUNDARIES
- PROPERTY BUILDINGS
- SITE BOUNDARY



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DRWN:MKH DATE: 09/19/17 APPD:RG

TITLE: INORGANIC EXCEEDANCES IN SOIL - OTHER METALS

JOB NO.:17-570H PH02E1 18-552

PLOT DATE: 10/22/18

FIGURE: 8E

Figure 9
PCB Exceedances in Soil

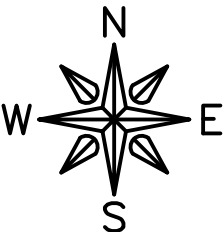
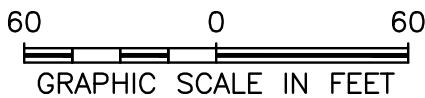
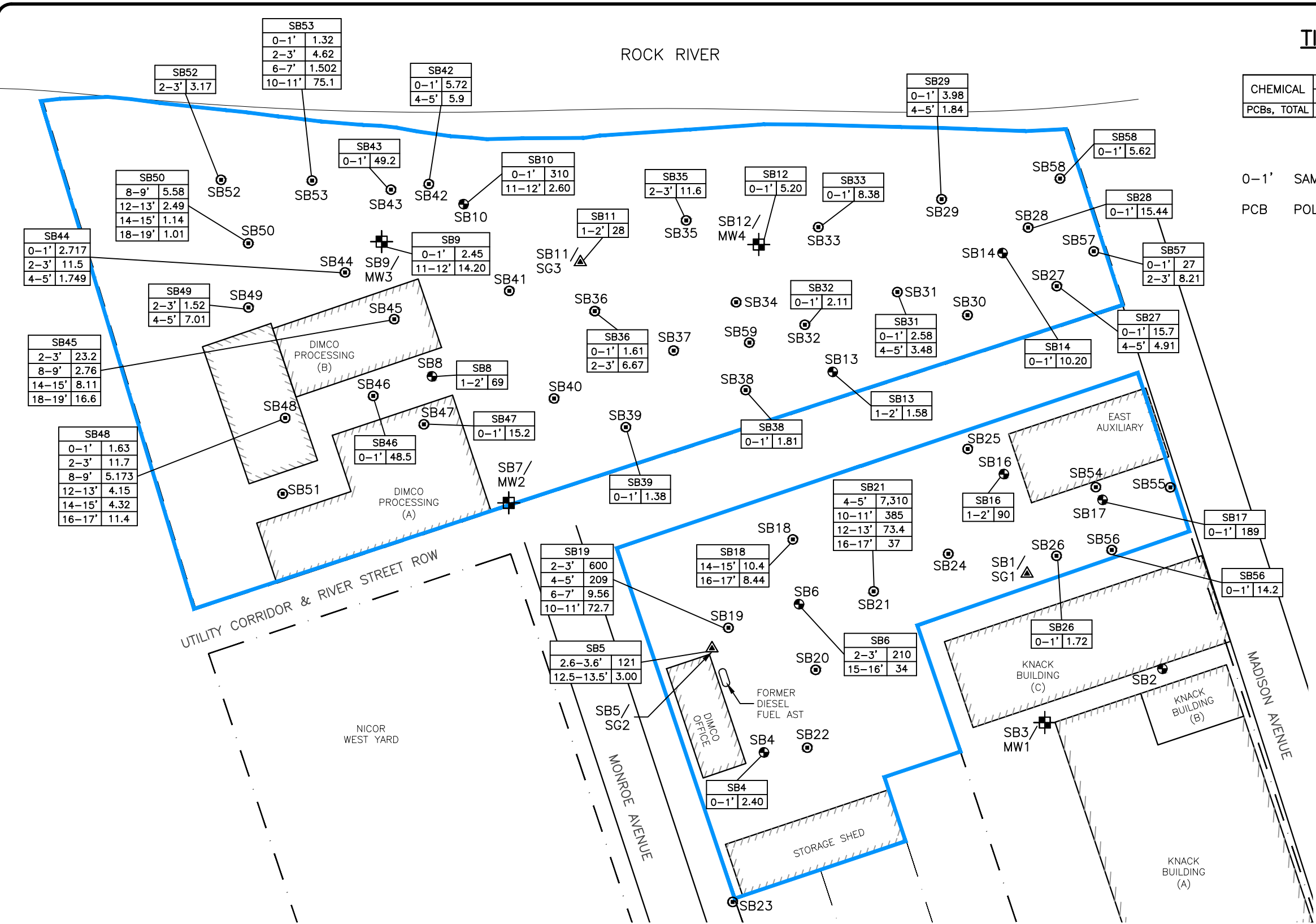
TIER I REMEDIATION OBJECTIVES

CHEMICAL	RESIDENTIAL		CONST. WORKER		SOIL COMPONENT TO GROUNDWATER - CLASS I
	INGESTION	INHALATION	INGESTION	INHALATION	
PCBs, TOTAL	1.0	-	1.0	-	-

0-1' SAMPLE DEPTH
PCB POLYCHLORINATED BIPHENYLS, TOTAL (mg/kg)

LEGEND

- SOIL BORINGS (2017)
- MONITORING WELLS
- SOIL BORING/SOIL GAS POINT (2017)
- SOIL BORINGS (2018)
- APPROXIMATE PROPERTY BOUNDARIES
- PROPERTY BUILDINGS
- SITE BOUNDARY



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TITLE:

PCB EXCEEDANCES
IN SOIL

DIMCO
78 MONROE AVE.
DIXON, IL 61021

JOB NO.: 17-570H PH02E1
18-552

FIGURE:
9

DRWN: MKH DATE: 09/19/17 APPD: RG

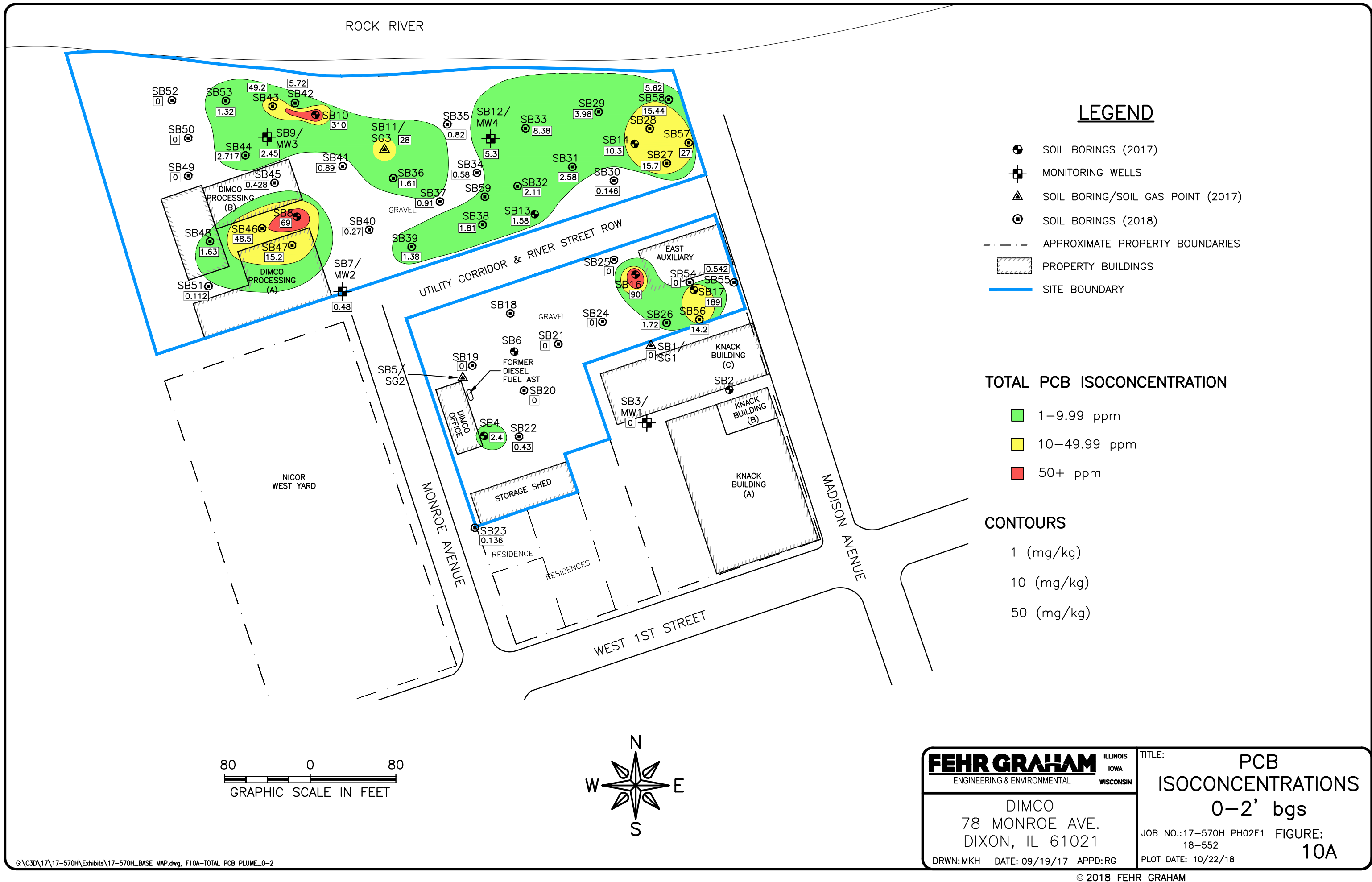
PLOT DATE: 10/22/18

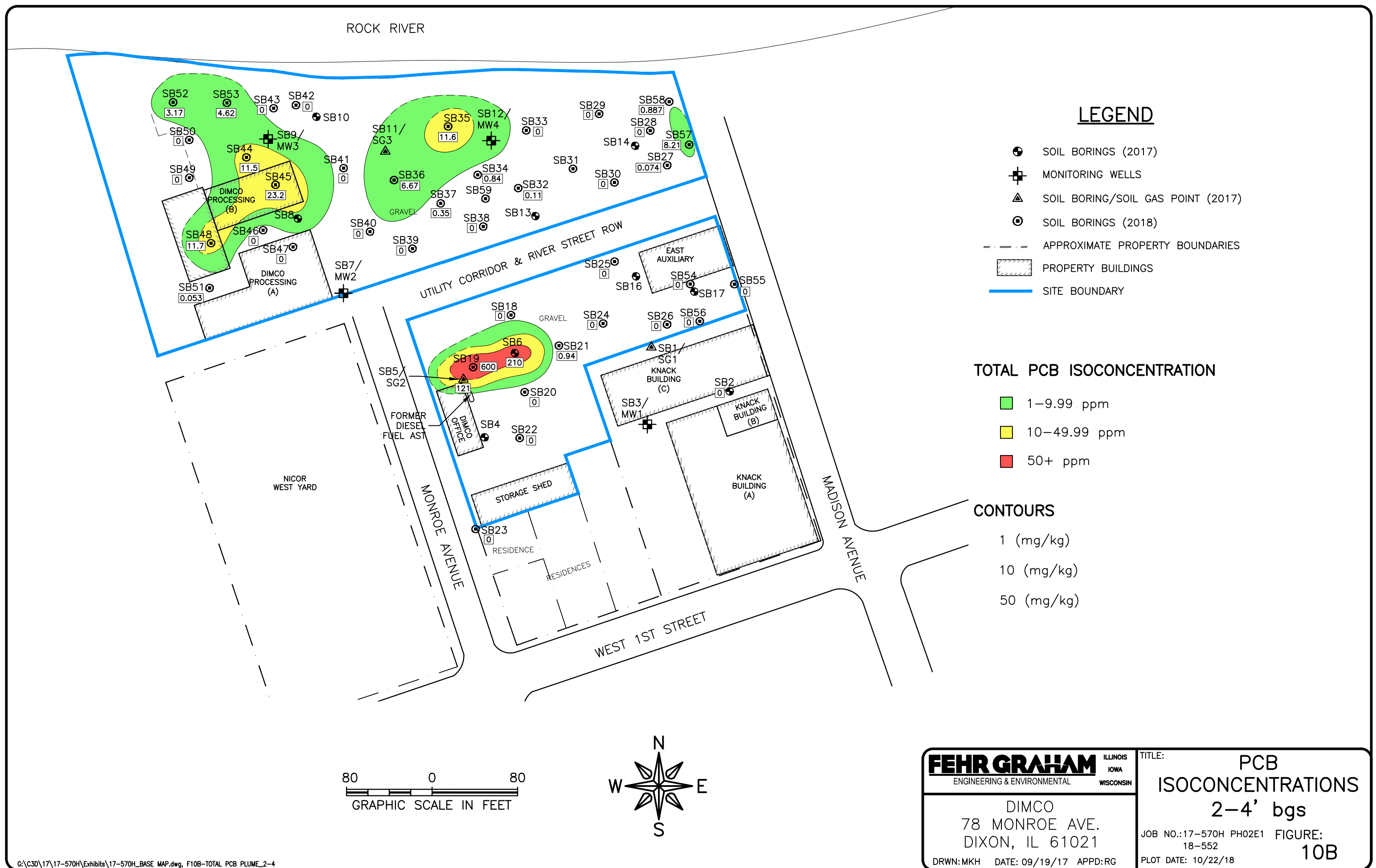
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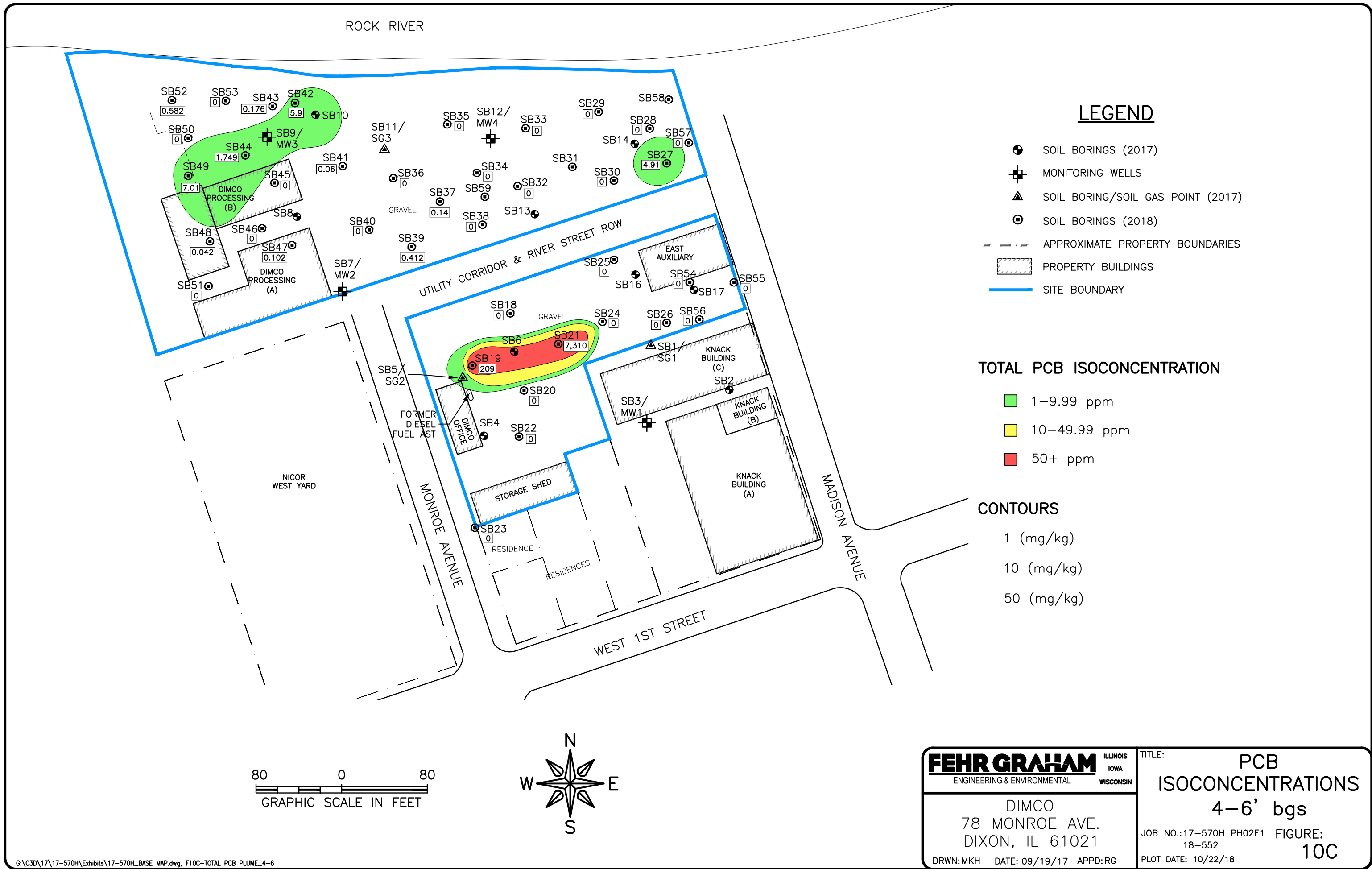
Figure 10

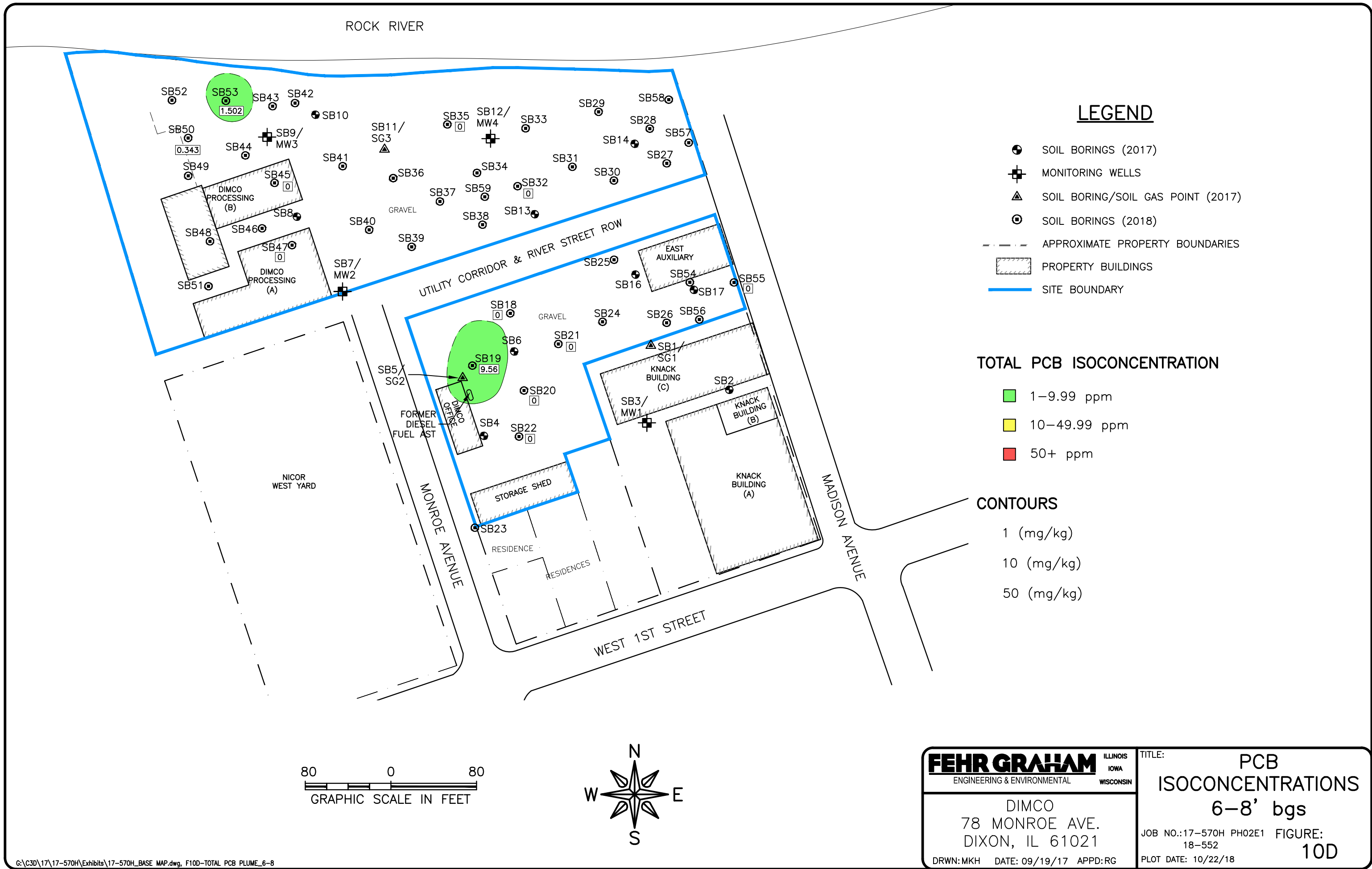
PCB Isoconcentrations

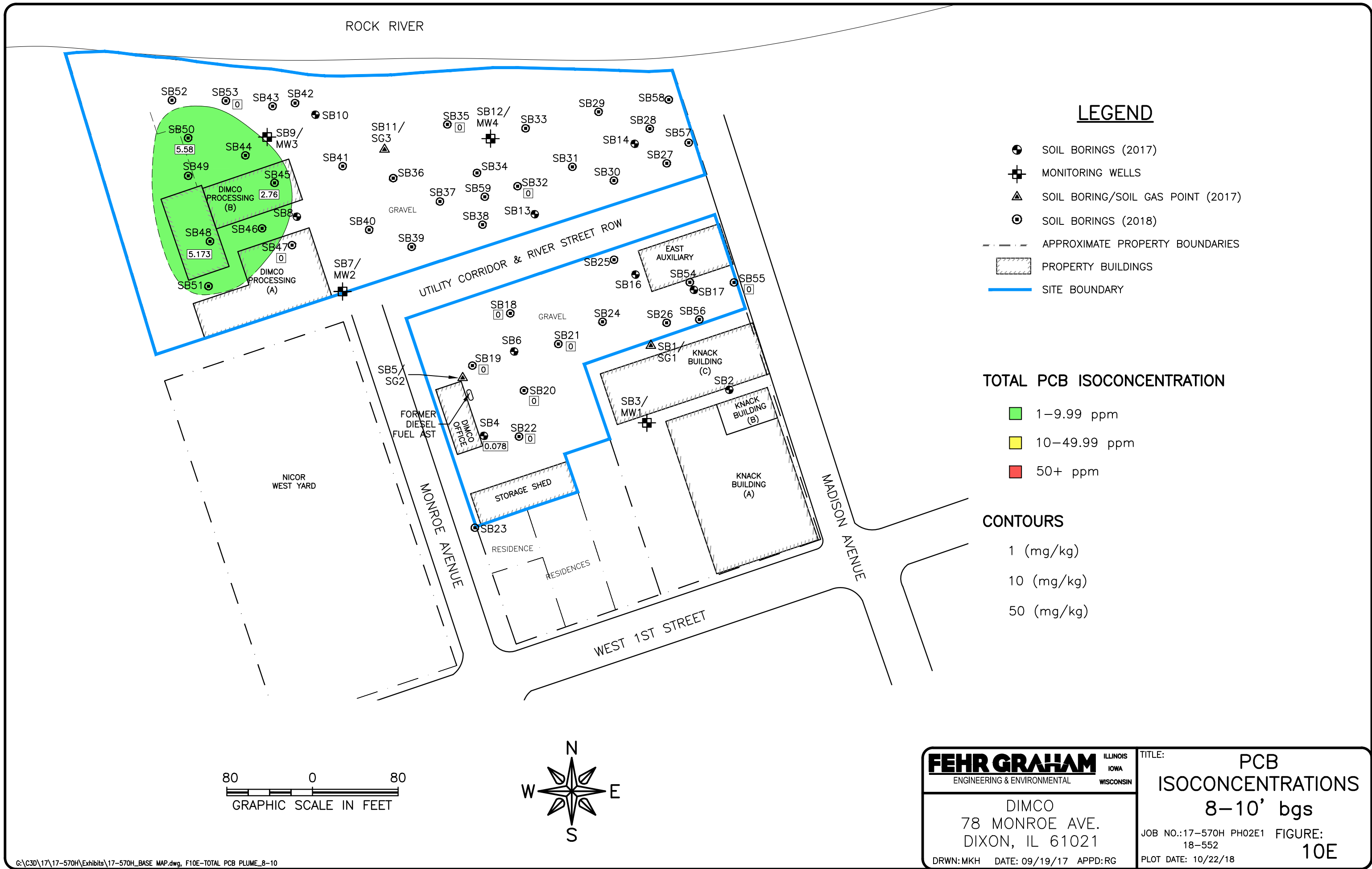
- Figure 10A - 0-2 feet bgs
- Figure 10B - 2-4 feet bgs
- Figure 10C - 4-6 feet bgs
- Figure 10D - 6-8 feet bgs
- Figure 10E - 8-10 feet bgs
- Figure 10F - 10-12 feet bgs
- Figure 10G - 12-14 feet bgs
- Figure 10H - 14-16 feet bgs
- Figure 10I - 16-18 feet bgs
- Figure 10J - 18-20 feet bgs

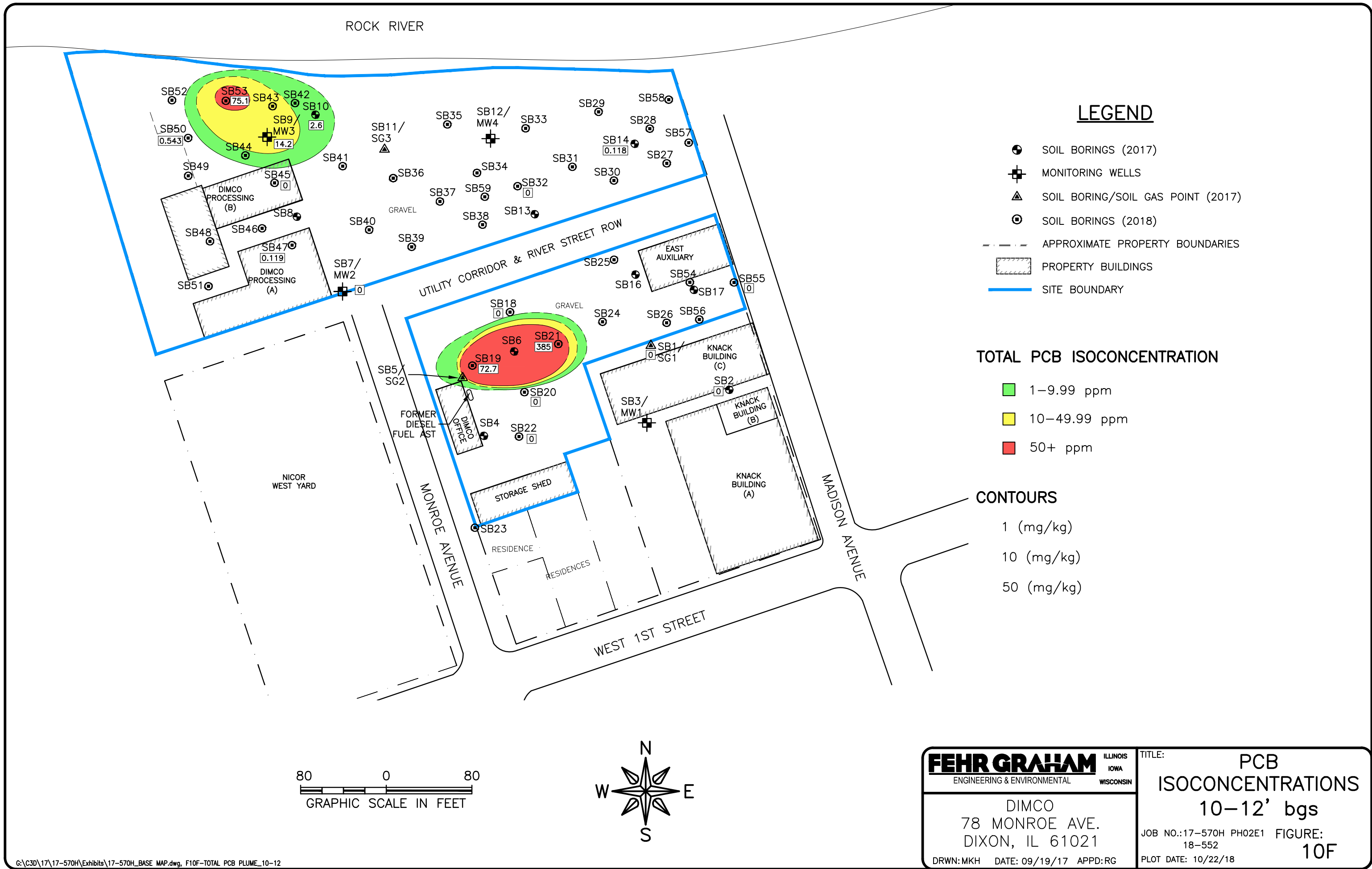


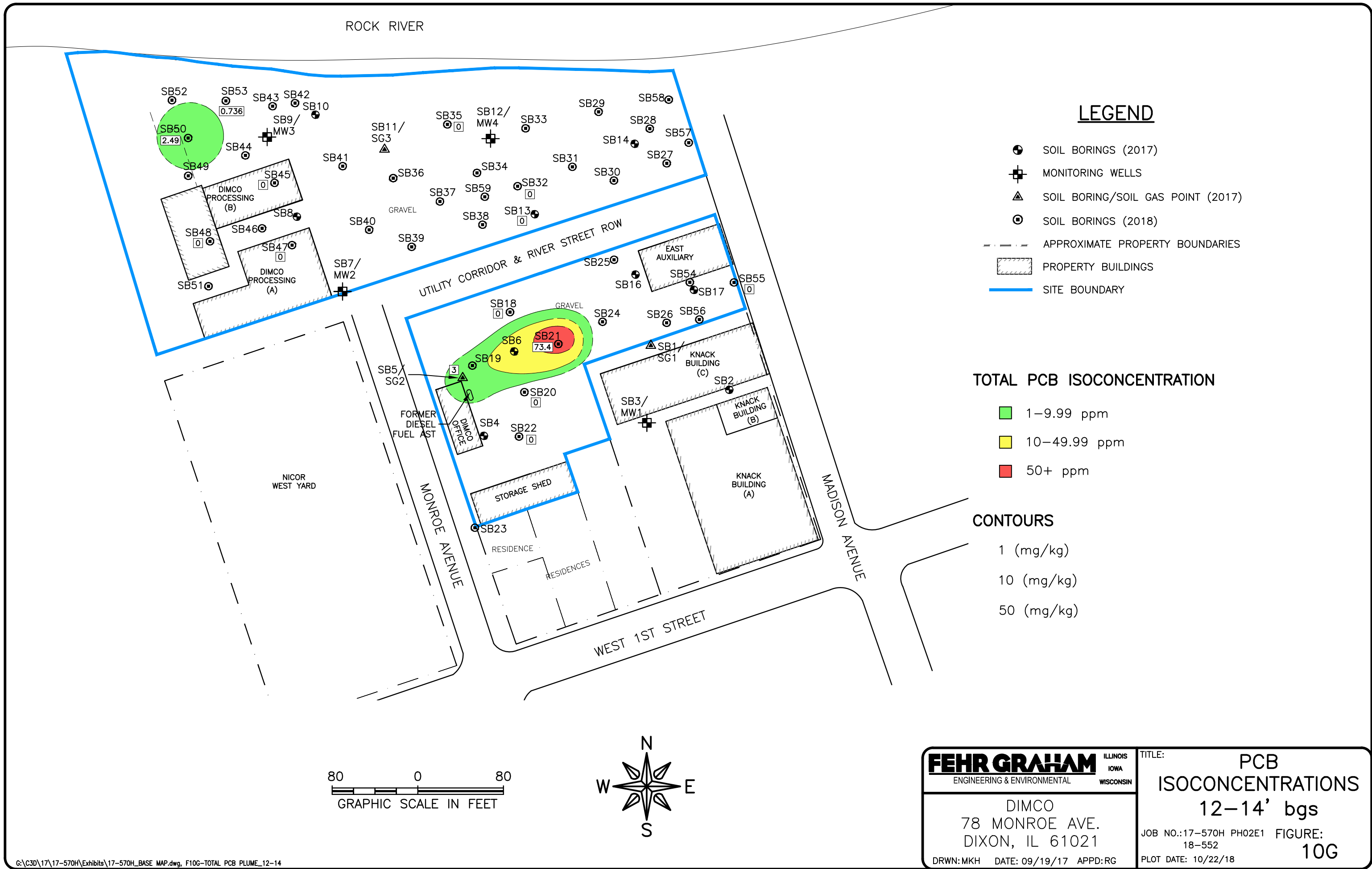


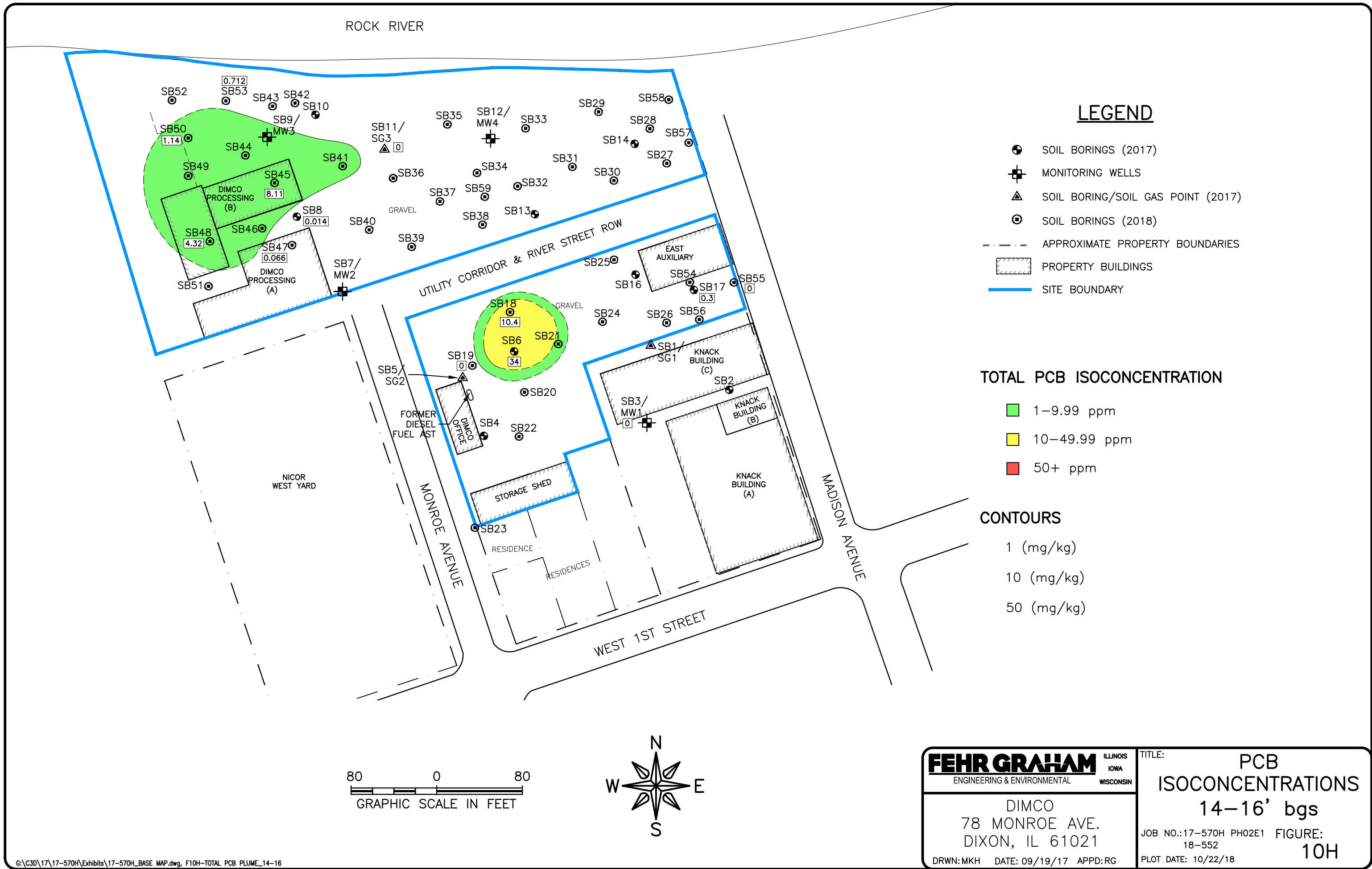


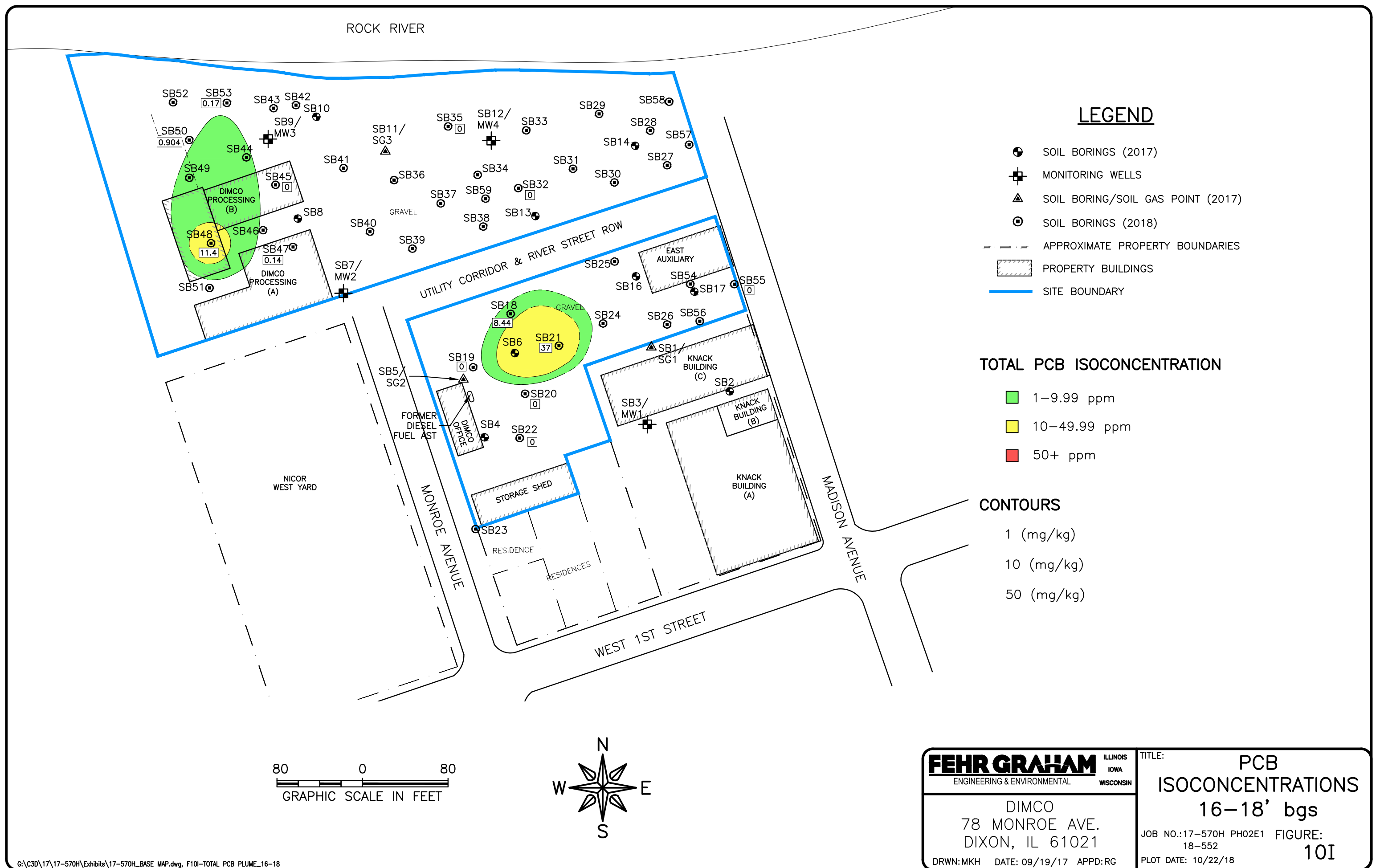












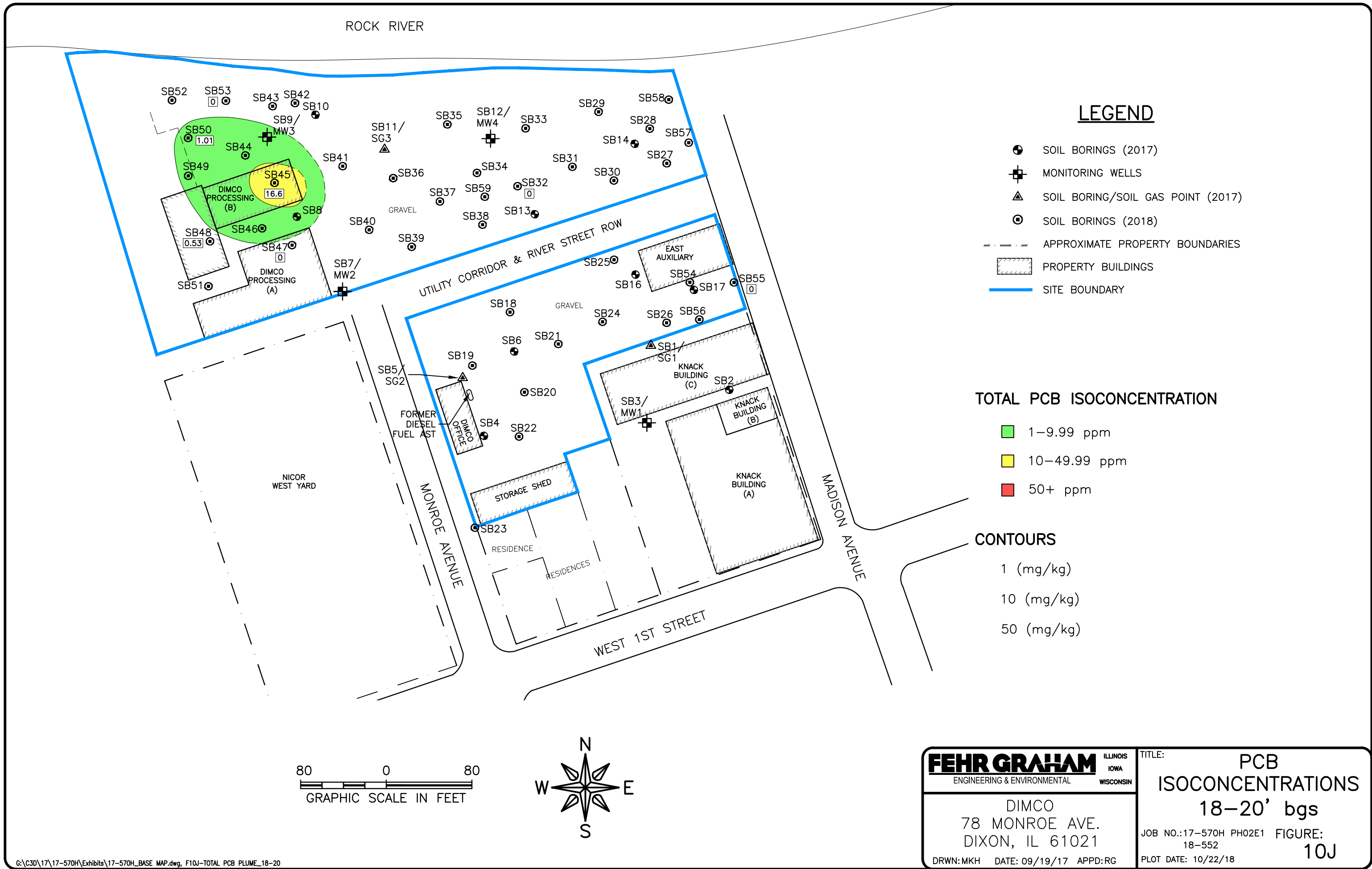


Figure 11
Exceedances in Groundwater

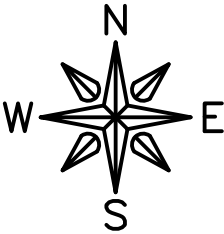
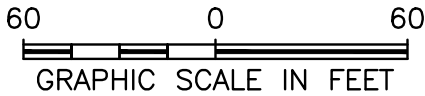
ROCK RIVER

TIER I REMEDIATION OBJECTIVES (mg/L)

CHEMICAL		GROUNDWATER INGESTION	INDOOR INHALATION
		CLASS I	RESIDENTIAL
ETHYLBENZENE	E	0.7	0.37
2-METHYLNAPHTHALENE	2M	0.028	25
NAPHTHALENE	N	0.14	0.075
MANGANESE	Mn	0.15	--
PCBs, TOTAL	PCB	0.0005	--

LEGEND

- SOIL BORINGS (2017)
- MONITORING WELLS
- SOIL BORING/SOIL GAS POINT (2017)
- SOIL BORINGS (2018)
- APPROXIMATE PROPERTY BOUNDARIES
- PROPERTY BUILDINGS
- SITE BOUNDARY



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TITLE:

EXCEEDANCES IN GROUNDWATER

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DIXON, IL 61021

JOB NO.:17-570H PH02E1
18-552

FIGURE:

11

DRWN:MKH DATE: 09/19/17 APPD:RG

PLOT DATE: 10/22/18

Figure 12
Outdoor Inhalation Exposure Route Exceedances

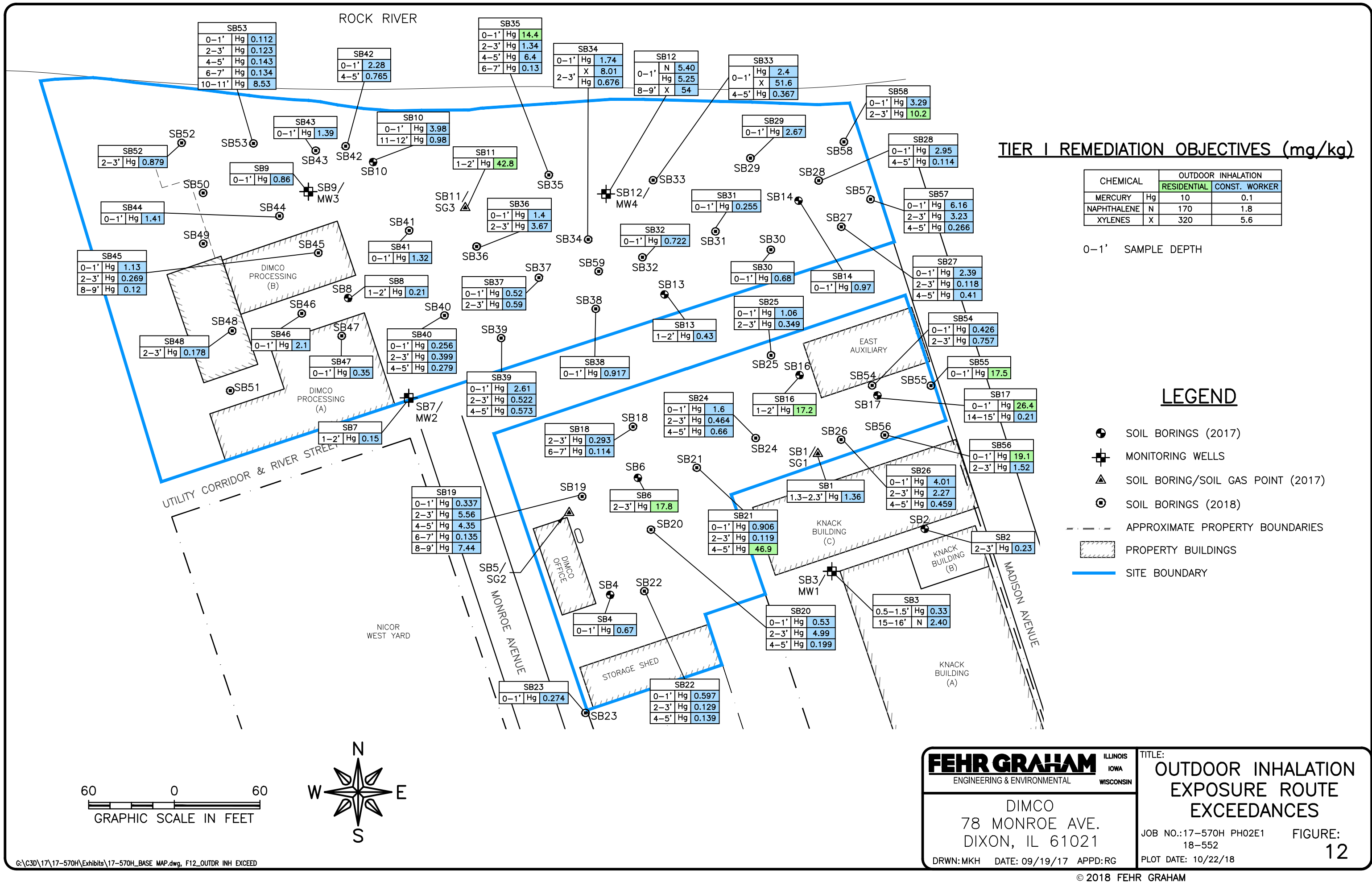


Figure 13
Indoor Inhalation Exposure Route Exceedances

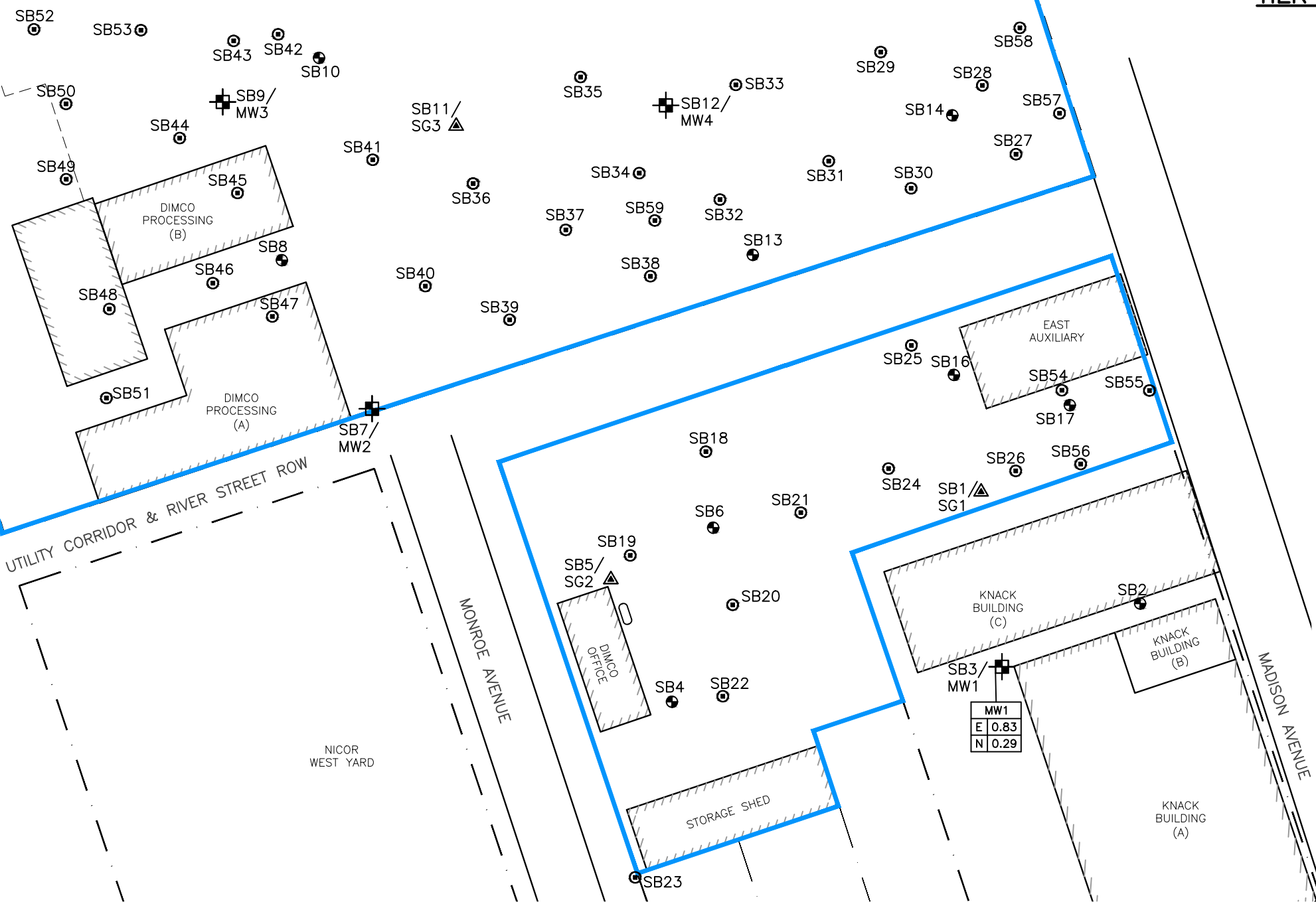
ROCK RIVER

TIER I REMEDIATION OBJECTIVES (mg/L)

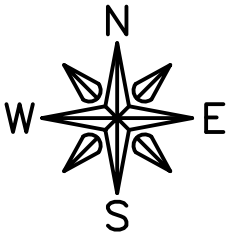
CHEMICAL		INDOOR INHALATION	
		RESIDENTIAL	
ETHYLBENZENE	E	10	
NAPHTHALENE	N	170	

LEGEND

- SOIL BORINGS (2017)
- MONITORING WELLS
- SOIL BORING/SOIL GAS POINT (2017)
- SOIL BORINGS (2018)
- APPROXIMATE PROPERTY BOUNDARIES
- PROPERTY BUILDINGS
- SITE BOUNDARY



60 0 60
GRAPHIC SCALE IN FEET



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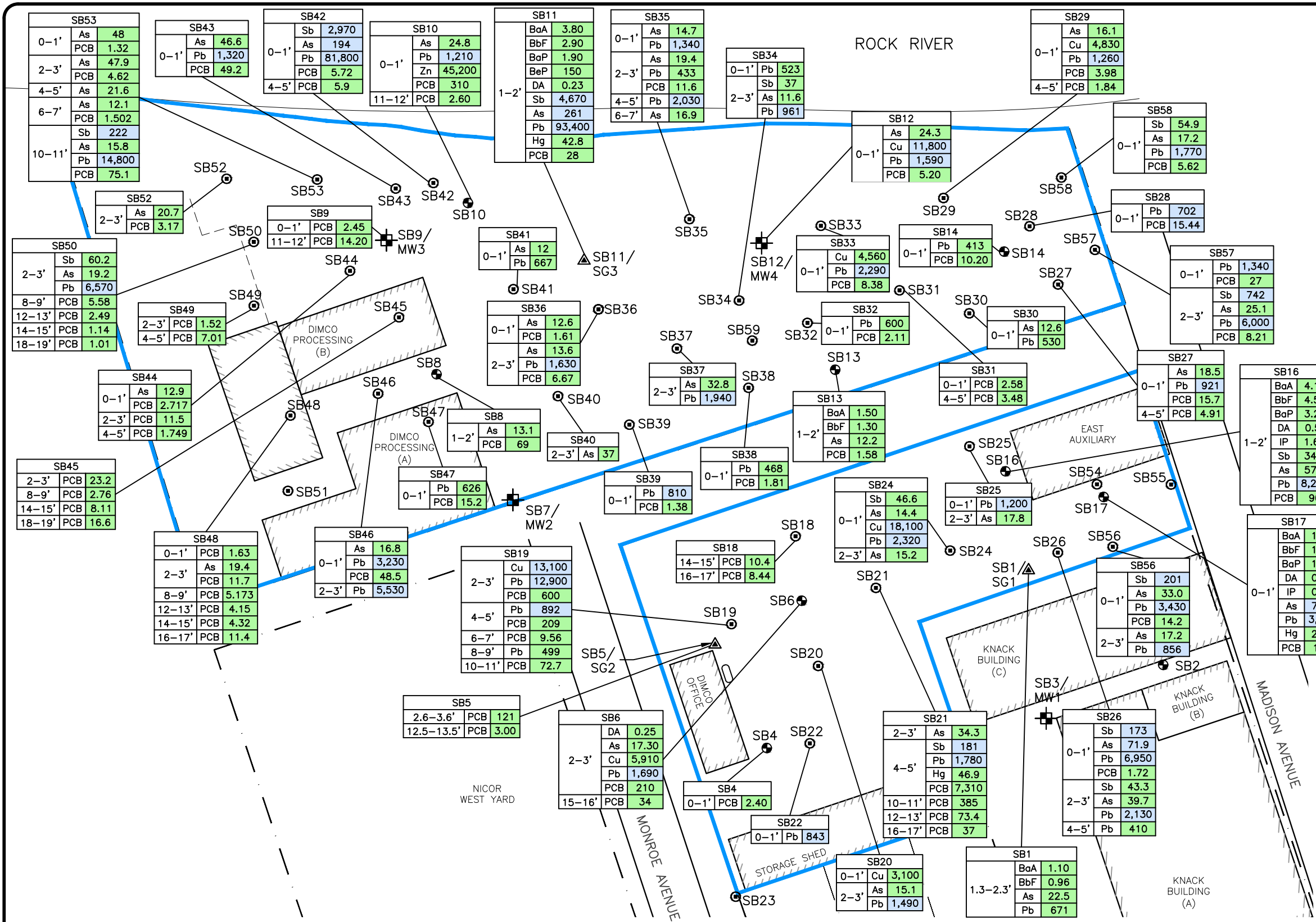
DIMCO
78 MONROE AVE.
DIXON, IL 61021

DRWN:MKH DATE: 09/19/17 APPD:RG

TITLE:
**INDOOR INHALATION
EXPOSURE ROUTE
EXCEEDANCES**

JOB NO.:17-570H PH02E1
18-552
PLOT DATE: 10/22/18
FIGURE:
13

Figure 14
Soil Ingestion Exposure Route Exceedances



TIER I REMEDIATION OBJECTIVES (mg/kg)

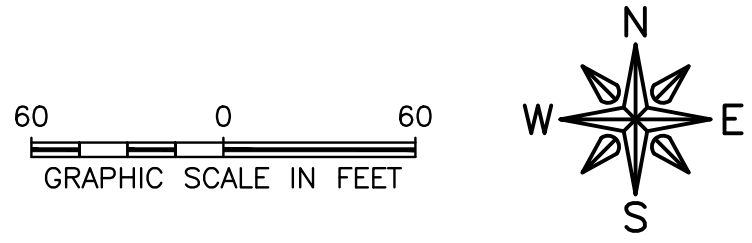
CHEMICAL	SOIL INGESTION	
	RESIDENTIAL	CONST. WORKER
BENZO(a)ANTHRACENE	BaA 0.9	170.0
BENZO(b)FLUORANTHENE	BbF 0.9	170
BENZO(a)PYRENE	BaP 0.98*	17
BIS(2-ETHYLHEXL)PHTHALATE	BeP 46	4,100
DIBENZ(a,h)ANTHRACENE	DA 0.15*	17
INDENO(1,2,3-cd)PYRENE	IP 0.9	170
ANTIMONY	Sb 31	82
ARSENIC	As 11.3*	61.0
COPPER	Cu 2,900	8,200
LEAD	Pb 400	700
MERCURY	Hg 23	61
ZINC	Zn 23,000	61,000
PCBs, TOTAL	PCB 1.0	1.0

* INDICATES BACKGROUND VALUE FOR NON-METROPOLITAN STATISTICAL AREAS

0-1' SAMPLE DEPTH

LEGEND

- SOIL BORINGS (2017)
- MONITORING WELLS
- SOIL BORING/SOIL GAS POINT (2017)
- SOIL BORINGS (2018)
- APPROXIMATE PROPERTY BOUNDARIES
- PROPERTY BUILDINGS
- SITE BOUNDARY



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TITLE:
**SOIL INGESTION
EXPOSURE ROUTE
EXCEEDANCES**

JOB NO.: 17-570H PH02E1
18-552

FIGURE:
14

PLOT DATE: 10/22/18

Figure 15
Soil Component to the Groundwater Ingestion
Exposure Route Exceedances

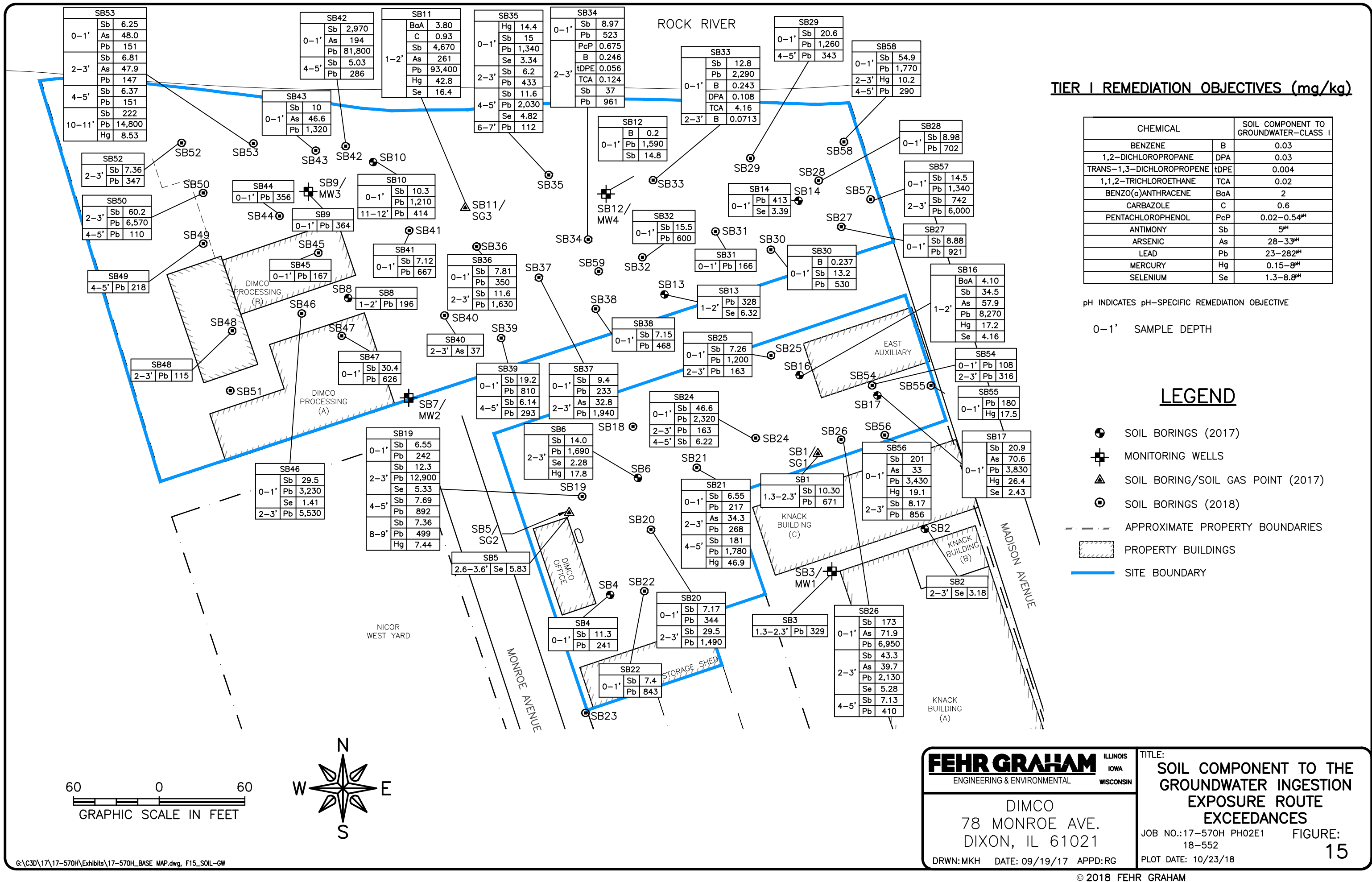


Figure 16
Groundwater Ingestion Exposure Route Exceedances

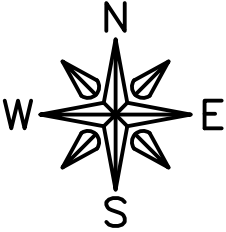
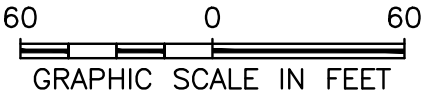
ROCK RIVER

TIER I REMEDIATION OBJECTIVES (mg/kg)

CHEMICAL		GROUNDWATER INGESTION
ETHYLBENZENE	E	0.7
2-METHYLNAPHTHALENE	2M	0.028
NAPHTHALENE	N	0.14
MANGANESE	Mn	0.15
PCBs, TOTAL	PCB	0.0005

LEGEND

- SOIL BORINGS (2017)
- MONITORING WELLS
- SOIL BORING/SOIL GAS POINT (2017)
- SOIL BORINGS (2018)
- APPROXIMATE PROPERTY BOUNDARIES
- PROPERTY BUILDINGS
- SITE BOUNDARY



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EXPOSURE ROUTE
EXCEEDANCES**

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78 MONROE AVE.
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18-552

FIGURE:
16

DRWN:MKH DATE: 09/19/17 APPD:RG

PLOT DATE: 10/22/18

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Tables

Table 1
Sample and Analysis Summary

Table 1
Sample and Analysis Summary
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Depth (ft bgs)	Date	Media	TCL VOCs	TCL SVOCs	TCL Metals	Pesticides	PCBs	pH	Cyanide	Reduced Metals List ^a	PNAs	RCRA 8	RCRA 8 Metals + Sb	f _{oc}	Complete TCL ^b
Phase II ESA - May/June 2017																
SB1 ^c	1.3-2.3	6/2/2017	Soil	X	X	X	X	X	X							X
	11-12	6/2/2017	Soil	X	X	X	X	X	X							X
SB2 ^c	2-3	5/31/2017	Soil	X	X	X	X	X	X							X
	11-12	5/31/2017	Soil	X	X	X	X	X	X							X
SB3 ^c	0.5-1.5	5/30/2017	Soil	X	X		X	X	X				X			
	15-16	5/30/2017	Soil	X	X		X	X	X				X			
SB4	0-1	6/12/2017	Soil	X	X	X	X	X	X							X
	7-8	6/12/2017	Soil	X	X	X	X	X	X							X
SB5	2.6-3.6	6/2/2017	Soil	X	X	X	X	X	X							X
	12.5-13.5	6/2/2017	Soil	X	X	X	X	X	X							X
SB6	2-3	6/12/2017	Soil	X	X	X	X	X	X							X
	15-16	6/12/2017	Soil	X	X	X	X	X	X							X
SB7	1-2	6/1/2017	Soil	X	X	X	X	X	X							X
	11-12	6/1/2017	Soil	X	X	X	X	X	X							X
SB8	1-2	6/12/2017	Soil	X	X	X	X	X	X							X
	15-16	6/12/2017	Soil	X	X	X	X	X	X							X
SB9	0-1	9/1/2017	Soil	X	X		X	X	X				X			
	11-12	6/1/2017	Soil	X	X		X	X	X				X			
SB10	0-1	6/13/2017	Soil	X	X	X	X	X	X							X
	11-12	6/13/2017	Soil	X	X	X	X	X	X							X
SB11	1-2	6/2/2017	Soil	X	X	X	X	X	X							X
	15-16	6/2/2017	Soil	X	X	X	X	X	X							X
SB12	0-1	5/31/2017	Soil	X	X	X	X	X	X							X
	8-9	5/31/2017	Soil	X	X	X	X	X	X							X
SB13	1-2	6/13/2017	Soil	X	X	X	X	X	X							X
	12-13	6/13/2017	Soil	X	X	X	X	X	X							X
SB14	0-1	6/13/2017	Soil	X	X	X	X	X	X							X
	11-12	6/13/2017	Soil	X	X	X	X	X	X							X
SB16	1-2	6/12/2017	Soil	X	X	X	X	X	X							X
	13-14	6/12/2017	Soil	X	X	X	X	X	X							X
SB17	0-1	6/12/2017	Soil	X	X	X	X	X	X							X
	14-15	6/12/2017	Soil	X	X	X	X	X	X							X
SG1	---	6/8/2017	Soil Gas	X ^d												
SG2	---	6/8/2017	Soil Gas	X ^d												
SG3	---	6/8/2017	Soil Gas	X ^d												
MW1 ^c	---	6/13/2017	Groundwater	X	X	X	X	X		X						X
MW2	---	6/13/2017	Groundwater	X	X	X	X	X		X						X
MW3	---	6/13/2017	Groundwater	X	X	X	X	X		X						X
MW4	---	6/13/2017	Groundwater	X	X	X	X	X		X						X
Supplemental Site Investigation Stage 1 - July 2018																
SB18	0-1	7/9/2018	Soil					X	X		X					
	2-3	7/9/2018	Soil	X	X			X	X		X					
	4-5	7/9/2018	Soil					X	X		X					
	6-7	7/9/2018	Soil					X	X		X					
	8-9	7/9/2018	Soil					X	X		X					
	10-11	7/9/2018	Soil					X	X		X					
	12-13	7/9/2018	Soil					X	X		X					
	14-15	7/9/2018	Soil					X	X		X					
	16-17	7/9/2018	Soil					X	X		X					
SB19	0-1	7/9/2018	Soil					X	X		X					
	2-3	7/9/2018	Soil					X	X		X					
	4-5	7/9/2018	Soil					X	X		X					
	6-7	7/9/2018	Soil					X	X		X					
	8-9	7/9/2018	Soil					X	X		X					
	10-11	7/9/2018	Soil					X	X		X					
	12-13	7/9/2018	Soil					X	X		X					
	14-15	7/9/2018	Soil					X	X		X					
	16-17	7/9/2018	Soil					X	X		X					
SB20	0-1	7/10/2018	Soil					X	X		X					
	2-3	7/10/2018	Soil					X	X		X					
	4-5	7/10/2018	Soil					X	X		X					
	6-7	7/10/2018	Soil					X	X		X					
	8-9	7/10/2018	Soil					X	X		X					
	10-11	7/10/2018	Soil					X	X		X					
	12-13	7/10/2018	Soil					X	X		X					
	16-17	7/10/2018	Soil					X	X		X					

Table 1
Sample and Analysis Summary
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Depth (ft bgs)	Date	Media	TCL VOCs	TCL SVOCs	TCL Metals	Pesticides	PCBs	pH	Cyanide	Reduced Metals List ^a	PNAs	RCRA 8	RCRA 8 Metals + Sb	f _{oc}	Complete TCL ^b
SB21	0-1	7/10/2018	Soil					X	X		X					
	2-3	7/10/2018	Soil					X	X		X					
	4-5	7/10/2018	Soil					X	X		X					
	6-7	7/10/2018	Soil					X	X		X					
	8-9	7/10/2018	Soil					X	X		X					
	10-11	7/10/2018	Soil					X	X		X					
	12-13	7/10/2018	Soil					X	X		X					
	14-15	7/10/2018	Soil					X	X		X					
	16-17	7/10/2018	Soil					X	X		X					
	18-19	7/10/2018	Soil					X	X		X					
SB22	0-1	7/10/2018	Soil					X	X		X					
	2-3	7/10/2018	Soil					X	X		X					
	4-5	7/10/2018	Soil					X	X		X					
	6-7	7/10/2018	Soil					X	X		X					
	8-9	7/10/2018	Soil					X	X		X					
	10-11	7/10/2018	Soil					X	X		X					
	12-13	7/10/2018	Soil					X	X		X					
	14-15	7/10/2018	Soil					X	X		X					
	16-17	7/10/2018	Soil					X	X		X					
SB23 ^c	0-1	7/12/2018	Soil					X	X		X					
	2-3	7/12/2018	Soil					X	X		X					
	4-5	7/12/2018	Soil					X	X		X					
SB24	0-1	7/10/2018	Soil					X	X		X					
	2-3	7/10/2018	Soil					X	X		X					
	4-5	7/10/2018	Soil					X	X		X					
SB25	0-1	7/10/2018	Soil					X	X		X					
	2-3	7/10/2018	Soil					X	X		X					
	4-5	7/10/2018	Soil					X	X		X					
SB26	0-1	7/10/2018	Soil					X	X		X					
	2-3	7/10/2018	Soil					X	X		X					
	4-5	7/10/2018	Soil					X	X		X					
SB27	0-1	7/11/2018	Soil					X	X		X					
	2-3	7/11/2018	Soil					X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
SB28	0-1	7/11/2018	Soil					X	X		X					
	2-3	7/11/2018	Soil					X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
SB29	0-1	7/11/2018	Soil					X	X		X					
	2-3	7/11/2018	Soil					X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
SB30	0-1	7/11/2018	Soil	X	X			X	X		X					
	2-3	7/11/2018	Soil					X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
SB31	0-1	7/11/2018	Soil					X	X		X					
	2-3	7/11/2018	Soil					X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
SB32	0-1	7/11/2018	Soil					X	X		X					
	2-3	7/11/2018	Soil					X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
	6-7	7/11/2018	Soil					X	X		X					
	8-9	7/11/2018	Soil					X	X		X					
	10-11	7/11/2018	Soil					X	X		X					
	12-13	7/11/2018	Soil					X	X		X					
	14-15	7/11/2018	Soil					X	X		X					
	16-17	7/11/2018	Soil					X	X		X					
SB33	0-1	7/11/2018	Soil	X	X			X	X		X					
	2-3	7/11/2018	Soil	X	X			X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
SB34	0-1	7/11/2018	Soil					X	X		X					
	2-3	7/11/2018	Soil	X	X			X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
SB35	0-1	7/10/2018	Soil					X	X		X					
	2-3	7/10/2018	Soil					X	X		X					
	4-5	7/10/2018	Soil					X	X		X					
	6-7	7/10/2018	Soil					X	X		X					
	8-9	7/10/2018	Soil					X	X		X					

Table 1
Sample and Analysis Summary
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Depth (ft bgs)	Date	Media	TCL VOCs	TCL SVOCs	TCL Metals	Pesticides	PCBs	pH	Cyanide	Reduced Metals List ^a	PNAs	RCRA 8	RCRA 8 Metals + Sb	f _{oc}	Complete TCL ^b
SB35	10-11	7/10/2018	Soil					X	X		X					
	12-13	7/10/2018	Soil					X	X		X					
	14-15	7/10/2018	Soil					X	X		X					
	16-17	7/10/2018	Soil					X	X		X					
	18-19	7/10/2018	Soil					X	X		X					
SB36	0-1	7/11/2018	Soil					X	X		X					
	2-3	7/11/2018	Soil					X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
SB37	0-1	7/11/2018	Soil					X	X		X					
	2-3	7/11/2018	Soil					X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
SB38	0-1	7/11/2018	Soil					X	X		X					
	2-3	7/11/2018	Soil					X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
SB39	0-1	7/11/2018	Soil					X	X		X					
	2-3	7/11/2018	Soil					X	X		X					
	4-5	7/11/2018	Soil	X	X			X	X		X					
SB40	0-1	7/11/2018	Soil					X	X		X					
	2-3	7/11/2018	Soil					X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
SB41	0-1	7/11/2018	Soil					X	X		X					
	2-3	7/11/2018	Soil					X	X		X					
	4-5	7/11/2018	Soil					X	X		X					
SB42	0-1	7/12/2018	Soil					X	X		X					
	2-3	7/12/2018	Soil					X	X		X					
	4-5	7/12/2018	Soil					X	X		X					
SB43	0-1	7/12/2018	Soil					X	X		X					
	2-3	7/12/2018	Soil					X	X		X					
	4-5	7/12/2018	Soil					X	X		X					
SB44	0-1	7/12/2018	Soil					X	X		X					
	2-3	7/12/2018	Soil					X	X		X					
	4-5	7/12/2018	Soil					X	X		X					
SB45	0-1	7/12/2018	Soil					X	X		X					
	2-3	7/12/2018	Soil					X	X		X					
	4-5	7/12/2018	Soil					X	X		X					
	6-7	7/12/2018	Soil					X	X		X					
	8-9	7/12/2018	Soil					X	X		X					
	10-11	7/12/2018	Soil					X	X		X					
	12-13	7/12/2018	Soil					X	X		X					
	14-15	7/12/2018	Soil					X	X		X					
	16-17	7/12/2018	Soil					X	X		X					
SB46	0-1	7/12/2018	Soil					X	X		X					
	2-3	7/12/2018	Soil					X	X		X					
	4-5	7/12/2018	Soil					X	X		X					
SB47	0-1	7/12/2018	Soil					X	X		X					
	2-3	7/12/2018	Soil					X	X		X					
	4-5	7/12/2018	Soil					X	X		X					
	6-7	7/12/2018	Soil					X	X		X					
	8-9	7/12/2018	Soil					X	X		X					
	10-11	7/12/2018	Soil					X	X		X					
	12-13	7/12/2018	Soil					X	X		X					
	14-15	7/12/2018	Soil	X	X			X	X		X					
	16-17	7/12/2018	Soil	X	X			X	X		X					
SB48	0-1	7/12/2018	Soil					X	X		X					
	2-3	7/12/2018	Soil					X	X		X					
	4-5	7/12/2018	Soil					X	X		X					
	6-7	7/12/2018	Soil					X	X		X					
	8-9	7/12/2018	Soil					X	X		X					
	10-11	7/12/2018	Soil					X	X		X					
	12-13	7/12/2018	Soil					X	X		X					
	14-15	7/12/2018	Soil					X	X		X					
	16-17	7/12/2018	Soil					X	X		X					
SB49	0-1	7/13/2018	Soil					X	X		X					
	2-3	7/13/2018	Soil					X	X		X					
	4-5	7/13/2018	Soil					X	X		X					

Table 1
Sample and Analysis Summary
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Depth (ft bgs)	Date	Media	TCL VOCs	TCL SVOCs	TCL Metals	Pesticides	PCBs	pH	Cyanide	Reduced Metals List ^a	PNAs	RCRA 8	RCRA 8 Metals + Sb	f _{oc}	Complete TCL ^b
SB50	0-1	7/13/2018	Soil					X	X		X					
	2-3	7/13/2018	Soil					X	X		X					
	4-5	7/13/2018	Soil					X	X		X					
	6-7	7/13/2018	Soil					X	X		X					
	8-9	7/13/2018	Soil					X	X		X					
	10-11	7/13/2018	Soil					X	X		X					
	12-13	7/13/2018	Soil					X	X		X					
	14-15	7/13/2018	Soil					X	X		X					
	16-17	7/13/2018	Soil					X	X		X					
	18-19	7/13/2018	Soil					X	X		X					
Supplemental Site Investigation Stage 2 - August 2018																
SB4	7-8	8/2/2018	Soil												X	
SB13	9-10	8/2/2018	Soil												X	
SB51	0-1	8/2/2018	Soil					X	X		X					
	2-3	8/2/2018	Soil					X	X		X					
	4-5	8/2/2018	Soil					X	X		X					
SB52	0-1	8/2/2018	Soil					X	X		X					
	2-3	8/2/2018	Soil					X	X		X					
	4-5	8/2/2018	Soil					X	X		X					
SB53	0-1	8/2/2018	Soil					X	X		X					
	2-3	8/2/2018	Soil					X	X		X					
	4-5	8/2/2018	Soil					X	X		X					
	6-7	8/2/2018	Soil					X	X		X					
	8-9	8/2/2018	Soil					X	X		X					
	10-11	8/2/2018	Soil					X	X		X					
	12-13	8/2/2018	Soil					X	X		X					
	14-15	8/2/2018	Soil					X	X		X					
	16-17	8/2/2018	Soil					X	X		X					
	18-19	8/2/2018	Soil					X	X		X					
SB54	0-1	8/2/2018	Soil					X	X		X					
	2-3	8/2/2018	Soil					X	X		X					
	4-5	8/2/2018	Soil					X	X		X					
SB55	0-1	8/2/2018	Soil					X	X		X					
	2-3	8/2/2018	Soil					X	X		X					
	4-5	8/2/2018	Soil					X	X		X					
	6-7	8/2/2018	Soil					X	X		X					
	8-9	8/2/2018	Soil					X	X		X					
	10-11	8/2/2018	Soil					X	X		X					
	12-13	8/2/2018	Soil					X	X		X					
	14-15	8/2/2018	Soil					X	X		X					
	16-17	8/2/2018	Soil					X	X		X					
	18-19	8/2/2018	Soil					X	X		X					
SB56	0-1	8/2/2018	Soil					X	X		X					
	2-3	8/2/2018	Soil					X	X		X					
	4-5	8/2/2018	Soil					X	X		X					
SB57	0-1	8/2/2018	Soil					X	X		X					
	2-3	8/2/2018	Soil					X	X		X					
	4-5	8/2/2018	Soil					X	X		X					
SB58	0-1	8/2/2018	Soil					X	X		X					
	2-3	8/2/2018	Soil					X	X		X					
MW3	---	8/2/2018	Groundwater	X				X				X		X ^e		

Notes

- a Reduced metals list: As, Hg, Pb, Sb, Se, Cu, Cr(VI)
- b Soil analysis for TCL excludes Cyanide
- c Soil boring/monitoring well location off of Remediation Site
- d TO15 analysis
- e Total and Dissolved Metals Analysis

Table 2

Groundwater Elevation Summary

Table 2
Groundwater Elevation Measurements
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Well ID	Date Installed	Northing Coordinate	Easting Coordinate	Surface Elevation (ft AMSL)	Depth to Top of Casing (ft bgs)	Top of Casing Elevation (ft AMSL)	Total Depth (ft bgs)	Depth to Water (ft btoc)	Groundwater Elevation (ft AMSL)	Depth to Water (ft btoc)	Groundwater r Elevation (ft AMSL)
								06/12/17		09/27/18	
MW-1	05/31/17	1885937.587	2481335.656	652.3100	0.33	652.04	19.92	12.04	640.00	10.34	641.70
MW-2	06/01/17	1886052.531	2481050.836	652.1649	0.34	651.82	21.80	12.27	639.55	10.80	641.02
MW-3	06/01/17	1886196.825	2480980.426	650.4577	0.35	650.11	19.31	11.01	639.10	11.70	638.41
MW-4	05/31/17	1886195.302	2481189.051	651.5110	0.36	651.15	20.31	11.83	639.32	10.23	640.92
Rock River	---	1886475.975	2482087.551	---	---	---	---	---	638.38	---	640.91

Notes:

Survey of monitoring wells completed 08/06/2018

Rock River elevation taken from USGS river gage USGS 05442300 Rock River at Dixon, IL, located 500 feet up-river from the Site

AMSL = elevation above mean sea level

bgs = below ground surface

btoc = below top of well casing

Table 3

Soil Analytical Results

- Table 3A - Volatile Organic Compounds
- Table 3B - Semi-Volatile Organic Compounds
- Table 3C - Metals and Polychlorinated Biphenyls
- Table 3D - Pesticides

Table 3A
Volatile Organic Compounds

Table 3A
Soil Analytical Results - Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Soils (mg/kg)							17F0118-06		17F0118-07		17F0020-01		17F0020-02		17E1070-01		17E1070-02	
										SB1a		SB1b		SB2a		SB2b		SB3a		SB3b	
			Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	Date:	6/2/2017	Date:	6/2/2017	Date:	5/31/2017	Date:	5/31/2017	Date:	5/30/2017	Date:	5/30/2017
										Time:	1:00 PM	Time:	1:05 PM	Time:	9:30 AM	Time:	9:35 AM	Time:	1:20 PM	Time:	1:20 PM
			Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Depth:	1.3-2.3' bgs	Depth:	11.0-12.0' bgs	Depth:	2.0-3.0' bgs	Depth:	11.0-12.0' bgs	Depth:	0.5-1.5' bgs	Depth:	15.0-16.0' bgs
TARGET COMPOUND LIST - VOLATILE ORGANIC PARAMETERS	CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
	67-64-1	Acetone	70,000	100,000	--- ^c	100,00	--- ^c	100,00	25	U	0.013	U	0.012	U	0.013	U	0.01	U	0.011	U, Q	0.01
	71-43-2	Benzene	12	0.8	100	1.6	2,300	2.2	0.03	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	108-86-1	Bromobenzene	630	630	16000	810	4,100	22	0.86	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	74-97-5	Bromochloromethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	75-27-4	Bromodichloromethane (Dichlorobromomethane)	10	3,000	92	3,000	2,000	3,000	0.6	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	75-25-2	Bromoform	81	53	720	100	16,000	140	0.8	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	74-83-9	Bromomethane (Methyl bromide)	110	10	2,900	15	1,000	3.9	0.2	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	78-93-3	2-Butanone (Methyl Ethyl Ketone, MEK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.013	U	0.012	U	0.013	U	0.01	U	0.011	U, Q	0.01
	75-15-0	Carbon disulfide	7,800	720	200,000	720	20,000	9	32	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	56-23-5	Carbon tetrachloride	5	0.3	44	0.64	410	0.9	0.07	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	108-90-7	Chlorobenzene (Monochlorobenzene)	1,600	130	41,00	210	4,100	1.3	1	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	75-00-3	Chloroethane (Ethyl Chloride, monochloroethane)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	67-66-3	Chloroform	100	0.3	940	0.54	2,000	0.76	0.6	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	74-87-3	Chloromethane (Methyl Chloride)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	124-48-1	Dibromochloromethane (Chlorodibromomethane)	1,600	1,300	41,000	1,300	41,000	1,300	0.4	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	106-93-4	1,2-Dibromoethane	0.32	0.06	2.9	0.12	62	0.16	0.0004	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	74-95-3	Dibromomethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	1,700	200,000	130	23	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	107-06-2	1,2-Dichloroethane (Ethylene Dichloride)	7	0.4	63	0.7	1,400	0.99	0.02	U	0.0027	U	0.0023	U, J5	0.0026	U, J5	0.0021	U	0.0023	U, Q	0.0021
	75-35-4	1,1-Dichloroethene (Dichloroethylene)	3,900	290	100,000	470	10,000	3	0.06	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	156-59-2	cis-1,2-Dichloroethene(Dichloroethylene)	780	1,200	20,000	1,200	20,000	1,200	0.4	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	156-60-5	trans-1,2-Dichloroethene(Dichloroethylene)	1,600	3,100	41,000	3,100	41,000	3,100	0.7	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	563-58-6	1,1-Dichloropropene	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	78-87-5	1,2-Dichloropropane	9	15	84	23	1,800	0.5	0.03	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	142-28-9	1,3-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	594-20-7	2,2-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	542-75-6	cis-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	542-75-6	trans-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	100-41-4	Ethylbenzene	7,800	400	200,000	400	20,000	58	13	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023		0.13
	591-78-6	2-Hexanone (Methyl-n-butyl ketone, MBK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	98-82-8	Isopropylbenzene (Cumene)	7800	500	200,000	800	82,000	52	91	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.025
	75-09-2	Methylene chloride (Dichloromethane)	85	13	760	24	12,000	34	0.02	U	0.0067	U	0.0059	U	0.0064	U	0.0052	U	0.0057	U, Q	0.0051
	1634-04-4	Methyl tertiary-butyl ether (MTBE)	780	8,800	20,000	8,800	2,000	140	0.32	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	108-10-1	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0027	U	0.0023	U, J5	0.0026	U, J5	0.0021	U	0.0023	U, Q	0.0021
	100-42-5	Styrene	16,000	1,500	410,000	1,500	41,000	430	4	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	127-18-4	Tetrachloroethylene (Perchloroethylene)	12	11	11	20	2,400	28	0.06	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	75-69-4	Trichlorofluoromethane	2300	850	61000	1400	140,000	88	34	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	108-88-3	Toluene	16,000	650	410,000	650	410,000	42	12	U, J7	0.0027	U, J7	0.0023	U	0.0026	U	0.0021	U, J7	0.0023		0.0026
	71-55-6	1,1,1-Trichloroethane	--- ^c	1,200	--- ^c	1,200	--- ^c	1,200	2	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	8,200	1,800	0.02	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	96-18-4	1,2,3-Trichloropropane	0.021	3	0	5	4	0	0.000017	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	630-20-6	1,1,1,2-Tetrachloroethane	2300	2,100	61,000	2,100	6,100	2,100	3.2	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	79-34-5	1,1,2,2-Tetrachloroethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	79-01-6	Trichloroethene (Trichloroethylene)	58	5	520	8.9	1,200	12	0.06	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	75-01-4	Vinyl chloride	0.46	0.28	7.9	1.1	170	1.1	0.01	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023	U, Q	0.0021
	1330-20-7	Xylenes (Total)	16,000	320	410,000	320	41,000	5.6	150	U	0.0027	U	0.0023	U	0.0026	U	0.0021	U	0.0023		2.7

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3A
Soil Analytical Results - Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)							17F0551-04		17F0551-05		17F0118-01		17F0118-02		17F0118-03		17F0551-01	
		Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	SB4a		SB4b		SB5a		SB5b		SB5b (duplicate)		SB6a	
		Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date:	6/12/2017	Date:	6/12/2017	Date:	6/2/2017	Date:	6/2/2017	Date:	6/2/2017	Date:	6/12/2017
									Time:	1:40 PM	Time:	2:00 PM	Time:	8:42 AM	Time:	8:55 AM	Time:	8:55 AM	Time:	11:45 AM
									Depth:	0.0-1.0' bgs	Depth:	7.0-8.0' bgs	Depth:	2.6-3.6' bgs	Depth:	12.5-13.5' bgs	Depth:	12.5-13.5' bgs	Depth:	2.0-3.0' bgs
CAS #	Analytical Parameter								Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
67-64-1	Acetone	70,000	100,000	--- ^c	100,00	--- ^c	100,00	25	U	0.012	U	0.011	J2	0.21		0.025		0.033		0.045
71-43-2	Benzene	12	0.8	100	1.6	2,300	2.2	0.03	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
108-86-1	Bromobenzene	630	630	16000	810	4,100	22	0.86	U	0.0023	U	0.0022	U	0.0033	U	0.0024	U	0.0023	U	0.0022
74-97-5	Bromochloromethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
75-27-4	Bromodichloromethane (Dichlorobromomethane)	10	3,000	92	3,000	2,000	3,000	0.6	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
75-25-2	Bromoform	81	53	720	100	16,000	140	0.8	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
74-83-9	Bromomethane (Methyl bromide)	110	10	2,900	15	1,000	3.9	0.2	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
78-93-3	2-Butanone (Methyl Ethyl Ketone, MEK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.012	U	0.011	J2	0.02	U	0.012	U	0.011	U	0.011
75-15-0	Carbon disulfide	7,800	720	200,000	720	20,000	9	32	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
56-23-5	Carbon tetrachloride	5	0.3	44	0.64	410	0.9	0.07	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
108-90-7	Chlorobenzene (Monochlorobenzene)	1,600	130	41,00	210	4,100	1.3	1	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
75-00-3	Chloroethane (Ethyl Chloride, monochloroethane)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
67-66-3	Chloroform	100	0.3	940	0.54	2,000	0.76	0.6	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
74-87-3	Chloromethane (Methyl Chloride)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
124-48-1	Dibromochloromethane (Chlorodibromomethane)	1,600	1,300	41,000	1,300	41,000	1,300	0.4	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
106-93-4	1,2-Dibromoethane	0.32	0.06	2.9	0.12	62	0.16	0.0004	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
74-95-3	Dibromomethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0023	U	0.0022	U, J2, J3	0.0033	U	0.0024	U	0.0023	U	0.0022
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	1,700	200,000	130	23	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
107-06-2	1,2-Dichloroethane (Ethylene Dichloride)	7	0.4	63	0.7	1,400	0.99	0.02	U	0.0023	U	0.0022	U, J2, J5	0.0033	U, J5	0.0024	U, J5	0.0023	U	0.0022
75-35-4	1,1-Dichloroethene (Dichloroethylene)	3,900	290	100,000	470	10,000	3	0.06	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
156-59-2	cis-1,2-Dichloroethene(Dichloroethylene)	780	1,200	20,000	1,200	20,000	1,200	0.4	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
156-60-5	trans-1,2-Dichloroethene(Dichloroethylene)	1,600	3,100	41,000	3,100	41,000	3,100	0.7	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
563-58-6	1,1-Dichloropropene	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
78-87-5	1,2-Dichloropropane	9	15	84	23	1,800	0.5	0.03	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
142-28-9	1,3-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
594-20-7	2,2-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
542-75-6	cis-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
542-75-6	trans-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
100-41-4	Ethylbenzene	7,800	400	200,000	400	20,000	58	13	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
591-78-6	2-Hexanone (Methyl-n-butyl ketone, MBK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
98-82-8	Isopropylbenzene (Cumene)	7800	500	200,000	800	82,000	52	91	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
75-09-2	Methylene chloride (Dichloromethane)	85	13	760	24	12,000	34	0.02	U	0.0058	U	0.0055	U, J2	0.0083	U	0.0059	U	0.0057	U	0.0054
1634-04-4	Methyl tertiary-butyl ether (MTBE)	780	8,800	20,000	8,800	2,000	140	0.32	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
108-10-1	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0023	U	0.0022	U, J2, J5	0.0033	U, J5	0.0024	U, J5	0.0023	U	0.0022
100-42-5	Styrene	16,000	1,500	410,000	1,500	41,000	430	4	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
127-18-4	Tetrachloroethylene (Perchloroethylene)	12	11	11	20	2,400	28	0.06	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
75-69-4	Trichlorofluoromethane	2300	850	61000	1400	140,000	88	34	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
108-88-3	Toluene	16,000	650	410,000	650	410,000	42	12	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
71-55-6	1,1,1-Trichloroethane	--- ^c	1,200	--- ^c	1,200	--- ^c	1,200	2	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	8,200	1,800	0.02	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
96-18-4	1,2,3-Trichloropropane	0.021	3	0	5	4	0	0.000017	U	<i>0.0023</i>	U	<i>0.0022</i>	U, J2, J3	<i>0.0033</i>	U	<i>0.0024</i>	U	<i>0.0023</i>	U	<i>0.0022</i>
630-20-6	1,1,1,2-Tetrachloroethane	2300	2,100	61,000	2,100	6,100	2,100	3.2	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
79-34-5	1,1,1,2,2-Tetrachloroethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
79-01-6	Trichloroethene (Trichloroethylene)	58	5	520	8.9	1,200	12	0.06	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
75-01-4	Vinyl chloride	0.46	0.28	7.9	1.1	170	1.1	0.01	U	0.0023	U	0.0022	U, J2	0.0033	U	0.0024	U	0.0023	U	0.0022
1330-20-7	Xylenes (Total)	16,000	320	410,000	320	41,000	5.6	150	U	0.0023	U	0.0022	J2	0.0099	U	0.0024	U	0.0023		0.0036

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3A
Soil Analytical Results - Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)							17F0551-02		17F0551-03		17F0057-03		17F0057-04		17F0589-01		17F0589-02			
		Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	SB6b		SB6b (duplicate)		SB7a		SB7b		SB8a		SB8b			
		Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date:	6/12/2017	Date:	6/12/2017	Date:	6/1/2017	Date:	6/1/2017	Date:	6/12/2017	Date:	6/12/2017		
									Time:	12:20 PM	Time:	12:20 PM	Time:	1:00 PM	Time:	1:05 PM	Time:	6:15 PM	Time:	86:25 PM		
									Depth:	15.0-16.0	Depth:	15.0-16.0	Depth:	1.0-2.0' bgs	Depth:	11.0-12.0' bgs	Depth:	1.0-2.0' bgs	Depth:	15.0-16.0' bgs		
		Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
TARGET COMPOUND LIST - VOLATILE ORGANIC PARAMETERS	CAS #	Analytical Parameter																				
	67-64-1	Acetone	70,000	100,000	--- ^c	100,00	--- ^c	100,00	25			0.029			0.016	U	0.011	U	0.013	U	0.0098	
	71-43-2	Benzene	12	0.8	100	1.6	2,300	2.2	0.03	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	108-86-1	Bromobenzene	630	630	16000	810	4,100	22	0.86	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U	0.0026	U	0.002
	74-97-5	Bromochloromethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	75-27-4	Bromodichloromethane (Dichlorobromomethane)	10	3,000	92	3,000	2,000	3,000	0.6	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	75-25-2	Bromoform	81	53	720	100	16,000	140	0.8	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	74-83-9	Bromomethane (Methyl bromide)	110	10	2,900	15	1,000	3.9	0.2	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U	0.0026	U	0.002
	78-93-3	2-Butanone (Methyl Ethyl Ketone, MEK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U		0.013	U	<0.013	U	0.01	U	0.011	U	0.013	U	0.0098
	75-15-0	Carbon disulfide	7,800	720	200,000	720	20,000	9	32	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	56-23-5	Carbon tetrachloride	5	0.3	44	0.64	410	0.9	0.07	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	108-90-7	Chlorobenzene (Monochlorobenzene)	1,600	130	41,00	210	4,100	1.3	1	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	75-00-3	Chloroethane (Ethyl Chloride, monochloroethane)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U	0.0026	U	0.002
	67-66-3	Chloroform	100	0.3	940	0.54	2,000	0.76	0.6	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	74-87-3	Chloromethane (Methyl Chloride)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U	0.0026	U	0.002
	124-48-1	Dibromochloromethane (Chlorodibromomethane)	1,600	1,300	41,000	1,300	41,000	1,300	0.4	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	106-93-4	1,2-Dibromoethane	0.32	0.06	2.9	0.12	62	0.16	0.0004	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	74-95-3	Dibromomethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	1,700	200,000	130	23	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	107-06-2	1,2-Dichloroethane (Ethylene Dichloride)	7	0.4	63	0.7	1,400	0.99	0.02	U		0.0025	U	<0.0026	U, J5	0.002	U, J5	0.0022	U	0.0026	U	0.002
	75-35-4	1,1-Dichloroethene (Dichloroethylene)	3,900	290	100,000	470	10,000	3	0.06	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	156-59-2	cis-1,2-Dichloroethene(Dichloroethylene)	780	1,200	20,000	1,200	20,000	1,200	0.4	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	156-60-5	trans-1,2-Dichloroethene(Dichloroethylene)	1,600	3,100	41,000	3,100	41,000	3,100	0.7	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	563-58-6	1,1-Dichloropropene	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	78-87-5	1,2-Dichloropropane	9	15	84	23	1,800	0.5	0.03	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	142-28-9	1,3-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	594-20-7	2,2-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	542-75-6	cis-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	542-75-6	trans-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	100-41-4	Ethylbenzene	7,800	400	200,000	400	20,000	58	13	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	591-78-6	2-Hexanone (Methyl-n-butyl ketone, MBK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U	0.0026	U	0.002
	98-82-8	Isopropylbenzene (Cumene)	7800	500	200,000	800	82,000	52	91	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	75-09-2	Methylene chloride (Dichloromethane)	85	13	760	24	12,000	34	0.02	U		0.0063	U	<0.0065	U	0.005	U	0.0054	U	0.0065	U	0.0049
	1634-04-4	Methyl tertiary-butyl ether (MTBE)	780	8,800	20,000	8,800	2,000	140	0.32	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U	0.0026	U	0.002
	108-10-1	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U		0.0025	U	<0.0026	U, J5	0.002	U, J5	0.0022	U	0.0026	U	0.002
	100-42-5	Styrene	16,000	1,500	410,000	1,500	41,000	430	4	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U	0.0026	U	0.002
	127-18-4	Tetrachloroethylene (Perchloroethylene)	12	11	11	20	2,400	28	0.06	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	75-69-4	Trichlorofluoromethane	2300	850	61000	1400	140,000	88	34	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U	0.0026	U	0.002
	108-88-3	Toluene	16,000	650	410,000	650	410,000	42	12	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	71-55-6	1,1,1-Trichloroethane	--- ^c	1,200	--- ^c	1,200	--- ^c	1,200	2	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	8,200	1,800	0.02	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	96-18-4	1,2,3-Trichloropropane	0.021	3	0	5	4	0	0.000017	U		<i>0.0025</i>	U	< <i>0.0026</i>	U	<i>0.002</i>	U	<i>0.0022</i>	U, J3	<i>0.0026</i>	U	<i>0.002</i>
	630-20-6	1,1,1,2-Tetrachloroethane	2300	2,100	61,000	2,100	6,100	2,100	3.2	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	79-34-5	1,1,1,2,2-Tetrachloroethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002
	79-01-6	Trichloroethene (Trichloroethylene)	58	5	520	8.9	1,200	12	0.06	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026		0.018
	75-01-4	Vinyl chloride	0.46	0.28	7.9	1.1	170	1.1	0.01	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U	0.0026	U	0.002
	1330-20-7	Xylenes (Total)	16,000	320	410,000	320	41,000	5.6	150	U		0.0025	U	<0.0026	U	0.002	U	0.0022	U, J3	0.0026	U	0.002

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3A
Soil Analytical Results - Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)							17F0057-01		17F0057-02		17F0589-03		17F0589-04		17F0118-04		17F0118-05		
		Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	SB9a		SB9b		SB10a		SB10b		SB11a		SB11b		
		Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date:	6/1/2017	Date:	6/1/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/2/2017	Date:	6/2/2017	
									Time:	8:30 AM	Time:	8:35 AM	Time:	8:15 AM	Time:	8:20 AM	Time:	10:55 AM	Time:	11:00 AM	
									Depth:	0.0-1.0' bgs	Depth:	11.0-12.0' bgs	Depth:	0.0-1.0' bgs	Depth:	11.0-12.0' bgs	Depth:	1.0-2.0' bgs	Depth:	15.0-16.0' bgs	
CAS #	Analytical Parameter								Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
TARGET COMPOUND LIST - VOLATILE ORGANIC PARAMETERS	67-64-1	Acetone	70,000	100,000	--- ^c	100,00	--- ^c	100,00	25	U	0.012	0.05	U	0.0099		0.028	U, J2	0.011	U	0.012	
	71-43-2	Benzene	12	0.8	100	1.6	2,300	2.2	0.03	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	108-86-1	Bromobenzene	630	630	16000	810	4,100	22	0.86	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	74-97-5	Bromochloromethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	75-27-4	Bromodichloromethane (Dichlorobromomethane)	10	3,000	92	3,000	2,000	3,000	0.6	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	75-25-2	Bromoform	81	53	720	100	16,000	140	0.8	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	74-83-9	Bromomethane (Methyl bromide)	110	10	2,900	15	1,000	3.9	0.2	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	78-93-3	2-Butanone (Methyl Ethyl Ketone, MEK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.012	U	0.011	U	0.0099	U	0.012	U, J2	0.011	U	0.012
	75-15-0	Carbon disulfide	7,800	720	200,000	720	20,000	9	32	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	56-23-5	Carbon tetrachloride	5	0.3	44	0.64	410	0.9	0.07	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	108-90-7	Chlorobenzene (Monochlorobenzene)	1,600	130	41,00	210	4,100	1.3	1	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	75-00-3	Chloroethane (Ethyl Chloride, monochloroethane)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	67-66-3	Chloroform	100	0.3	940	0.54	2,000	0.76	0.6	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	74-87-3	Chloromethane (Methyl Chloride)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	124-48-1	Dibromochloromethane (Chlorodibromomethane)	1,600	1,300	41,000	1,300	41,000	1,300	0.4	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	106-93-4	1,2-Dibromoethane	0.32	0.06	2.9	0.12	62	0.16	0.0004	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	74-95-3	Dibromomethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	1,700	200,000	130	23	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	107-06-2	1,2-Dichloroethane (Ethylene Dichloride)	7	0.4	63	0.7	1,400	0.99	0.02	U, J5	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	75-35-4	1,1-Dichloroethene (Dichloroethylene)	3,900	290	100,000	470	10,000	3	0.06	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	156-59-2	cis-1,2-Dichloroethene(Dichloroethylene)	780	1,200	20,000	1,200	20,000	1,200	0.4	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	156-60-5	trans-1,2-Dichloroethene(Dichloroethylene)	1,600	3,100	41,000	3,100	41,000	3,100	0.7	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	563-58-6	1,1-Dichloropropene	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	78-87-5	1,2-Dichloropropane	9	15	84	23	1,800	0.5	0.03	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	142-28-9	1,3-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	594-20-7	2,2-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	542-75-6	cis-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	542-75-6	trans-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	100-41-4	Ethylbenzene	7,800	400	200,000	400	20,000	58	13	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	591-78-6	2-Hexanone (Methyl-n-butyl ketone, MBK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	98-82-8	Isopropylbenzene (Cumene)	7800	500	200,000	800	82,000	52	91	U	0.0024	J2	0.014	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	75-09-2	Methylene chloride (Dichloromethane)	85	13	760	24	12,000	34	0.02	U	0.0061	U	0.0053	U	0.0049	U	0.0058	U, J2	0.0053	U	0.006
	1634-04-4	Methyl tertiary-butyl ether (MTBE)	780	8,800	20,000	8,800	2,000	140	0.32	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	108-10-1	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U, J5	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	100-42-5	Styrene	16,000	1,500	410,000	1,500	41,000	430	4	U	0.0024	U, J2	0.0021		0.0026	U	0.0023	U, J2	0.0021	U	0.0024
	127-18-4	Tetrachloroethylene (Perchloroethylene)	12	11	11	20	2,400	28	0.06	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	75-69-4	Trichlorofluoromethane	2300	850	61000	1400	140,000	88	34	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	108-88-3	Toluene	16,000	650	410,000	650	410,000	42	12	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2, J7	0.0021	U, J7	0.0024
	71-55-6	1,1,1-Trichloroethane	--- ^c	1,200	--- ^c	1,200	--- ^c	1,200	2	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	8,200	1,800	0.02	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	96-18-4	1,2,3-Trichloropropane	0.021	3	0	5	4	0	0.000017	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	630-20-6	1,1,1,2-Tetrachloroethane	2300	2,100	61,000	2,100	6,100	2,100	3.2	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	79-34-5	1,1,1,2,2-Tetrachloroethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0024	U, J2	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	79-01-6	Trichloroethene (Trichloroethylene)	58	5	520	8.9	1,200	12	0.06	U	0.0024	U	0.0021		0.049	U	0.0023	U, J2	0.0021	U	0.0024
	75-01-4	Vinyl chloride	0.46	0.28	7.9	1.1	170	1.1	0.01	U	0.0024	U	0.0021	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024
	1330-20-7	Xylenes (Total)	16,000	320	410,000	320	41,000	5.6	150	U	0.0024	J2	0.044	U	0.002	U	0.0023	U, J2	0.0021	U	0.0024

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3A
Soil Analytical Results - Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)							17F0020-03		17F0020-04		17F0589-07		17F0589-08		17F0589-05		17F0589-06	
		Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	SB12a		SB12b		SB13a		SB13b		SB14a		SB14b	
									Date:	5/31/2017	Date:	5/31/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017
									Time:	10:40 AM	Time:	10:40 AM	Time:	10:20 AM	Time:	10:30 AM	Time:	9:30 AM	Time:	9:40 AM
									Depth:	0.0-1.0' bgs	Depth:	8.0-9.0' bgs	Depth:	1.0-2.0' bgs	Depth:	12.0-13.0' bgs	Depth:	0.0-1.0' bgs	Depth:	11.0-12.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
TARGET COMPOUND LIST - VOLATILE ORGANIC PARAMETERS	67-64-1 Acetone	70,000	100,000	--- ^c	100,00	--- ^c	100,00	25	U	0.01	U	0.011	U	0.014	U	0.011		0.031	U	<0.011
	71-43-2 Benzene	12	0.8	100	1.6	2,300	2.2	0.03	L	0.2	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	108-86-1 Bromobenzene	630	630	16000	810	4,100	22	0.86	U	0.002	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	74-97-5 Bromochloromethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	75-27-4 Bromodichloromethane (Dichlorobromomethane)	10	3,000	92	3,000	2,000	3,000	0.6	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	75-25-2 Bromoform	81	53	720	100	16,000	140	0.8	U	0.002	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	74-83-9 Bromomethane (Methyl bromide)	110	10	2,900	15	1,000	3.9	0.2	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	78-93-3 2-Butanone (Methyl Ethyl Ketone, MEK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.01	U	0.011	U	0.014	U	0.011	U	0.01	U	0.011
	75-15-0 Carbon disulfide	7,800	720	200,000	720	20,000	9	32	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	56-23-5 Carbon tetrachloride	5	0.3	44	0.64	410	0.9	0.07	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	108-90-7 Chlorobenzene (Monochlorobenzene)	1,600	130	41,00	210	4,100	1.3	1	U	0.002	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	75-00-3 Chloroethane (Ethyl Chloride, monochloroethane)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	67-66-3 Chloroform	100	0.3	940	0.54	2,000	0.76	0.6	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	74-87-3 Chloromethane (Methyl Chloride)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	124-48-1 Dibromochloromethane (Chlorodibromomethane)	1,600	1,300	41,000	1,300	41,000	1,300	0.4	U	0.002	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	106-93-4 1,2-Dibromoethane	0.32	0.06	2.9	0.12	62	0.16	0.0004	U	0.002	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	74-95-3 Dibromomethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	75-34-3 1,1-Dichloroethane	7,800	1,300	200,000	1,700	200,000	130	23	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	107-06-2 1,2-Dichloroethane (Ethylene Dichloride)	7	0.4	63	0.7	1,400	0.99	0.02	U	0.002	U, J5	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	75-35-4 1,1-Dichloroethene (Dichloroethylene)	3,900	290	100,000	470	10,000	3	0.06	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	156-59-2 cis-1,2-Dichloroethene(Dichloroethylene)	780	1,200	20,000	1,200	20,000	1,200	0.4	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	156-60-5 trans-1,2-Dichloroethene(Dichloroethylene)	1,600	3,100	41,000	3,100	41,000	3,100	0.7	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	563-58-6 1,1-Dichloropropene	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	78-87-5 1,2-Dichloropropane	9	15	84	23	1,800	0.5	0.03	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	142-28-9 1,3-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	594-20-7 2,2-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	542-75-6 cis-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	542-75-6 trans-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	100-41-4 Ethylbenzene	7,800	400	200,000	400	20,000	58	13	L	0.2		13	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	591-78-6 2-Hexanone (Methyl-n-butyl ketone, MBK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	98-82-8 Isopropylbenzene (Cumene)	7800	500	200,000	800	82,000	52	91		0.13	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	75-09-2 Methylene chloride (Dichloromethane)	85	13	760	24	12,000	34	0.02	U	0.0051	U	0.0053	U	0.007	U	0.0055	U	0.0052	U	0.0057
	1634-04-4 Methyl tertiary-butyl ether (MTBE)	780	8,800	20,000	8,800	2,000	140	0.32	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	108-10-1 4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U, J5	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	100-42-5 Styrene	16,000	1,500	410,000	1,500	41,000	430	4		0.0047	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	127-18-4 Tetrachloroethylene (Perchloroethylene)	12	11	11	20	2,400	28	0.06	U	0.002	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	75-69-4 Trichlorofluoromethane	2300	850	61000	1400	140,000	88	34	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	108-88-3 Toluene	16,000	650	410,000	650	410,000	42	12		0.15	U	0.0021	U, J2, J7	0.0028	U, J7	0.0022	U	0.0021	U	0.0023
	71-55-6 1,1,1-Trichloroethane	--- ^c	1,200	--- ^c	1,200	--- ^c	1,200	2	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	79-00-5 1,1,2-Trichloroethane	310	1,800	8,200	1,800	8,200	1,800	0.02	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	96-18-4 1,2,3-Trichloropropane	0.021	3	0	5	4	0	0.000017	U	0.002	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	630-20-6 1,1,1,2-Tetrachloroethane	2300	2,100	61,000	2,100	6,100	2,100	3.2	U	0.002	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	79-34-5 1,1,1,2,2-Tetrachloroethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.0021	U, J2	0.0028	U	0.0022	U	0.0021	U	0.0023
	79-01-6 Trichloroethene (Trichloroethylene)	58	5	520	8.9	1,200	12	0.06	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	75-01-4 Vinyl chloride	0.46	0.28	7.9	1.1	170	1.1	0.01	U	0.002	U	0.0021	U	0.0028	U	0.0022	U	0.0021	U	0.0023
	1330-20-7 Xylenes (Total)	16,000	320	410,000	320	41,000	5.6	150	L	0.61		54	U, J2	0.0028	U	0.0022	U	0.0021		0.0099

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3A
Soil Analytical Results - Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)							17F0551-06		17F0551-07		17F0551-08		17F0551-09		18G0149-01		18G0229-43	
									SB16a		SB16b		SB17a		SB17b		DMC-SB 18		DMC-SB 30	
		Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	Date:	6/12/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	7/9/2018	Date:	7/11/2018
									Time:	3:15 PM	Time:	3:20 PM	Time:	4:45 PM	Time:	4:50 PM	Time:	1:50 PM	Time:	3:50 PM
									Depth:	1.0-2.0' bgs	Depth:	13.0-14.0' bgs	Depth:	0.0-1.0' bgs	Depth:	14.0-15.0' bgs	Depth:	2.0-3.0' bgs	Depth:	0.0-1.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
67-64-1	Acetone	70,000	100,000	--- ^c	100,00	--- ^c	100,00	25	U	0.013	U	0.012	U	0.012	U	0.0094	U	0.0633		0.814
71-43-2	Benzene	12	0.8	100	1.6	2,300	2.2	0.03	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633		0.237
108-86-1	Bromobenzene	630	630	16000	810	4,100	22	0.86	U	0.0026	U	0.0023	U	0.0024	U	0.0019	---	---	---	---
74-97-5	Bromochloromethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0026	U	0.0023	U	0.0024	U	0.0019	---	---	---	---
75-27-4	Bromodichloromethane (Dichlorobromomethane)	10	3,000	92	3,000	2,000	3,000	0.6	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
75-25-2	Bromoform	81	53	720	100	16,000	140	0.8	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
74-83-9	Bromomethane (Methyl bromide)	110	10	2,900	15	1,000	3.9	0.2	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.0127	U	0.0206
78-93-3	2-Butanone (Methyl Ethyl Ketone, MEK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.013	U	0.012	U	0.012	U	0.0094	U	0.0127		0.251
75-15-0	Carbon disulfide	7,800	720	200,000	720	20,000	9	32	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.0127	U	0.0206
56-23-5	Carbon tetrachloride	5	0.3	44	0.64	410	0.9	0.07	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
108-90-7	Chlorobenzene (Monochlorobenzene)	1,600	130	41,00	210	4,100	1.3	1	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
75-00-3	Chloroethane (Ethyl Chloride, monochloroethane)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.0127	U	0.0206
67-66-3	Chloroform	100	0.3	940	0.54	2,000	0.76	0.6	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
74-87-3	Chloromethane (Methyl Chloride)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.0127	U	0.0206
124-48-1	Dibromochloromethane (Chlorodibromomethane)	1,600	1,300	41,000	1,300	41,000	1,300	0.4	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
106-93-4	1,2-Dibromoethane	0.32	0.06	2.9	0.12	62	0.16	0.0004	U	0.0026	U	0.0023	U	0.0024	U	0.0019	---	---	---	---
74-95-3	Dibromomethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0026	U	0.0023	U	0.0024	U	0.0019	---	---	---	---
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	1,700	200,000	130	23	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
107-06-2	1,2-Dichloroethane (Ethylene Dichloride)	7	0.4	63	0.7	1,400	0.99	0.02	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
75-35-4	1,1-Dichloroethene (Dichloroethylene)	3,900	290	100,000	470	10,000	3	0.06	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
156-59-2	cis-1,2-Dichloroethene(Dichloroethylene)	780	1,200	20,000	1,200	20,000	1,200	0.4	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
156-60-5	trans-1,2-Dichloroethene(Dichloroethylene)	1,600	3,100	41,000	3,100	41,000	3,100	0.7	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
563-58-6	1,1-Dichloropropene	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0026	U	0.0023	U	0.0024	U	0.0019	---	---	---	---
78-87-5	1,2-Dichloropropane	9	15	84	23	1,800	0.5	0.03	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
142-28-9	1,3-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0026	U	0.0023	U	0.0024	U	0.0019	---	---	---	---
594-20-7	2,2-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0026	U	0.0023	U	0.0024	U	0.0019	---	---	---	---
542-75-6	cis-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00380	U	0.00618
542-75-6	trans-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00380	U	0.00618
100-41-4	Ethylbenzene	7,800	400	200,000	400	20,000	58	13	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633		0.323
591-78-6	2-Hexanone (Methyl-n-butyl ketone, MBK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.222
98-82-8	Isopropylbenzene (Cumene)	7800	500	200,000	800	82,000	52	91	U	0.0026	U	0.0023	U	0.0024	U	0.0019	---	---	---	---
75-09-2	Methylene chloride (Dichloromethane)	85	13	760	24	12,000	34	0.02	U	0.0066	U	0.0059	U	0.006	U	0.0047	U	0.00633	U	0.0103
1634-04-4	Methyl tertiary-butyl ether (MTBE)	780	8,800	20,000	8,800	2,000	140	0.32	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
108-10-1	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
100-42-5	Styrene	16,000	1,500	410,000	1,500	41,000	430	4	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633		0.193
127-18-4	Tetrachloroethylene (Perchloroethylene)	12	11	11	20	2,400	28	0.06	U	0.0026	U	0.0052	U	0.0024	U	0.0019	U	0.00633	U	0.0103
75-69-4	Trichlorofluoromethane	2300	850	61000	1400	140,000	88	34	U	0.0026	U	0.0023	U	0.0024	U	0.0019	---	---	---	---
108-88-3	Toluene	16,000	650	410,000	650	410,000	42	12	U	0.0026	U	0.0023	U, J7	0.0024	U, J7	0.0019		0.00858		1.49
71-55-6	1,1,1-Trichloroethane	--- ^c	1,200	--- ^c	1,200	--- ^c	1,200	2	U	0.0026		0.013	U	0.0024	U	0.0019	U	0.00633	U	0.0103
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	8,200	1,800	0.02	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.222
96-18-4	1,2,3-Trichloropropane	0.021	3	0	5	4	0	0.000017	U	0.0026	U	0.0023	U	0.0024	U	0.0019	---	---	---	---
630-20-6	1,1,1,2-Tetrachloroethane	2300	2,100	61,000	2,100	6,100	2,100	3.2	U	0.0026	U	0.0023	U	0.0024	U	0.0019	---	---	---	---
79-34-5	1,1,1,2,2-Tetrachloroethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00253	U	0.00412
79-01-6	Trichloroethene (Trichloroethylene)	58	5	520	8.9	1,200	12	0.06	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
75-01-4	Vinyl chloride	0.46	0.28	7.9	1.1	170	1.1	0.01	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.00633	U	0.0103
1330-20-7	Xylenes (Total)	16,000	320	410,000	320	41,000	5.6	150	U	0.0026	U	0.0023	U	0.0024	U	0.0019	U	0.0190		2.93

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3A
Soil Analytical Results - Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)							18G0229-31		18G0229-32		18G0229-11		18G0229-27		18G0259-30		18G0259-31	
									DMC-SB 33		DMC-SB 33		DMC-SB 34		DMC-SB 39		DMC-SB 47		DMC-SB 47	
		Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/12/2018	Date:	7/12/2018
									Time:	1:45 PM	Time:	1:50 PM	Time:	9:50 AM	Time:	12:55 PM	Time:	2:00 PM	Time:	2:05 PM
									Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	14.0-15.0' bgs	Depth:	16.0-17.0' bgs
		Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
CAS #	Analytical Parameter																			
67-64-1	Acetone	70,000	100,000	--- ^c	100,00	--- ^c	100,00	25		0.635	U	0.0790		0.286	U	0.133	U	1.89	U	2.07
71-43-2	Benzene	12	0.8	100	1.6	2,300	2.2	0.03		0.243		0.0713		0.246	U	0.00831	U	0.189	U	0.207
108-86-1	Bromobenzene	630	630	16000	810	4,100	22	0.86	---	---	---	---	---	---	---	---	---	---	---	---
74-97-5	Bromochloromethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	---	---
75-27-4	Bromodichloromethane (Dichlorobromomethane)	10	3,000	92	3,000	2,000	3,000	0.6	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
75-25-2	Bromoform	81	53	720	100	16,000	140	0.8	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
74-83-9	Bromomethane (Methyl bromide)	110	10	2,900	15	1,000	3.9	0.2	U	0.0491	U	0.0105	U	0.0189	U	0.0166	U	0.377	U	0.414
78-93-3	2-Butanone (Methyl Ethyl Ketone, MEK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		0.104		0.0178		0.0649	U	0.0166	U	0.377	U	0.414
75-15-0	Carbon disulfide	7,800	720	200,000	720	20,000	9	32	U	0.0491	U	0.0105	U	0.0189	U	0.0166	U	0.377	U	0.414
56-23-5	Carbon tetrachloride	5	0.3	44	0.64	410	0.9	0.07	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
108-90-7	Chlorobenzene (Monochlorobenzene)	1,600	130	41,00	210	4,100	1.3	1		0.307	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
75-00-3	Chloroethane (Ethyl Chloride, monochloroethane)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0491	U	0.0105	U	0.0189	U	0.0166	U	0.377	U	0.414
67-66-3	Chloroform	100	0.3	940	0.54	2,000	0.76	0.6		0.0595	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
74-87-3	Chloromethane (Methyl Chloride)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0491	U	0.0105	U	0.0189	U	0.0166	U	0.377	U	0.414
124-48-1	Dibromochloromethane (Chlorodibromomethane)	1,600	1,300	41,000	1,300	41,000	1,300	0.4	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
106-93-4	1,2-Dibromoethane	0.32	0.06	2.9	0.12	62	0.16	0.0004	---	---	---	---	---	---	---	---	---	---	---	---
74-95-3	Dibromomethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	---	---
75-34-3	1,1-Dichloroethane	7,800	1,300	200,000	1,700	200,000	130	23	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
107-06-2	1,2-Dichloroethane (Ethylene Dichloride)	7	0.4	63	0.7	1,400	0.99	0.02	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
75-35-4	1,1-Dichloroethene (Dichloroethylene)	3,900	290	100,000	470	10,000	3	0.06	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
156-59-2	cis-1,2-Dichloroethene(Dichloroethylene)	780	1,200	20,000	1,200	20,000	1,200	0.4	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
156-60-5	trans-1,2-Dichloroethene(Dichloroethylene)	1,600	3,100	41,000	3,100	41,000	3,100	0.7	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
563-58-6	1,1-Dichloropropene	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	---	---
78-87-5	1,2-Dichloropropane	9	15	84	23	1,800	0.5	0.03		0.108	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
142-28-9	1,3-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	---	---
594-20-7	2,2-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	---	---
542-75-6	cis-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U	0.0147	U	0.00316	U	0.00566	U	0.00499	U	0.113	U	0.124
542-75-6	trans-1,3-Dichloropropene (Dichloropropylene)	6.4	1.1	57	2.1	1,200	0.39	0.004	U	0.0850	U	0.00316		0.0560	U	0.00499	U	0.113	U	0.124
100-41-4	Ethylbenzene	7,800	400	200,000	400	20,000	58	13		2.94		0.333		1.32	U	0.00831	U	0.189	U	0.207
591-78-6	2-Hexanone (Methyl-n-butyl ketone, MBK)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		3.82	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
98-82-8	Isopropylbenzene (Cumene)	7800	500	200,000	800	82,000	52	91	---	---	---	---	---	---	---	---	---	---	---	---
75-09-2	Methylene chloride (Dichloromethane)	85	13	760	24	12,000	34	0.02	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
1634-04-4	Methyl tertiary-butyl ether (MTBE)	780	8,800	20,000	8,800	2,000	140	0.32	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
108-10-1	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
100-42-5	Styrene	16,000	1,500	410,000	1,500	41,000	430	4		0.387	U	0.00527		0.113	U	0.00831	U	0.189	U	0.207
127-18-4	Tetrachloroethylene (Perchloroethylene)	12	11	11	20	2,400	28	0.06	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
75-69-4	Trichlorofluoromethane	2300	850	61000	1400	140,000	88	34	---	---	---	---	---	---	---	---	---	---	---	---
108-88-3	Toluene	16,000	650	410,000	650	410,000	42	12	U	0.0245		1.62		4.40	U	0.00831	U	0.189	U	0.207
71-55-6	1,1,1-Trichloroethane	--- ^c	1,200	--- ^c	1,200	--- ^c	1,200	2	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
79-00-5	1,1,2-Trichloroethane	310	1,800	8,200	1,800	8,200	1,800	0.02		4.16	U	0.00527		0.124	U	0.00831	U	0.189	U	0.207
96-18-4	1,2,3-Trichloropropane	0.021	3	0	5	4	0	0.000017	---	---	---	---	---	---	---	---	---	---	---	---
630-20-6	1,1,1,2-Tetrachloroethane	2300	2,100	61,000	2,100	6,100	2,100	3.2	---	---	---	---	---	---	---	---	---	---	---	---
79-34-5	1,1,1,2,2-Tetrachloroethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.00981	U	0.00211	U	0.00377	U	0.00332	U	0.0754	U	0.0827
79-01-6	Trichloroethene (Trichloroethylene)	58	5	520	8.9	1,200	12	0.06		0.0563	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
75-01-4	Vinyl chloride	0.46	0.28	7.9	1.1	170	1.1	0.01	U	0.0245	U	0.00527	U	0.00944	U	0.00831	U	0.189	U	0.207
1330-20-7	Xylenes (Total)	16,000	320	410,000	320	41,000	5.6	150		51.6		2.02		8.01	U	0.0249	U	0.566	U	0.621

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3B
Semi-Volatile Organic Compounds

Table 3B
Soil Analytical Results - Semi-Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)						Concentration of PNA Chemicals in Background Soils***	17F0118-06	17F0118-07	17F0020-01	17F0020-02	17E1070-01	17E1070-02	17F0551-04	17F0551-05	17F0118-01	17F0118-02	17F0118-03													
		Residential Properties		Industrial-Commercial Properties		Construction Worker			SB1a	SB1b	SB2a	SB2b	SB3a	SB3b	SB4a	SB4b	SB5a	SB5b	SB5b (duplicate)													
		Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation		Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:													
TARGET COMPOUND LIST - SEMI-VOLATILE ORGANIC PARAMETERS	CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Non-Metropolitan	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result												
	83-32-9	Acenaphthene	4,700	---	120,000	---	120,000	---	570	0.04	U	0.067	U	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067		
	208-96-8	Acenaphthylene	---	---	---	---	---	---	U	0.11	U	0.065	U	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067		
	98-86-2	Acetophenone	---	---	---	---	---	---	U	0.067	U	0.065	U	0.065	U	0.062	U, J1	0.063	U	0.057	U	0.052	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067		
	120-12-7	Anthracene	23,000	---	610,000	---	610,000	12,000	0.14	---	U	0.42	U	0.065	---	0.083	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U, J2	0.058	U	0.066	U	0.067
	103-33-3	Azobenzene	---	---	---	---	---	---	U	0.067	U	0.065	U	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U, J2	0.058	U	0.066	U	0.067		
	56-55-3	Benzo(a)anthracene	0.9	---	8	---	170	---	2	0.72	---	1.10	U	0.0650	---	0.40	U	0.0620	J3, J7	0.073	U, J7	0.0570	J2	0.096	U	0.0620	---	0.43	U	0.0660	U	0.0670
	205-99-2	Benzo(b)fluoranthene	0.9	---	8	---	170	---	5	0.70	---	0.96	U	0.0650	---	0.29	U	0.0620	J7	0.071	U, J7	0.0570	J2	0.13	U	0.0620	---	0.26	U	0.0660	U	0.0670
	207-08-9	Benzo(k)fluoranthene	9	---	78	---	1,700	---	49	0.63	---	0.44	U	0.0650	---	0.11	U	0.0620	U, J3, J7	0.0630	U, J7	0.0570	J2	0.16	U	0.0620	---	0.14	U	0.0660	U	0.0670
	191-24-2	Benzo(g,h,i)perylene	---	---	---	---	---	---	---	---	---	0.5	U	0.065	---	0.10	U	0.062	U, J7	0.063	U, J7	0.057	J2	0.079	U	0.062	---	0.14	U	0.066	U	0.067
	50-32-8	Benzo(a)pyrene	0.09	---	0.8	---	17	---	8	0.98	---	0.81	U	0.0650	---	0.25	U	0.0620	U, J3, J7	0.0630	U, J7	0.0570	J2	0.088	U	0.0620	---	0.28	U	0.0660	U	0.0670
	111-44-4	Bis(2-Chloroethyl) Ether	0.6	0.2	5	0.47	75	0.66	0.0004	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J1, J3	0.063	U	0.057	U	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	111-91-1	Bis(2-Chloroethoxy)methane	---	---	---	---	---	---	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	410	31,000	4,100	31,000	3,600	---	U	0.23	U	0.22	U	0.21	U	0.062	U, J3	0.22	U	0.19	J2	1.70	U	0.21	U	0.2	U	0.22	U	0.23
	101-55-3	4-Bromophenyl-phenyl ether	---	---	---	---	---	---	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U, J2	0.058	U	0.066	U	0.067
	85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	410,000	930	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	J2, J3	1.60	U	0.062	U	0.058	U	0.066	U	0.067
	86-74-8	Carbazole	32	---	290	---	6,200	---	0.6	---	U	0.086	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U, J2	0.058	U	0.066	U	0.067
	59-50-7	4-Chloro-3-Methylphenol	---	---	---	---	---	---	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	106-47-8	4-Chloroaniline	310	---	8,200	---	820	---	0.7	---	U	0.067	U	0.065	---	0.065	U	0.062	U	0.063	U	0.057	U	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	90-13-1	1-Chloronaphthalene	---	---	---	---	---	---	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067
	91-58-7	2-Chloronaphthalene	---	---	---	---	---	---	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3	0.063	U	0.057	U	0.052	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067
	95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	10,000	---	1.5 - 4 0 ^{PH}	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J1, J3	0.063	U	0.057	U	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	7005-72-3	4-Chlorophenyl-phenyl Ether	---	---	---	---	---	---	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067
	218-01-9	Chrysene	88	---	780	---	17,000	---	1600	1.1	---	0.06	J3, J7	0.09	---	0.38	U	0.062	J7	0.07	U	0.06	J2	0.13	U	0.06	---	0.72	U	0.07	U	0.07
	95-50-1	1,2-Dichlorobenzene	7,000	560	180,000	560	18,000	310	17	---	U	0.067	U	0.065	---	0.065	U	0.062	J1, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	541-73-1	1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J1, J3	0.063	U	0.057	U	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	106-46-7	1,4-Dichlorobenzene	---	11,000	---	17,000	---	340	2	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J1, J3	0.063	U	0.057	U	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	120-83-2	2,4-Dichlorophenol	230	---	6,100	---	610	---	0.48 - 1.0 ^{PH}	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	200,000	2,300	---	---	U	0.099	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U, J2	0.058	U	0.082	U	0.078
	117-84-0	Di-n-octyl phthalate	1,600	10,000	41,000	10,000	4,100	10,000	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	528-29-0	1,2-Dinitrobenzene	---	---	---	---	---	---	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3	0.063	U	0.057	U	0.052	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067
	99-65-0	1,3-Dinitrobenzene	8	---	200	---	200	---	0	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067
	100-25-4	1,4-Dinitrobenzene	---	---	---	---	---	---	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3	0.063	U	0.057	U	0.052	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067
	606-20-2	2,6-Dinitrotoluene	0.9	---	8.4	---	180	---	0.0007	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067
	51-28-5	2,4-Dinitrophenol	160	---	4,100	---	410 ^{PH}	---	0.2	---	U	0.23	U	0.22	U	0.22	U	0.062	U, J3	0.22	U	0.19	U, J3	0.18	U	0.21	U, J1, J2	0.2	U	0.22	U	0.23
	121-14-2	2,4-Dinitrotoluene	0.9	---	8.4	---	180	---	0.0008	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3	0.063	U	0.057	U	0.052	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067
	53-70-3	Dibenz(a,h)anthracene	0.09	---	0.8	---	17	---	2	0.15	---	0.13	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U, J2	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	132-64-9	Dibenzofuran	---	---	---	---	---	---	---	---	U	0.083	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	J1, J2	0.65	U	0.066	U	0.067
	91-94-1	3,3'-Dichlorobenzidine	---	---	13	---	280	---	0.007	---	U	0.067	U	0.065	---	0.065	U	0.062	U	0.063	U	0.057	U, J2	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	87-65-0	2,6-Dichlorophenol	---	---	---	---	---	---	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.052	U	0.062	U	0.058	U	0.066	U	0.067
	84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	1,000,000	2,000	470	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.22	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067
	131-11-3	Dimethyl phthalate	---	---	---	---	---	---	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U	0.093	U	0.062	U, J1, J2	0.058	U	0.066	U	0.067
	60-11-7	p-Dimethylaminoazobenzene	---	---	---	---	---	---	---	---	U	0.067	U	0.065	---	0.065	U	0.062	U, J3, J7	0.063	U, J7	0.057	U, J2	0.052	U	0.062	U	0.058	U			

Table 3B
Soil Analytical Results - Semi-Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

	CAS #	Analytical Parameter	Exposure Route-Specific Values for Soils (mg/kg)							Concentration of PNA Chemicals in Background Soils***	17F0551-01		17F0551-02		17F0551-03		17F0057-03		17F0057-04		17F0589-01		17F0589-02		17F0057-01		17F0057-02		17F0589-03		17F0589-04	
			Residential Properties		Industrial-Commercial Properties		Construction Worker		Soil Component to Groundwater Ingestion		SB6a		SB6b		SB6b (duplicate)		SB7a		SB7b		SB8a		SB8b		SB9a		SB9b		SB10a		SB10b	
			Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I		Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
			Time: 6/12/2017 Depth: 2.0-3.0' bgs	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0		Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0	Time: 6/12/2017 Depth: 15.0-16.0
																						</										

Table 3B
Soil Analytical Results - Semi-Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

CAS #	Analytical Parameter	Exposure Route-Specific Values for Soils (mg/kg)								Concentration of PNA Chemicals in Background Soils***	17F0118-04		17F0118-05		17F0020-03		17F0020-04		17F0589-07		17F0589-08		17F0589-05		17F0589-06		17F0551-06		17F0551-07		17F0551-08	
		Residential Properties		Industrial-Commercial Properties		Construction Worker		Soil Component to Groundwater Ingestion	SB11a		SB11b		SB12a		SB12b		SB13a		SB13b		SB14a		SB14b		SB16a		SB16b		SB17a			
		Date: 6/2/2017 Time: 10:55 AM Depth: 1.0-2.0' bgs		Date: 6/2/2017 Time: 11:00 AM Depth: 15.0-16.0' bgs		Date: 5/31/2017 Time: 10:40 AM Depth: 0.0-1.0' bgs		Date: 5/31/2017 Time: 10:40 AM Depth: 8.0-9.0' bgs			Date: 6/13/2017 Time: 10:20 AM Depth: 1.0-2.0' bgs		Date: 6/13/2017 Time: 10:30 AM Depth: 12.0-13.0' bgs		Date: 6/13/2017 Time: 9:30 AM Depth: 0.0-1.0' bgs		Date: 6/13/2014 Time: 9:40 AM Depth: 11.0-12.0' bgs		Date: 6/12/2017 Time: 3:15 PM Depth: 1.0-2.0' bgs		Date: 6/12/2017 Time: 3:20 PM Depth: 13.0-14.0' bgs		Date: 6/12/2017 Time: 4:45 PM Depth: 0.0-1.0' bgs									
		Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Non-Metropolitan		Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
		Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Non-Metropolitan		Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
		83-32-9	Acenaphthene	4,700	...	120,000	...	120,000	...		570	0.04		0.42	U	0.065		0.21	U	0.061	U	0.16	U	0.062	U	0.055	U	0.064	U	0.220	U	0.065	U	0.078
208-96-8	Acenaphthylene	...	...	...	...	...	...	...	...	U	0.062	U	0.065		0.083	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.210	U	0.065	U	0.08
98-86-2	Acetophenone	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
120-12-7	Anthracene	23,000	...	610,000	...	610,000	...	12,000	0.14		1.80	U	0.065		0.25	U	0.061	U	0.500	U	0.062	U	0.066	U	0.064	U	0.850	U	0.065	U	0.23	
103-33-3	Azobenzene	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
56-55-3	Benzo(a)anthracene	0.9	...	8	...	170	...	2	0.72		3.80	U	0.0650		0.66	U	0.0610	J2	1.50	U	0.0620	J2	0.16	U	0.0640	J1, J2	4.10	U	0.0650	J2	1.10	
205-99-2	Benzo(b)fluoranthene	0.9	...	8	...	170	...	5	0.70		2.90	U	0.0650		0.65	U	0.0610	J2	1.30	U	0.0620	J2	0.23	U	0.0640	J2	4.50	U	0.0650	J2	1.30	
207-08-9	Benzo(k)fluoranthene	9	...	78	...	1,700	...	49	0.63		0.87	U	0.0650		0.35	U	0.0610	J2	1.40	U	0.0620	J2	0.16	U	0.0640	J2	3.60	U	0.0650	J2	1.10	
191-24-2	Benzo(g,h,i)perylene	...	...	...	...	...	...	...	...		0.65	U	0.065		0.33	...	0.061	J2	0.34	U	0.062	J2	0.067	U	0.064	J2	1.50	U	0.065	J2	1.00
50-32-8	Benzo(a)pyrene	0.09	...	0.8	...	17	...	8	0.98		1.90	U	0.0650		0.49	U	0.0610	J2	0.89	U	0.0620	J2	0.13	U	0.0640	J2	3.20	U	0.0650	J2	1.00	
111-44-4	Bis(2-Chloroethyl) Ether	0.6	0.2	5	0.47	75	0.66	0.0004	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057	
111-91-1	Bis(2-Chloroethoxy)methane	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	410	31,000	4,100	31,000	3,600	...	U	150	U	0.22	J2	4.1	...	0.21	J2	0.31	U	0.21	J2	2.1	U	0.22	J1, J2	0.46	U	0.22	U, J2	0.19	
101-55-3	4-Bromophenyl-phenyl ether	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	410,000	930	930	...	U	0.15	U	0.065	U	0.36	U	0.061	J2	0.064	U	0.062	J2	0.19	U	0.064	U, J1, J2	0.062	U	0.065	U, J2	0.057	
86-74-8	Carbazole	32	...	290	...	6,200	...	0.6	...		0.93	U	0.065		0.14	U	0.061	U	0.19	U	0.062	U	0.055	U	0.064	U	0.40	U	0.065	U	0.16	
59-50-7	4-Chloro-3-Methylphenol	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
106-47-8	4-Chloroaniline	310	...	8,200	...	820	...	0.7	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057	
90-13-1	1-Chloronaphthalene	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
91-58-7	2-Chloronaphthalene	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	10,000	...	1.5 - 4.0 ^{pH}	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057	
7005-72-3	4-Chlorophenyl-phenyl Ether	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
218-01-9	Chrysene	88	...	780	...	17,000	...	1600	1.1		2.6	U	0.07		0.62	U	0.06	J2	1.70	U	0.06	J2	0.21	U	0.06	J1, J2	4.40	U	0.07	J2	1.2	
95-50-1	1,2-Dichlorobenzene	7,000	560	180,000	560	18,000	310	17	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057	
541-73-1	1,3-Dichlorobenzene	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
106-46-7	1,4-Dichlorobenzene	...	11,000	...	17,000	...	340	2	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057	
120-83-2	2,4-Dichlorophenol	230	...	6,100	...	610	...	0.48 - 1.0 ^{pH}	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057	
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	200,000	2,300	2,300	...		0.42	U	0.065		0.37	U	0.087		0.063	U	0.062	U	0.14	U	0.064	U	0.25	U	0.065	U	0.32	
117-84-0	Di-n-octyl phthalate	1,600	10,000	41,000	10,000	4,100	10,000	10,000	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	J2	0.33	U	0.064	J2	0.362	U	0.065	U, J2	0.057	
528-29-0	1,2-Dinitrobenzene	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
99-65-0	1,3-Dinitrobenzene	8	...	200	...	200	...	0	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057	
100-25-4	1,4-Dinitrobenzene	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
606-20-2	2,6-Dinitrotoluene	0.9	...	8.4	...	180	...	0.0007	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057	
51-28-5	2,4-Dinitrophenol	160	...	4,100	...	410 ⁹	410	...	...	U	0.27	U	0.27	U	0.19	U	0.27	U	0.27	U	0.27	U	0.19	U	0.22	U	0.27	U	0.22	U	0.19
121-14-2	2,4-Dinitrotoluene	0.9	...	8.4	...	180	...	0.0008	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057	
53-70-3	Dibenzo(a,h)anthracene	0.09	...	0.8	...	17	...	2	0.15		0.23	U	0.065	U	0.058	U	0.061	J2	0.130	U	0.062	U, J2	0.055	U	0.064	J2	0.51	U	0.065	J2	0.20	
132-64-9	Dibenzofuran	...	...	...	...	...	...	...	...		0.25	U	0.065	U	0.10	U	0.061	U	0.24	U	0.062	U	0.055	U	0.064	U	0.30	U	0.065	U	0.089
91-94-1	3,3'-Dichlorobenzidine	1	...	13	...	280	...	0.007	...	U	0.062	U	0.065	U	0.057	U	0.061	U, J2	0.058	U	0.062	U, J2	0.055	U	0.064	U, J1, J2	0.062	U	0.065	U, J2	0.057	
87-65-0	2,6-Dichlorophenol	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	1,000,000	2,000	470	...	U	0.062	U	0.065	U	0.057	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	2.30	U	0.065	U	0.057	
131-11-3	Dimethyl phthalate	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.076	U	0.061	U	0.058	U	0.062	U	0.055	U	0.064	U	0.062	U	0.065	U	0.057
60-11-7	p-Dimethylaminobenzene	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U, J2	0.058	U	0.062	U, J2	0.055	U	0.064	U, J1, J2	0.062	U	0.065	U, J2	0.057
57-97-6	7,12-Dimethylbenzo(a)anthracene	...	...	...	...	...	...	...	...	U	0.062	U	0.065	U	0.057	U	0.061	U, J2	0.058	U	0.062	U, J2	0.055	U	0.064	U, J2	0.062	U	0.065	U, J2	0.057
105-6																																

- Parameter not analyzed
 ...C No toxicity criteria available for this route of exposure
 *** Compliance objective for PNA's can be met by meeting either Route - Specific Tier 1 Remediation Objective(s) or Concentrations of PNA Chemicals in Background Soils
 pH Exposure Route Value is pH specific. Please refer to 35 IAC Section 742 Table C.
 U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
 mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
 Analytical results in **bold** indicate detected parameter
 Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
 Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3B
Soil Analytical Results - Semi-Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)							Concentration of PNA Chemicals in Background Soils***	17F0551-09	18G0149-01	18G0229-43	18G0149-01	18G0149-01	18G0149-01	18G0149-01	18G0149-01	18G0259-30	18G0259-31	
										SB17b	DMC-SB 18	DMC-SB 30	DMC-SB 33	DMC-SB 33	DMC-SB 33	DMC-SB 34	DMC-SB 39	DMC-SB 47	DMC-SB 47	
		Residential Properties		Industrial-Commercial Properties		Construction Worker		Soil Component to Groundwater Ingestion		Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	Date: Time: Depth:	
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Non-Metropolitan	Qualifier Result	Qualifier Result	Qualifier Result	Qualifier Result	Qualifier Result	Qualifier Result	Qualifier Result	Qualifier Result	Qualifier Result	Qualifier Result	
83-32-9	Acenaphthene	4,700	---	120,000	---	120,000	---	570	0.04	U	0.060	U	0.348	U	0.375	U	0.363	U	0.416	
208-96-8	Acenaphthylene	---	---	---	---	---	---	---	---	U	0.060	U	0.348	U	0.375	U	0.363	U	0.416	
98-86-2	Acetophenone	---	---	---	---	---	---	---	---	U	0.060	---	---	---	---	---	---	---	---	
120-12-7	Anthracene	23,000	---	610,000	---	610,000	---	12,000	0.14	U	0.060	U	0.348	U	0.375	U	0.363	U	0.416	
103-33-3	Azobenzene	---	---	---	---	---	---	---	---	U	0.060	---	---	---	---	---	---	---	---	
56-55-3	Benzo(a)anthracene	0.9	---	8	---	170	---	2	0.72	U	0.0600	U	0.348	U	0.375	U	0.363	U	0.416	
205-99-2	Benzo(b)fluoranthene	0.9	---	8	---	170	---	5	0.70	U	0.0600	U	0.348	U	0.375	U	0.363	U	0.416	
207-08-9	Benzo(k)fluoranthene	9	---	78	---	1,700	---	49	0.63	U	0.0600	U	0.348	U	0.375	U	0.363	U	0.416	
191-24-2	Benzo(g,h,i)perylene	---	---	---	---	---	---	---	---	C	U	0.060	U	0.348	U	0.375	U	0.363	U	
50-32-8	Benzo(a)pyrene	0.09	---	0.8	---	17	---	8	0.98	U	0.0600	U	0.0628	U	0.0945	U	0.0749	U	0.0614	
111-44-4	Bis(2-Chloroethyl) Ether	0.6	0.2	5	0.47	75	0.66	0.0004	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
111-91-1	Bis(2-Chloroethyl)methane	---	---	---	---	---	---	---	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
117-81-7	Bis(2-ethylhexyl)phthalate	46	31,000	410	31,000	4,100	31,000	3,600	---	U	0.21	U	0.348	U	0.375	U	0.363	U	0.416	
101-55-3	4-Bromophenyl-phenyl ether	---	---	---	---	---	---	---	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
85-68-7	Butyl benzyl phthalate	16,000	930	410,000	930	410,000	930	930	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
86-74-8	Carbazole	32	---	290	---	6,200	---	0.6	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
59-50-7	4-Chloro-3-Methylphenol	---	---	---	---	---	---	---	---	U	0.06	U	0.697	U	0.749	U	0.725	U	0.831	
106-47-8	4-Chloroaniline	310	---	8,200	---	820	---	0.7	---	U	0.06	U	0.549	U	0.591	U	0.572	U	0.655	
90-13-1	1-Chloronaphthalene	---	---	---	---	---	---	---	---	U	0.06	---	---	---	---	---	---	---	---	
91-58-7	2-Chloronaphthalene	---	---	---	---	---	---	---	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
95-57-8	2-Chlorophenol	390	53,000	10,000	53,000	10,000	---	1.5 - 4.0 ^{PH}	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
7005-72-3	4-Chlorophenyl-phenyl Ether	---	---	---	---	---	---	---	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
218-01-9	Chrysene	88	---	780	---	17,000	---	1600	1.1	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
95-50-1	1,2-Dichlorobenzene	7,000	560	180,000	560	18,000	310	17	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
541-73-1	1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	U	0.06	U	0.105	U	0.113	U	0.109	U	0.125	
106-46-7	1,4-Dichlorobenzene	---	11,000	---	17,000	---	340	2	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
120-83-2	2,4-Dichlorophenol	230	---	6,100	---	610	---	0.48 - 1.0 ^{PH}	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
84-74-2	Di-n-butyl phthalate	7,800	2,300	200,000	2,300	200,000	2,300	2,300	---	U	0.065	U	0.348	U	0.375	U	0.363	U	0.416	
117-84-0	Di-n-octyl phthalate	1,600	10,000	41,000	10,000	4,100	10,000	---	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
528-29-0	1,2-Dinitrobenzene	---	---	---	---	---	---	---	---	U	0.06	---	---	---	---	---	---	---	---	
99-65-0	1,3-Dinitrobenzene	8	---	200	---	200	---	0	---	U	0.06	---	---	---	---	---	---	---	---	
100-25-4	1,4-Dinitrobenzene	---	---	---	---	---	---	---	---	U	0.06	---	---	---	---	---	---	---	---	
406-20-2	2,6-Dinitrotoluene	0.9	---	8.4	---	180	---	0.0007	---	U	0.06	U	0.705	U	0.543	U	0.713	U	0.709	
51-28-5	2,4-Dinitrophenol	160	---	4,100	---	410 ^B	410	0.2	---	U	0.27	U	0.105	U	0.113	U	0.109	U	0.125	
121-14-2	2,4-Dinitrotoluene	0.9	---	8.4	---	180	---	0.0008	---	U	0.06	U	0.705	U	0.543	U	0.713	U	0.709	
53-70-3	Dibenzo(a,h)anthracene	0.09	---	0.8	---	17	---	2	0.15	U	0.060	U	0.0628	U	0.0675	U	0.0653	U	0.0749	
132-64-9	Dibenzofuran	---	---	---	---	---	---	---	---	U	0.06	U	1.74	U	0.904	U	1.81	U	2.08	
91-94-1	3,3'-Dichlorobenzidine	1	---	13	---	280	---	0.007	---	U	0.06	U	0.00523	U	0.0272	U	0.00563	U	0.00544	
87-65-0	2,6-Dichlorophenol	---	---	---	---	---	---	---	---	U	0.06	---	---	---	---	---	---	---	---	
84-66-2	Diethyl phthalate	63,000	2,000	1,000,000	2,000	1,000,000	2,000	470	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
131-11-3	Dimethyl phthalate	---	---	---	---	---	---	---	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
60-11-7	p-Dimethylaminoazobenzene	---	---	---	---	---	---	---	---	U	0.06	---	---	---	---	---	---	---	---	
57-97-6	7,12-Dimethylbenzo(a)anthracene	---	---	---	---	---	---	---	---	U	0.06	---	---	---	---	---	---	---	---	
105-67-9	2,4-Dimethylphenol	1,600	---	41,000	---	41,000	---	9	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
534-52-1	4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	U	0.4	U,M	0.0237	U, M	0.123	U,M	0.0255	U,M	0.0247	
122-39-4	Diphenylamine	2000	---	51000	---	4100	---	20	---	U	0.06	---	---	---	---	---	---	---	---	
206-44-0	Fluoranthene	3,100	---	82,000	---	82,000	---	4,300	1.8	U	0.060	U	0.348	U	0.375	U	0.363	U	0.468	
86-73-7	Fluorene	3,100	---	82,000	---	82,000	---	560	0.04	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
118-74-1	Hexachlorobenzene	0.4	1	4	1.8	78	2.6	2	---	U	0.06	U	0.105	U	0.113	U	0.109	U	0.125	
87-68-3	Hexachlorobutadiene	---	---	---	---	---	---	---	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
77-47-4	Hexachlorocyclopentadiene	550	10	14,000	16	14,000	1.1	400	---	U	0.21	U	0.697	U	0.749	U	0.725	U	0.831	
67-72-1	Hexachloroethane	78	---	2,000	---	2,000	---	0.5	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
1888-71-7	Hexachloropropene	---	---	---	---	---	---	---	---	U	0.06	---	---	---	---	---	---	---	---	
193-39-5	Indeno(1,2,3-c,d)pyrene	0.9	---	8	---	170	---	14	0.51	U	0.0600	U	0.348	U	0.375	U	0.363	U	0.416	
465-73-6	Isodrin	---	---	---	---	---	---	---	---	U	0.0600	---	---	---	---	---	---	---	---	
78-59-1	Isophorone	15,600	4,600	410,000	4,600	410,000	4,600	8	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
120-58-1	Isosafrole	---	---	---	---	---	---	---	---	U	0.06	---	---	---	---	---	---	---	---	
72-33-3	Mestranol	---	---	---	---	---	---	---	---	U	0.06	---	---	---	---	---	---	---	---	
62-50-0	Ethyl methanesulfonate	---	---	---	---	---	---	---	---	U	0.06	---	---	---	---	---	---	---	---	
66-27-3	Methyl methanesulfonate	---	---	---	---	---	---	---	---	U	0.06	---	---	---	---	---	---	---	---	
91-57-6	2-Methylnaphthalene	---	---	---	---	---	---	---	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.555	
95-48-7	2-Methylphenol (o - Cresol)	3,900	---	100,000	---	100,000	---	15	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
106-44-5	4-Methylphenol	7,800	100000	200,000	170000	4,100	3300	3.9	---	U	0.06	U	0.105	U	0.113	U	0.109	U	0.125	
91-20-3	Naphthalene	1,600	170	41,000	270	4,100	1.8	12	0.17	U	0.060	U	0.348	U	0.375	U	0.363	U	0.416	
134-32-7	1-Naphthylamine	---	---	---	---	---	---	---	---	U	0.060	---	---	---	---	---	---	---	---	
91-59-8	2-Naphthylamine	---	---	---	---	---	---	---	---	U	0.060	---	---	---	---	---	---	---	---	
602-87-9	5-Nitroacenaphthene	---	---	---	---	---	---	---	---	U	0.060	---	---	---	---	---	---	---	---	
86-74-4	2-Nitroaniline	---	---	---	---	---	---	---	---	U	0.06	U	0.105	U	0.543	U	0.113	U	0.109	
99-09-2	3-Nitroaniline	---	---	---	---	---	---	---	---	U	0.06	U	0.348	U	0.375	U	0.363	U	0.416	
100-01-6	4-Nitroaniline	---	---	---	---	---	---	---	---	U	0.06	U	0.0628	U	0.326	U	0.0675	U	0.0653	
98-95-3	Nitrobenzene	39	92	1,000	140	1,000	9.4	0.1	---	U	0.06	U	0.0628	U	0.326	U	0.0675	U	0.0653	
100-02-7	4-Nitrobiphenyl	---	---	---	---	---	---	---	---	U	0.06	---	---	---	---	---	---	---	---	
98-75-5	2-Nitrophenol	---	---	---	---	---	---	---	---	U	0.06	U	0.348	U	1.81	U	0.375	U	0.363	
100-02-7	4-Nitrophenol	---	---	---	---	---	---	---	---	U	0.06	U	1.74	U	9.04	U	1.87	U	1.81	
924-16-3	N-Nitrosodi-n-butylamine	---	---	---	---															

Table 3C
Metals and Polychlorinated Biphenyls

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														17F0118-06		17F0118-07		17F0020-01		17F0020-02		17E1070-01	
																SB1a		SB1b		SB2a		SB2b		SB3a	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	6/2/2017	Date:	6/2/2017	Date:	5/31/2017	Date:	5/31/2017	Date:	5/30/2017
																Time:	1:00 PM	Time:	1:05 PM	Time:	9:30 AM	Time:	9:35 AM	Time:	1:20 PM
																Depth:	1.3-2.3' bgs	Depth:	11.0-12.0' bgs	Depth:	2.0-3.0' bgs	Depth:	11.0-12.0' bgs	Depth:	0.5-1.5' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.5		7.5		8.1		8.0		8.4
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	I	9330		13100	J3	12800		12400	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	B2, J3	10.3	U, B2	2.56	U, B2	2.59	U, B2, J3	2.44	---	---
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	B1, I	22.5	U, B1	2.56	U, B1	2.59	B1	4.38	B1	9.41
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---		231		117		211		120	J3	509
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	J3	0.26	U	0.13	U	0.13	U	0.12	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	B1, J3	11.3	U, B1	6.40	U, B1	6.48	U, B1	6.10	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	U	0.66	U	0.64	U	0.65	U	0.61	U, B1	0.65
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	I	5660		4630		8820		3790	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---	J3	19.3		20.5	J3	18.1		19.8	J3	31.8
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	---	---	---	---	---	---	---	---	---	---
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---		6.5		10.7		7.95		9.82	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---	I, J3	94.5		10.4	J3	18.8		11.8	---	---
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	I	45900		24500	J3	16900		22700	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282	I	671		22.9	J3	39.6		13.7	J3	329
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	I	2350		3780		3800		3560	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	I	231		639		999		778	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		1.36		0.040		0.23		0.030	J3	0.33
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---		20.7		17.3	J3	15.4		19	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	I	1870		1640		1670		1270	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	2.64	U	2.56		3.18	U	2.44	U	2.59
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---		0.73	U	0.64	U	0.65	U	0.61	U	0.65
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	264	U	256	U	259	U	244	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	B2, I, J3	25.0	B2	19.3	B2	26.6	B2	18.7	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	U, B1	2.64	B1	2.56	U, B1	2.59	U, B1	2.44	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	J3	26.3		31.6	J3	24.7		32.5	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	I	575		71.1	J3	109		63.5 I	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.013	U	0.013	U	0.012	U	0.013
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.013	U	0.013	U	0.012	U	0.013
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.013	U	0.013	U	0.012	U	0.013
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.013	U	0.013	U	0.012	U	0.013
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.013	U	0.013	U	0.012	U	0.013
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.013	U	0.013	U	0.012	U	0.013
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.013	U	0.013	U	0.012	U	0.013
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	--	U	--	U	--	U	--	U	--

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														17E1070-02		17F0551-04		17F0551-05		17F0118-01		17F0118-02	
																SB3b		SB4a		SB4b		SB5a		SB5b	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	5/30/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	6/2/2017	Date:	6/2/2017
																Time:	1:20 PM	Time:	1:40 PM	Time:	2:00 PM	Time:	8:42 AM	Time:	8:55 AM
																Depth:	15.0-16.0' bgs	Depth:	0.0-1.0' bgs	Depth:	7.0-8.0' bgs	Depth:	2.6-3.6' bgs	Depth:	12.5-13.5' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8.5		8.2		7.9		7.9		7.6
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		5330		17100		418		15000
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	---	---		11.3	U	2.39	U, B2, I	2.30	U, B2	2.64
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	U, B1	2.28		6.43		4.11	U, B2, I	2.3	B1	4.12
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---		14		82.1		113		22.3		98.4
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	U	0.10	U	0.12	U, I	0.12	U	0.13
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	---	---	B1	5.22	B1	9.43	B1, I	73.6	U, B1	6.60
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	U, B1	0.57	U	0.52	U	0.6	U, I	0.58	U	0.66
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		152000		32000	I	4160		4700
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		4.72		137		35	I	4.07		26.2
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	---	---	---	---	---	---	---	---	---	---
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---		8.95		8.73	I	2.05		11.2
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---	---	---		696		97.5	I	9.38		17
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		116000		29900	I	5720		36100
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		5.7		241		62.2	I	22		15.4
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---		72700		19700	I	1990		4560
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---		1520		683	I	37.7		347
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.006		0.67		0.090		0.040		0.040
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---		80.6		23.6	I	7.66		17.9
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		398		1650	U, I	230		1260
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	2.26	U	2.09	U	2.39	I	5.83	U	2.64
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	U	0.57	U	0.52	U	0.6	U, I	0.58	U	0.66
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	209	U	239	U, I	230	U	264
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	---	---	B4	73.4	B2	25.1	B2, I	9.59	B2	22.8
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	U	2.09	U	2.39	U, B1, I	2.30	U, B1	2.64
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---		30.7		40.2	I	7.31		44.9
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---		760		192	I	50.2		71.5
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.011	U	0.01	U	0.012	U	0.077	U	0.013
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.011	U	0.01	U	0.012	U	0.077	U	0.013
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.011	U	0.01	U	0.012	U	0.077	U	0.013
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.011	U	0.01	U	0.012	U	0.077	U	0.013
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.011		0.80	U	0.012	U	0.077	U	0.013
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.011		1.60		0.078		76		3.00
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.011	U	0.01	U	0.012		45	U	0.013
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	--		2.40		0.078		121		3.00

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														17F0118-03		17F0551-01		17F0551-02		17F0551-03		17F0057-03	
																SB5b (duplicate)		SB6a		SB6b		SB6b (duplicate)		SB7a	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	6/2/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	6/1/2017
																Time:	8:55 AM	Time:	11:45 AM	Time:	12:20 PM	Time:	12:20 PM	Time:	1:00 PM
																Depth:	12.5-13.5' bgs	Depth:	2.0-3.0' bgs	Depth:	15.0-16.0	Depth:	15.0-16.0	Depth:	1.0-2.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.7		8.3		7.8		7.5		8.8
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---		13200	I, J3	4570		17200		16700	I	7840
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U, B2	2.75	J3	14.0	U	2.65	U	2.63	U, B2, J3	2.40
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	U, B1	2.75		17.3	U	2.65	U	2.63	B1	3.12
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---		92.4	I, J3	602		118		120	I	97.4
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	U	0.14		0.11	U	0.13	U	0.13	U, J3	0.12
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	U, B1	6.88	B1, I, J3	45.6	B1	7.04	U, B1	6.58	U, B1	6.00
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	U	0.69		5.55	U	0.66	U	0.66	U	0.6
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---		4300	I, J3	79600		24300		7070	I	17900
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		21.7	J3	71.3		24.3		25.3	J3	12.5
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	---	---	---	---	---	---	---	---	---	---
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---		9.07		10.5		7.84		9.78	J3	5.52
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		11.8	I	5910		34.6		14.6	I, J3	46.7
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---		25100	I	97100		19300		24700	I	12300
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		12.9	I, J3	1690		24		15	I, J3	113
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---		4080	J3	40400		16500		5900	I	9820
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---		307		624		354		234	I	522
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.030		17.8		0.060		0.030		0.15
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---		15.5	J3	119		15.6		17.3		11
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---		1190		623		1360		1380		1240
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	2.75		2.28	U	2.65	U	2.63	U, I	2.4
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	U	0.69	U, J3	0.53	U	0.66	U	0.66	U	0.6
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	275		424	U	265	U	263		552
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	B2	21.1	B2, J3	49.8	B2	27.5	B2	23.7	B2, J3	16.8
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	U, B1	2.75	U, J3	2.13	U	2.65	U	2.63	U, B1	2.40
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980		29.5	J3	18.5		34.8		40.3		17.7
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---		63.9	I	9410		86.6		78.2	I	257
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.72	U	0.088	U	0.089	U	0.012
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.72	U	0.088	U	0.089	U	0.012
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.72	U	0.088	U	0.089	U	0.012
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.72	U	0.088	U	0.089	U	0.012
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.72	U	0.088	U	0.089	U	0.012
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---		2.5		210		34		18		0.26
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.013	U	0.72	U	0.088	U	0.089		0.22
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		2.5		210		34		18		0.48

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Soils (mg/kg)														17F0057-04		17F0589-01		17F0589-02		17F0057-01		17F0057-02			
																	SB7b		SB8a		SB8b		SB9a		SB9b			
			Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	6/1/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	6/1/2017	Date:	6/1/2017
																	Time:	1:05 PM	Time:	6:15 PM	Time:	6:25 PM	Time:	8:30 AM	Time:	8:35 AM		
																Depth:	11.0-12.0' bgs	Depth:	1.0-2.0' bgs	Depth:	15.0-16.0' bgs	Depth:	0.0-1.0' bgs	Depth:	11.0-12.0' bgs			
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result			
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8.2	Q	8.3		7.8		8.6		8.1			
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5	Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		6960	I	9340		11000	---	---	---	---			
	7440-36-0	Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5	U, B2	2.45	U	2.27	U	2.37	---	---	---	---		
	7440-38-2	Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	U, B1	2.45		13.1	U	2.37	B1	2.9	U, B1	2.44		
	7440-39-3	Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c		64		145		73.5		124	I, J3	56.6		
	7440-41-7	Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	U	0.12	U	0.11	U	0.12	---	---	---	---		
	7440-42-8	Boron	16,000	---	410,000	---	41,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U, B1	6.12	B1, I	57.2	U, B1	5.93	---	---	---	---		
	7440-43-9	Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	U	0.61	U	0.57	U	0.59	B1	4.31	U, B1	0.61		
	7440-70-2	Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		31700		101000		28200	---	---	---	---		
	7440-47-3	Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		10.7		17.5		17.9		28.8	I, J3	7.63		
	16065-83-1	Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---		
	7440-47-3	Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	---	---	---	---	---	---	---	---	---	---		
	7440-48-4	Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		5.18		6.11		5.46	---	---	---	---		
	7440-50-8	Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		9.33		147		8.49	---	---	---	---		
	15438-31-0	Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		12100		20300		13300	---	---	---	---		
	7439-92-1	Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		11		196		9.16		364	I	6.79		
	7439-95-4	Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		17500		54700		17800	---	---	---	---		
	7439-96-5	Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		469		361		144	---	---	---	---		
	7439-97-6	Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		0.02		0.21		0.010		0.86		0.01		
	7440-02-0	Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c		9.68	I	34.8		10.5	---	---	---	---		
	7440-09-7	Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		879		1740		961	---	---	---	---		
	7782-49-2	Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	2.45	U	2.27	U	2.37	U	2.15	U, I	2.44		
	7440-22-4	Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	U	0.61	U	0.57	U	0.59		1.01	U	0.61		
	7440-23-5	Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	245		745	U	237	---	---	---	---		
	7440-24-6	Strontium	47,000	---	1,000,000	---	410,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	B2	19.0	B2	77.4	B2	18.6	---	---	---	---		
	7440-28-0	Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	U, B1	2.45	U	2.27	U	2.37	---	---	---	---		
	7440-62-2	Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980		18.2		20.8		25.9	---	---	---	---		
	7440-66-6	Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c		39	I	553		49.2	---	---	---	---		
PCBS	12674-11-2	Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.012	U	0.074	U	0.012	U	0.011	U	0.012			
	11104-28-2	Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.012	U	0.074	U	0.012	U	0.011	U	0.012			
	11141-16-5	Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.012	U	0.074	U	0.012	U	0.011	U	0.012			
	53469-21-9	Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.012	U	0.074	U	0.012	U	0.011	U	0.012			
	12672-29-6	Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.012		16	U	0.012		0.3		8.10			
	11097-69-1	Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.012		53		0.014		1.2		6.10			
	11096-82-5	Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.012	U	0.074	U	0.012		0.95	U	0.012			
	1336-36-3	Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	--		69		0.014		2.45		14.20			

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														17F0589-03		17F0589-04		17F0118-04		17F0118-05		17F0020-03		
																SB10a		SB10b		SB11a		SB11b		SB12a		
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	6/13/2017	Date:	6/13/2017	Date:	6/2/2017	Date:	6/2/2017	Date:	5/31/2017	
																Time:	8:15 AM	Time:	8:20 AM	Time:	10:55 AM	Time:	11:00 AM	Time:	10:40 AM	
																Depth:	0.0-1.0' bgs	Depth:	11.0-12.0' bgs	Depth:	1.0-2.0' bgs	Depth:	15.0-16.0' bgs	Depth:	0.0-1.0' bgs	
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]								Q	8.0	Q	7.2		8.0		8.0		7.9	
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5	Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---		10400		10800		13300		9520		5200	
	7440-36-0	Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5		10.3	U	2.62	B2	4670	U, B2	2.59	B2	14.8	
	7440-38-2	Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	24.8		7.56	B1	261	U, B1	2.59	B1	24.3	
	7440-39-3	Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	248		182		207		76.2		240	
	7440-41-7	Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	1.17	U	0.13	U	0.12	U	0.13	U	0.11	
	7440-42-8	Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	B1	44.4	B1	17.9	B1	58.0	U, B1	6.46	B1	83.4	
	7440-43-9	Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	4.77	U	0.65		21.2	U	0.65	U	0.55	
	7440-70-2	Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---		68700		30000		39000		3980		88500	
	7440-47-3	Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---		221		16.4		130		16.2		161	
	16065-83-1	Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7440-47-3	Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	---	---	---	---	---	---	---	---	---	
	7440-48-4	Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---		15.5		6.35		10		7.78		12.4	
	7440-50-8	Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---	1190		64		2670		10.9		11800	
	15438-31-0	Iron	---	---	---	---	---	---	---	---	---	---	---	---	---		124000		33200		138000		18500		147000	
	7439-92-1	Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282	1210		414		93400		27.5		1590	
	7439-95-4	Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---		30300		12300		10900		3130		40100	
	7439-96-5	Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---		1110		873		828		359		1330	
	7439-97-6	Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---	3.98		0.98		42.8		0.030		5.25	
	7440-02-0	Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	276		13.4		155		13.7		139	
	7440-09-7	Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---		828		1210		329		927		348	
	7782-49-2	Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	2.25	U	2.62		16.4	U	2.59	U	2.19
	7440-22-4	Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	U	0.56	U	0.65		50.1	U	0.65		4.96
	7440-23-5	Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---		253	U	262	U	249	U	259		338	
	7440-24-6	Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	B2	48.1	B2	24.7	B2	44.5	B2	11.9	B2	57.3	
	7440-28-0	Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	U	2.25	U	2.62	U, B1	2.49	U, B1	2.59	U, B1	2.19
	7440-62-2	Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980		36.8		27.6		11		24.7		29.9	
	7440-66-6	Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	45200		483		5950		58.2		7830	
PCBs	12674-11-2	Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	U, J1	0.75	U, J1	0.086	U	0.012	U	0.013	U, J1	0.011	
	11104-28-2	Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	U, J1	0.75	U, J1	0.086	U	0.012	U	0.013	U, J1	0.011	
	11141-16-5	Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	U, J1	0.75	U, J1	0.086	U	0.012	U	0.013	U, J1	0.011	
	53469-21-9	Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	U, J1	0.75	U, J1	0.086	U	0.012	U	0.013	U, J1	0.011	
	12672-29-6	Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	U, J1	0.75	J1	1.10		16	U	0.013	J1	2.70	
	11097-69-1	Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	J1	310	J1	1.50		12	U	0.013	J1	2.50	
	11096-82-5	Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	U, J1	0.75	U, J1	0.086	U	0.012	U	0.013	U, J1	0.011	
	1336-36-3	Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---		310		2.60		28	U	--		5.20	

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														17F0020-04		17F0589-07		17F0589-08		17F0589-05		17F0589-06		
																SB12b		SB13a		SB13b		SB14a		SB14b		
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	5/31/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	
																Time:	10:40 AM	Time:	10:20 AM	Time:	10:30 AM	Time:	9:30 AM	Time:	9:40 AM	
																Depth:	8.0-9.0' bgs	Depth:	1.0-2.0' bgs	Depth:	12.0-13.0' bgs	Depth:	0.0-1.0' bgs	Depth:	11.0-12.0' bgs	
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8.4	Q	7.6	Q	7.9	Q	7.9	Q	7.8	
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5	Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---		8040		5690		4760		6330		15300	
	7440-36-0	Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	U, B2	2.39		3.3	U	2.48		3.84	U	2.56	
	7440-38-2	Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	U, B1	2.39		12.2	U	2.48		5.84		3.37
	7440-39-3	Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---		69.6		107		37.4		721		140
	7440-41-7	Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	U	0.12	U	0.12	U	0.12	U	0.11	U	0.13
	7440-42-8	Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	U, B1	5.97	B1	43.5	U, B1	6.20	B1	54.3	U, B1	6.41	
	7440-43-9	Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	U	0.6	U	0.59	U	0.62		1.75	U	0.64
	7440-70-2	Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---		14900		34800		45600		106000		5280	
	7440-47-3	Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---		11		64.6		7.31		55.4		22	
	16065-83-1	Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3	Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	---	---	---	---	---	---	---	---	---	
	7440-48-4	Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---		6.15		7.4		3.32		7.05		10.5	
	7440-50-8	Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		9.11		234		4.11		563		12.4
	15438-31-0	Iron	---	---	---	---	---	---	---	---	---	---	---	---	---		13200		61700		7530		60700		22800	
	7439-92-1	Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		11.4		328		5.23		413		15.3
	7439-95-4	Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---		9120		18200		22600		55600		4980	
	7439-96-5	Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---		605		399		189		677		790	
	7439-97-6	Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.02		0.43		0.02		0.97		0.03
	7440-02-0	Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---		11.5		59.3		5.45		56.4		20.4
	7440-09-7	Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---		1140		800		465		505		1380	
	7782-49-2	Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	2.39		6.32	U	2.48		3.39	U	2.56
	7440-22-4	Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	U	0.6	U	0.59	U	0.62	U	0.55	U	0.64
	7440-23-5	Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	239		374	U	248		280	U	256
	7440-24-6	Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	B2	14.8	B2	64.2	B2	21.0	B2	59.1	B2	16.1	
	7440-28-0	Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	U, B1	2.39	U	2.35	U	2.48	U	2.22	U	2.56
	7440-62-2	Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980		20.4		23.8		15.8		16.9		38.6	
	7440-66-6	Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---		46.5		852		20.3		1870		81.9
PCBs	12674-11-2	Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.012	U, J1	0.076	U	0.012	U	0.011	U	0.013	
	11104-28-2	Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.012	U, J1	0.076	U	0.012	U	0.011	U	0.013	
	11141-16-5	Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.012	U, J1	0.076	U	0.012	U	0.011	U	0.013	
	53469-21-9	Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.012	U, J1	0.076	U	0.012	U	0.011	U	0.013	
	12672-29-6	Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---		0.064	J1	0.48	U	0.012		3.40		0.016	
	11097-69-1	Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---		0.067	J1	1.1	U	0.012		6.80		0.037	
	11096-82-5	Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.012	U, J1	0.076	U	0.012	U	0.011	U	0.013	
	1336-36-3	Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---		0.131		1.58	U	--		10.20		0.118	

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														17F0551-06		17F0551-07		17F0551-08		17-F0551-09		18G0149-01	
																SB16a		SB16b		SB17a		SB17b		DMC-SB 18	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	6/12/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	7/9/2018
																Time:	3:15 PM	Time:	3:20 PM	Time:	4:45 PM	Time:	4:50 PM	Time:	1:50 PM
																Depth:	1.0-2.0' bgs	Depth:	13.0-14.0' bgs	Depth:	0.0-1.0' bgs	Depth:	14.0-15.0' bgs	Depth:	2.0-3.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.7		7.7		7.9		8.1		9.5**
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---		10300		14200		14600		9800	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5		34.5	U	2.61		20.9	U	2.75	U	2.75
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		57.9	U	2.61		70.6	U	2.36		4.63
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---		778		142		1380		65.9	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---		0.23	U	0.13	U	0.11	U	0.12	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	B1	1040	B1	12.2	B1	320	B1	11.7	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---		16.8	U	0.65		11.2	U	0.59	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---		55800		5370		54100		47700	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		432		23.9		213		13.6		8.57
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		8.57
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	---	---	---	---	---	---	---		U,MC	0.330
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---		17.7		10.1		13.9		5.96	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		2310		22.7		1290		12.4		83.5
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---		156000		25500		132000		9970	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		8270		26.4		3830		19.6		57.4
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---		18500		4270		24400		22100	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---		1230		662		1120		221	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		17.2		0.04		26.4		0.21		0.293
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---		308		22.6		288		10.3	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---		2550		1160		1130		1360	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3		4.16	U	2.61		2.43	U	2.36		0.636
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	U	0.63	U	0.65	U	0.56	U	0.59	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---		1990		283		1100	U	236	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	B2	64.5	B2	17.8	B2	65.9	B2	26.3	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	U	2.52	U	2.61	U	2.23	U	2.36	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980		26.7		36.5		28		21.4	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---		13200		116		5210		50	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.082	U	0.013	U, J1	0.075	U	0.012	U	0.179
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.082	U	0.013	U, J1	0.075	U	0.012	U	0.179
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.082	U	0.013	U, J1	0.075	U	0.012	U	0.179
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.082	U	0.013	U, J1	0.075	U	0.012	U	0.179
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---		27		0.031	J1	39		0.07	U	0.179
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---		63		0.053	J1	150		0.17	U	0.179
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.082	U	0.013	U, J1	0.075	U	0.012	U	0.179
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		90		0.149		189		0.30	U	--

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0149-02		18G0149-03		18G0149-04		18G0149-05		18G0149-06	
																DMC-SB 18		DMC-SB 18		DMC-SB 18		DMC-SB 18		DMC-SB 18	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/9/2018	Date:	7/9/2018	Date:	7/9/2018	Date:	7/9/2018	Date:	7/9/2018
																Time:	1:55 PM	Time:	1:58 PM	Time:	2:00 PM	Time:	2:02 PM	Time:	2:05 PM
																Depth:	4.0-5.0' bgs	Depth:	6.0-7.0' bgs	Depth:	8.0-9.0' bgs	Depth:	10.0-11.0' bgs	Depth:	12.0-13.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									10**		7.1		7.1		7.2		7.1
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.77	U	3.16	U	3.15	U	3.20	U	3.01
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	U	2.77		4.91		6.54		5.21		6.54
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		17.0		17.6		21.1		21.8		24.0
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		17.0		17.6		21.1		21.8		24.0
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.346	U,MC	0.392	U,MC	0.387	U,MC	0.388	U,MC	0.393
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		75.6		18.0		14.1		11.9		14.7
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		15.2		33.8		13.1		12.9		12.1
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.0256		0.114		0.0302		0.0345		0.0338
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.554	U	0.633	U	0.631	U	0.639	U	0.602
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.371	U	0.0429	U	0.0429	U	0.0423	U	0.0435
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.371	U	0.0429	U	0.0429	U	0.0423	U	0.0435
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.371	U	0.0429	U	0.0429	U	0.0423	U	0.0435
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.371	U	0.0429	U	0.0429	U	0.0423	U	0.0435
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.371	U	0.0429	U	0.0429	U	0.0423	U	0.0435
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.371	U	0.0429	U	0.0429	U	0.0423	U	0.0435
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.371	U	0.0429	U	0.0429	U	0.0423	U	0.0435
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	--	U	--	U	--	U	--	U	--

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0149-07		18G0149-08		18G0149-09		18G0149-10		18G0149-11	
																DMC-SB 18		DMC-SB 18		DMC-SB 19		DMC-SB 19		DMC-SB 19	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/9/2018	Date:	7/9/2018	Date:	7/9/2018	Date:	7/9/2018	Date:	7/9/2018
																Time:	2:10 PM	Time:	2:15 PM	Time:	3:40 PM	Time:	3:50 PM	Time:	3:52 PM
																Depth:	14.0-15.0' bgs	Depth:	16.0-17.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.4		7.8		8.4		8.0		7.3
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5	U	2.96	U	2.52		6.55		12.3		7.69
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		4.36	U	2.52		4.69		10.2		9.38
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		19.3		7.85		419		24.4		136
	16065-83-1 Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		19.3		7.85		419		24.4		136
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.386	U,MC	0.330	U,MC	0.317	U,MC	0.327	U,MC	0.332
	7440-48-4 Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		9.97		7.47		265		13100		2540
	15438-31-0 Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		8.67		2.96		242		12900		892
	7439-95-4 Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		0.0246	U	0.0201		0.337		5.56		4.35
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.592	U	0.503		1.24		5.33	U	0.524
	7440-22-4 Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.213	U	0.316	U	0.349	U	36.4	U	3.68
	11104-28-2 Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.214	U	0.316	U	0.349	U	36.4	U	3.68
	11141-16-5 Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.215	U	0.316	U	0.349	U	36.4	U	3.68
	53469-21-9 Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.216	U	0.316	U	0.349	U	36.4	U	3.68
	12672-29-6 Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.217	U	0.316	U	0.349	U	36.4	U	3.68
	11097-69-1 Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		10.4		8.44	U	0.349		600		209
	11096-82-5 Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.213	U	0.316	U	0.349	U	36.4	U	3.68
	1336-36-3 Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		10.4		8.44	U	--		600		209

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0149-12		18G0149-20		18G0149-13		18G0149-14		18G0149-15	
																DMC-SB 19		DMC DUP01 (SB19)		DMC-SB 19		DMC-SB 19		DMC-SB 19	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/9/2018	Date:	7/9/2018	Date:	7/9/2018	Date:	7/9/2018	Date:	7/9/2018
																Time:	3:55 PM	Time:	3:55 PM	Time:	4:00 PM	Time:	4:05 PM	Time:	4:10 PM
																Depth:	6.0-7.0' bgs	Depth:	6.0 to 7.0' bgs	Depth:	8.0-9.0' bgs	Depth:	10.0-11.0' bgs	Depth:	12.0-15.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.1		7.2		7.5		7.5		7.3
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5	U	3.35	U	3.03		7.36	U	3.10	U	3.25
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		6.48		5.92		5.03		6.64		5.91
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		22.2		21.6		286		25.8		26.8
	16065-83-1 Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		22.2		20.838		286		25.8		26.8
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.403	MC	0.762	U,MC	0.380	U,MC	0.392	U,MC	0.407
	7440-48-4 Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		20.0		17.1		830		19.3		17.1
	15438-31-0 Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		30.8		16.4		499		15.8		16.5
	7439-95-4 Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		0.135		0.0368		7.44		0.0751		0.0513
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.670	U	0.607	U	0.612	U	0.620	U	0.651
	7440-22-4 Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0445	U	0.437	U	0.419	U	0.217	U	0.444
	11104-28-2 Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0445	U	0.437	U	0.419	U	0.217	U	0.444
	11141-16-5 Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0445	U	0.437	U	0.419	U	0.217	U	0.444
	53469-21-9 Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0445	U	0.437	U	0.419	U	0.217	U	0.444
	12672-29-6 Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0445	U	0.437	U	0.419	U	0.217	U	0.444
	11097-69-1 Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		9.56	U	0.437	U	0.419		72.7	U	0.444
	11096-82-5 Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0445	U	0.437	U	0.419	U	0.217	U	0.444
	1336-36-3 Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		9.56	U	--	U	--		72.7	U	--

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0149-16		18G0149-17		18G0193-01		18G0193-02		18G0193-03	
																DMC-SB 19		DMC-SB 19		DMC-SB 20		DMC-SB 20		DMC-SB 20	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/9/2018	Date:	7/9/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018
																Time:	4:15 PM	Time:	4:30 PM	Time:	8:40 AM	Time:	8:45 AM	Time:	8:50 AM
																Depth:	14.0-15.0' bgs	Depth:	16.0-17.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0'bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.6		7.7		8.1		8		6.8
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.65	U	2.47		7.17		29.5	U	2.83
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	U	2.65	U	2.47		10.5		15.1		9.27
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		8.40		7.82		164		29		21.9
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		8.40		7.82		164		29		21.9
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.336	U,MC	0.324	U,MC	0.323	U,MC	0.331	U,MC	0.366
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		4.21		5.88		3100		373		19.3
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		4.22		2.60		344		1490		54.2
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---	U	0.0212	U	0.0198		0.53		4.99		0.199
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.530		0.569	U	0.519	U	0.505	U	0.566
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.354	U	0.354	U	0.353	U	0.361	U	0.0403
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.354	U	0.354	U	0.353	U	0.361	U	0.0403
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.354	U	0.354	U	0.353	U	0.361	U	0.0403
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.354	U	0.354	U	0.353	U	0.361	U	0.0403
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.354	U	0.354	U	0.353	U	0.361	U	0.0403
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.354	U	0.354	U	0.353	U	0.361	U	0.0403
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.354	U	0.354	U	0.353	U	0.361	U	0.0403
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	--	U	--	U	--	U	--	U	--

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0193-04		18G0193-05		18G0193-06		18G0193-07		18G0193-08	
																DMC-SB 20		DMC-SB 20		DMC-SB 20		DMC-SB 20		DMC-SB 20	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018
																Time:	8:55 AM	Time:	8:57 AM	Time:	9:00 AM	Time:	9:20 AM	Time:	9:30 AM
																Depth:	6.0-7.0' bgs	Depth:	8.0-9.0' bgs	Depth:	10.0-11.0' bgs	Depth:	12.0-13.0' bgs	Depth:	16.0-17.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7		7		7.3		7.8		7.8
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	3.15	U	3.11	U	3.25	U	3.29	U	2.63
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		6.95		7.02		6.68		5.9	U	2.63
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		23.2		24		27.8		24.3		3.47
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		23.2		24		27.8		24.3		3.47
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.387	U,MC	0.384	U,MC	0.392	U,MC	0.395	U,MC	0.337
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		16.1		17.7		17.9		15		2.59
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		16.3		14.8		15.5		15.4		1.59
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.0508		0.0479		0.0529		0.068	U	0.021
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3		0.687		0.65	U	0.651	U	0.657	U	0.525
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0414	U	0.0411	U	0.0433	U	0.0426	U	0.0372
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0414	U	0.0411	U	0.0433	U	0.0426	U	0.0372
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0414	U	0.0411	U	0.0433	U	0.0426	U	0.0372
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0414	U	0.0411	U	0.0433	U	0.0426	U	0.0372
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0414	U	0.0411	U	0.0433	U	0.0426	U	0.0372
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0414	U	0.0411	U	0.0433	U	0.0426	U	0.0372
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0414	U	0.0411	U	0.0433	U	0.0426	U	0.0372
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	--	U	--	U	--	U	--	U	--

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0193-09		18G0193-10		18G0193-11		18G0193-12		18G0193-13		
																DMC-SB 21		DMC-SB 21		DMC-SB 21		DMC-SB 21		DMC-SB 21		
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	
																Time:	11:15 AM	Time:	11:20 AM	Time:	11:25 AM	Time:	11:30 AM	Time:	11:35 AM	
																Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	6.0-7.0' bgs	Depth:	8.0-9.0' bgs	
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8.2		8.1		8.3		7.8		7.7	
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5	Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	
	7440-36-0	Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5		6.55	U	2.75		181	U	3.37	U	3.15	
	7440-38-2	Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		4.91		34.3		9.91		5.77	6.59	
	7440-39-3	Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-41-7	Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-42-8	Boron	16,000	---	410,000	---	41,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-43-9	Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-70-2	Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-47-3	Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		635		15.6		386		22.1	26	
	16065-83-1	Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		635		15.6		386		22.1	26	
	7440-47-3	Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.314	U,MC	0.354	U,MC	0.329	U,MC	0.407	U,MC	0.389
	7440-48-4	Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-50-8	Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		586		40.3		971		14.4	16.6	
	15438-31-0	Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7439-92-1	Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		217		268		1780		14.3	15.6	
	7439-95-4	Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7439-96-5	Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7439-97-6	Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		0.906		0.119		46.9		0.0434	0.0551	
	7440-02-0	Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-09-7	Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7782-49-2	Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3		1.00	U	0.551	U	0.546	U	0.674	U	0.629
	7440-22-4	Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-23-5	Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-24-6	Strontium	47,000	---	1,000,000	---	410,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-28-0	Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	
	7440-62-2	Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	
	7440-66-6	Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
PCBs	12674-11-2	Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.034	U	0.196	U	0.182	U	0.0441	U	0.0431	
	11104-28-2	Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.034	U	0.196	U	0.182	U	0.0441	U	0.0431	
	11141-16-5	Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.034	U	0.196	U	0.182	U	0.0441	U	0.0431	
	53469-21-9	Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.034	U	0.196	U	0.182	U	0.0441	U	0.0431	
	12672-29-6	Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.034	U	0.196	U	0.182	U	0.0441	U	0.0431	
	11097-69-1	Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.034	U	0.196		7310	U	0.0441	U	0.0431	
	11096-82-5	Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.034		0.94	U	0.182	U	0.0441	U	0.0431	
	1336-36-3	Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	--		0.94		7310	U	--	U	--

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0193-14		18G0193-15		18G0193-16		18G0193-17		18G0193-18	
																DMC-SB 21		DMC-SB 21		DMC-SB 21		DMC-SB 22		DMC-SB 22	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018
																Time:	12:40 PM	Time:	11:40 AM	Time:	12:15 PM	Time:	10:00 AM	Time:	10:05 AM
																Depth:	10.0-11.0' bgs	Depth:	12.0-13.0' bgs	Depth:	16.0-17.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.5		7.6		7.5		9.3**		7.6
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5	U	3.3	U	3.19	U	2.62		7.4	U	2.9
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		5.86		4.05	U	2.62		9.3		9.64
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		22.8		16.8		5.76		151		18.8
	16065-83-1 Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		22.8		16.8		5.76		151		18.8
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.397	U,MC	0.387	U,MC	0.344	U,MC	0.327	U,MC	0.376
	7440-48-4 Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		14.6		10.9		5.97		285		23.7
	15438-31-0 Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		13.8		9.93		3.06		843		45.9
	7439-95-4 Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		0.05		0.0449		0.0237		0.597		0.129
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.66	U	0.639	U	0.524	U	0.519	U	0.581
	7440-22-4 Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.429	U	0.425	U	0.372	U	0.351	U	0.041
	11104-28-2 Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.429	U	0.425	U	0.372	U	0.351	U	0.041
	11141-16-5 Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.429	U	0.425	U	0.372	U	0.351	U	0.041
	53469-21-9 Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.429	U	0.425	U	0.372	U	0.351	U	0.041
	12672-29-6 Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.429	U	0.425	U	0.372	U	0.351	U	0.041
	11097-69-1 Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		385		73.4		37	U	0.351	U	0.041
	11096-82-5 Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.429	U	0.425	U	0.372		0.425	U	0.041
	1336-36-3 Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		385		73.4		37		0.43	U	--

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0193-41		18G0193-19		18G0193-20		18G0193-21		18G0193-22	
																DMC-DUP 02 (SB22)		DMC-SB 22		DMC-SB 22		DMC-SB 22		DMC-SB 22	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018
																Time:	10:05 AM	Time:	10:10 AM	Time:	10:15 AM	Time:	10:20 AM	Time:	10:25 AM
																Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	6.0-7.0' bgs	Depth:	8.0-9.0' bgs	Depth:	10.0-11.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8		7.7		7.4		8.1		8.4
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.86	U	3.09	U	2.62	U	2.42	U	2.55
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		9.34		8.63	U	2.62	U	2.42	U	2.55
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		17.5		33.4		7.91		9.16		6.82
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		17.5		33.4		7.91		9.16		6.82
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.376	U,MC	0.374	U,MC	0.817	U,MC	0.313	U,MC	0.313
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		20.8		41.1		7.75		9.75		3.52
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		66		54.8		3.54		5.61		1.77
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.115		0.139	U	0.021		0.0253	U	0.0204
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.572	U	0.618	U	0.524	U	0.483	U	0.51
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0407	U	0.0409	U	0.0353	U	0.0347	U	0.0335
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0407	U	0.0409	U	0.0353	U	0.0347	U	0.0335
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0407	U	0.0409	U	0.0353	U	0.0347	U	0.0335
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0407	U	0.0409	U	0.0353	U	0.0347	U	0.0335
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0407	U	0.0409	U	0.0353	U	0.0347	U	0.0335
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0407	U	0.0409	U	0.0353	U	0.0347	U	0.0335
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0407	U	0.0409	U	0.0353	U	0.0347	U	0.0335
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	--	U	--	U	--	U	--	U	--

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0193-23		18G0193-24		18G0259-01		18G0259-02		18G0259-03	
																DMC-SB 22		DMC-SB 22		DMC-SB 23		DMC-SB 23		DMC-SB 23	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/10/2018	Date:	7/10/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018
																Time:	10:30 AM	Time:	10:35 AM	Time:	8:55 AM	Time:	9:00 AM	Time:	9:05 AM
																Depth:	12.0-13.0' bgs	Depth:	16.0-17.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8.4		7.8		7.7		8.4		8.6
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5	U	2.5	U	2.77	U	2.55	U	2.96	U	3.08
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		3.71	U	2.77	U	2.55		7.36		7.98
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		8.17		4.48		5.32		19.5		18.8
	16065-83-1 Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		8.17		4.48		5.32		19.5		18.8
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.327	U,MC	0.342	U,MC	0.313	U,MC	0.368	U,MC	0.371
	7440-48-4 Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		6.81		3.34		77.2		11.7		14.8
	15438-31-0 Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		3.18		1.69		60.5		12.4		12.2
	7439-95-4 Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		0.0261	U	0.0221		0.274		0.035		0.0368
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.499	U	0.553	U	0.51	U	0.593	U	0.615
	7440-22-4 Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0349	U	0.0369	U	0.0343	U	0.0398	U	0.0409
	11104-28-2 Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0349	U	0.0369	U	0.0343	U	0.0398	U	0.0409
	11141-16-5 Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0349	U	0.0369	U	0.0343	U	0.0398	U	0.0409
	53469-21-9 Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0349	U	0.0369	U	0.0343	U	0.0398	U	0.0409
	12672-29-6 Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0349	U	0.0369	U	0.0343	U	0.0398	U	0.0409
	11097-69-1 Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0349	U	0.0369	U	0.0343	U	0.0398	U	0.0409
	11096-82-5 Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0349	U	0.0369		0.136	U	0.0398	U	0.0409
	1336-36-3 Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	--	U	--		0.136	U	--	U	--

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Soils (mg/kg)														18G0193-25		18G0193-26		18G0193-27		18G0193-31		18G0193-32	
																	DMC-SB 24		DMC-SB 24		DMC-SB 24		DMC-SB 25		DMC-SB 25	
			Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018
																	Time:	1:25 PM	Time:	1:27 PM	Time:	1:29 PM	Time:	2:45 PM	Time:	2:50 PM
															Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs		
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8.5		8		7.5		8.3		7.7	
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5	Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	
	7440-36-0	Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5		46.6	U	3.24		6.22		7.26	U	2.85	
	7440-38-2	Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		14.4		15.2		7.98		7.8		17.8
	7440-39-3	Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-41-7	Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-42-8	Boron	16,000	---	410,000	---	41,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-43-9	Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-70-2	Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-47-3	Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		157		12.8		22.7		174		22
	16065-83-1	Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		157		12.8		22.7		174		22
	7440-47-3	Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.318	U,MC	0.392	U,MC	0.412	U,MC	0.318	U,MC	0.359
	7440-48-4	Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-50-8	Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		18100		888		41		479		91.9
	15438-31-0	Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7439-92-1	Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		2320		163		104		1200		163
	7439-95-4	Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7439-96-5	Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7439-97-6	Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		1.6		0.464		0.66		1.06		0.349
	7440-02-0	Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-09-7	Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7782-49-2	Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3		0.68	U	0.648	U	0.665		1.72	U	0.57
	7440-22-4	Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-23-5	Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-24-6	Strontium	47,000	---	1,000,000	---	410,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-28-0	Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	
	7440-62-2	Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	
	7440-66-6	Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
PCBS	12674-11-2	Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.17	U	0.216	U	0.0433	U	0.166	U	0.195	
	11104-28-2	Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.17	U	0.216	U	0.0433	U	0.166	U	0.195	
	11141-16-5	Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.17	U	0.216	U	0.0433	U	0.166	U	0.195	
	53469-21-9	Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.17	U	0.216	U	0.0433	U	0.166	U	0.195	
	12672-29-6	Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.17	U	0.216	U	0.0433	U	0.166	U	0.195	
	11097-69-1	Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.17	U	0.216	U	0.0433	U	0.166	U	0.195	
	11096-82-5	Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.17	U	0.216	U	0.0433	U	0.166	U	0.195	
	1336-36-3	Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	--	U	--	U	--	U	--	U	--	

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0193-33		18G0193-28		18G0193-29		18G0193-42		18G0193-30	
																DMC-SB 25		DMC-SB 26		DMC-SB 26		DMC-DUP 03 (SB26)		DMC-SB 26	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018
																Time:	2:55 PM	Time:	1:55 PM	Time:	2:00 PM	Time:	2:00 PM	Time:	2:05 PM
																Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.7		8		7.8		7.6		7.7
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5	U	3.07		173		43.3		17.9		7.13
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		5.06		71.9		39.7		40.4		7.72
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		23.8		68.4		30.8		34.9		25.7
	16065-83-1 Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		23.8		68.4		30.8		34.9		25.7
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.391	U,MC	0.326	U,MC	0.392	U,MC	0.370	U,MC	0.413
	7440-48-4 Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		25.3		1020		709		503		69.2
	15438-31-0 Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		32.3		6950		2130		1920		410
	7439-95-4 Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		0.0969		4.01		2.27		2.28		0.459
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.613	U	0.5		2.41		5.28	U	0.681
	7440-22-4 Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0418	U	0.349	U	0.208	U	0.193	U	0.225
	11104-28-2 Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0418	U	0.349	U	0.208	U	0.193	U	0.225
	11141-16-5 Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0418	U	0.349	U	0.208	U	0.193	U	0.225
	53469-21-9 Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0418	U	0.349	U	0.208	U	0.193	U	0.225
	12672-29-6 Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0418	U	0.349	U	0.208	U	0.193	U	0.225
	11097-69-1 Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0418	U	0.349	U	0.208	U	0.193	U	0.225
	11096-82-5 Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0418		1.72	U	0.208	U	0.193	U	0.225
	1336-36-3 Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	--		1.72	U	--	U	--	U	--

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0229-46		18G0229-47		18G0229-48		18G0229-37		18G0229-38		
																DMC-SB 27		DMC-SB 27		DMC-SB 27		DMC-SB 28		DMC-SB 28		
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	
																Time:	4:25 PM	Time:	4:30 PM	Time:	4:35 PM	Time:	2:45 PM	Time:	2:50 PM	
																Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.3		6.8		7.5		8		11**	
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5	Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7440-36-0	Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5		8.88	U	2.45	U	2.64		8.98	U	2.58	
	7440-38-2	Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		18.5		3.09		3.97		9.51	U	2.58
	7440-39-3	Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	
	7440-41-7	Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	
	7440-42-8	Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7440-43-9	Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	
	7440-70-2	Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7440-47-3	Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---		61.9		2.99		7.23		206		8.05	
	16065-83-1	Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---		61.9		2.99		7.23		206		8.05	
	7440-47-3	Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.400	U,MC	0.311	U,MC	0.318	U,MC	0.342	U,MC	0.324
	7440-48-4	Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7440-50-8	Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		319		2.94		35.2		558		8.78
	15438-31-0	Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7439-92-1	Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		921		7.01		38.3		702		21.5
	7439-95-4	Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7439-96-5	Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7439-97-6	Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		2.39		0.118		0.41		2.95		0.0596
	7440-02-0	Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	
	7440-09-7	Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7782-49-2	Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.655	U	0.489	U	0.528	U	0.559	U	0.517
	7440-22-4	Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	
	7440-23-5	Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7440-24-6	Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	7440-28-0	Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	
	7440-62-2	Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	
	7440-66-6	Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	
PCBs	12674-11-2	Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	U	4.39	U	0.0336	U	0.346		13.6	U	0.0352	
	11104-28-2	Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	U	4.39	U	0.0336	U	0.346	U	0.358	U	0.0352	
	11141-16-5	Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	U	4.39	U	0.0336	U	0.346	U	0.358	U	0.0352	
	53469-21-9	Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	U	4.39	U	0.0336	U	0.346	U	0.358	U	0.0352	
	12672-29-6	Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	U	4.39	U	0.0336	U	0.346	U	0.358	U	0.0352	
	11097-69-1	Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---		15.7		0.0739		4.91	U	0.358	U	0.0352	
	11096-82-5	Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	U	4.39	U	0.0336	U	0.346		1.84	U	0.0352	
	1336-36-3	Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---		15.7		0.074		4.91		15.44	U	--	

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0229-39		18G0229-34		18G0229-35		18G0229-36		18G0229-50	
																DMC-SB 28		DMC-SB 29		DMC-SB 29		DMC-SB 29		DMC-DUP 05 (SB29)	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018
																Time:	2:55 PM	Time:	2:15 PM	Time:	2:20 PM	Time:	2:25 PM	Time:	2:25 PM
																Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	4.0-5.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8.2		7.5		8.4		8.4		7.9
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.8		20.6	U	2.58	U	2.59		4.41
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		4.72		16.1		2.94	U	2.59		6.13
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		11.8		140		6.97		8.8		62.5
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		11.8		140		6.97		8.8		62.5
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.337	U,MC	0.354	U,MC	0.317	U,MC	0.320	U,MC	0.317
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		8.06		4830		10.3		154		201
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		15.5		1260		82.8		92.9		343
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.114		2.67		0.0391		0.101		0.453
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.561		1.69	U	0.516	U	0.519	U	0.517
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0373	U	0.388	U	0.0330	U	0.0344	U	0.350
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0373	U	0.388	U	0.0330	U	0.0344	U	0.350
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0373	U	0.388	U	0.0330	U	0.0344	U	0.350
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0373	U	0.388	U	0.0330	U	0.0344	U	0.350
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0373	U	0.388	U	0.0330	U	0.0344	U	0.350
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0373		3.98	U	0.0330	U	0.0344		1.84
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0373	U	0.388	U	0.0330	U	0.0344	U	0.350
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	--		3.98	U	--	U	--		1.84

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0229-43		18G0229-44		18G0229-45		18G0229-40		18G0229-41	
																DMC-SB 30		DMC-SB 30		DMC-SB 30		DMC-SB 31		DMC-SB 31	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018
																Time:	3:50 PM	Time:	3:55 PM	Time:	4:00 PM	Time:	3:10 PM	Time:	3:15 PM
																Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.9		8.6		7.5		7.7		7.7
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5		13.2	U	2.5	U	2.87	U	2.75	U	2.8
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		12.6	U	2.5		4.75	U	2.75		4.18
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		134		4.68		16.1		31.5		10.5
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		134		4.68		16.1		31.5		10.5
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.336	U,MC	0.315	U,MC	0.376	U,MC	0.356	U,MC	0.364
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		1110		7.2		11		154		361
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		530		16.7		23.8		166		77.2
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.68		0.0314		0.0555		0.255		0.0336
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.556	U	0.5	U	0.575	U	0.551	U	0.56
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0369	U	0.0347	U	0.0407	U	0.382	U	0.0404
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0369	U	0.0347	U	0.0407	U	0.382	U	0.0404
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0369	U	0.0347	U	0.0407	U	0.382	U	0.0404
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0369	U	0.0347	U	0.0407	U	0.382	U	0.0404
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0369	U	0.0347	U	0.0407	U	0.382	U	0.0404
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0369	U	0.0347	U	0.0407		2.58	U	0.0404
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---		0.146	U	0.0347	U	0.0407	U	0.382	U	0.0404
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		0.146	U	--	U	--		2.58	U	--

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0229-42		18G0229-01		18G0229-02		18G0229-03		18G0229-04	
																DMC-SB 31		DMC-SB 32		DMC-SB 32		DMC-SB 32		DMC-SB 32	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018
																Time:	3:20 PM	Time:	8:20 AM	Time:	8:25 AM	Time:	8:30 AM	Time:	8:35 AM
																Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	6.0-7.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8.1		8.2		7.4		7.9		7.5
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.82		15.5	U	2.85	U	2.77	U	3.02
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		3.19		5.93	U	2.85	U	2.77		5.33
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		12.8		303		3.66		12.8		19.8
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		12.8		303		3.66		12.8		19.8
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.346	U,MC	0.320	U,MC	0.356	U,MC	0.359	U,MC	0.377
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		12.2		1220		10.3		8.74		11.5
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		17.2		600		22		9.39		12.3
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.0341		0.722		0.0306		0.0255		0.0314
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.564		2.18	U	0.57	U	0.554	U	0.604
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---		1.35	U	0.175	U	0.0379	U	0.0387	U	0.0414
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0374	U	0.175	U	0.0379	U	0.0387	U	0.0414
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0374	U	0.175	U	0.0379	U	0.0387	U	0.0414
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0374	U	0.175	U	0.0379	U	0.0387	U	0.0414
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0374	U	0.175	U	0.0379	U	0.0387	U	0.0414
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0374		2.11	U	0.0379	U	0.0387	U	0.0414
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---		2.13	U	0.175		0.11	U	0.0387	U	0.0414
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		3.48		2.11		0.11	U	--	U	--

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0229-05		18G0229-06		18G0229-07		18G0229-08		18G0229-09	
																DMC-SB 32		DMC-SB 32		DMC-SB 32		DMC-SB 32		DMC-SB 32	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018
																Time:	8:50 AM	Time:	8:55 AM	Time:	8:58 AM	Time:	9:10 AM	Time:	9:15 AM
																Depth:	8.0-9.0' bgs	Depth:	10.0-11.0' bgs	Depth:	12.0-13.0' bgs	Depth:	16.0-17.0' bgs	Depth:	18.0-19.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.7		7.6		7.7		8.2		8
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.97	U	2.95	U	2.98	U	2.82	U	2.75
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		3.71	U	2.95	U	2.98	U	2.82	U	2.75
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		14		11.8		8.82		4.74		5.07
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		14		11.8		8.82		4.74		5.07
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.363	U,MC	0.376	U,MC	0.365	U,MC	0.350	U,MC	0.343
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		6.19		6.01		4		2.89		2.88
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		8.34		6.9		5.18		1.55		1.96
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.0305		0.025	U	0.0239	U	0.0226	U	0.022
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.594	U	0.589	U	0.597	U	0.565	U	0.551
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0388	U	0.0404	U	0.0390	U	0.0367	U	0.0367
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0388	U	0.0404	U	0.0390	U	0.0367	U	0.0367
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0388	U	0.0404	U	0.0390	U	0.0367	U	0.0367
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0388	U	0.0404	U	0.0390	U	0.0367	U	0.0367
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0388	U	0.0404	U	0.0390	U	0.0367	U	0.0367
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0388	U	0.0404	U	0.0390	U	0.0367	U	0.0367
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0388	U	0.0404	U	0.0390	U	0.0367	U	0.0367
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	--	U	--	U	--	U	--	U	--

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
calc Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0229-31		18G0229-32		18G0229-33		18G0229-10	
																DMC-SB 33		DMC-SB 33		DMC-SB 33		DMC-SB 34	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018
																Time:	1:45 PM	Time:	1:50 PM	Time:	1:55 PM	Time:	9:45 AM
																Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.9		8.1		7.7		7.8
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5		12.8	U	2.82	U	2.89		8.97
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		7.91		6.13		5.63		9.43
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16,000	---	410,000	---	41,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		283		16		30.9		174
	16065-83-1 Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		283		16		30.9		174
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.341	U,MC	0.351	U,MC	0.367	U,MC	0.328
	7440-48-4 Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		4560		30.7		32.5		506
	15438-31-0 Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		2290		22.9		48.3		523
	7439-95-4 Magnesium	325,000	--- ^c	--- ^c	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		2.4		0.0932		0.367		1.74
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3		1.11	U	0.565	U	0.579	U	0.539
	7440-22-4 Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47,000	---	1,000,000	---	410,000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.189	U	0.0389	U	0.0377	U	0.180
	11104-28-2 Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.189	U	0.0389	U	0.0377	U	0.180
	11141-16-5 Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.189	U	0.0389	U	0.0377	U	0.180
	53469-21-9 Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.189	U	0.0389	U	0.0377	U	0.180
	12672-29-6 Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.189	U	0.0389	U	0.0377	U	0.180
	11097-69-1 Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		8.38	U	0.0389	U	0.0377	U	0.180
	11096-82-5 Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.189	U	0.0389	U	0.0377		0.577
	1336-36-3 Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		8.38	U	--	U	--		0.58

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0229-11		18G0229-12		18G0193-34		18G0193-35		18G0193-36	
																DMC-SB 34		DMC-SB 34		DMC-SB 35		DMC-SB 35		DMC-SB 35	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/11/2018	Date:	7/11/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018
																Time:	9:50 AM	Time:	9:55 AM	Time:	3:33 PM	Time:	3:35 PM	Time:	3:40 PM
																Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8.6		7.6		7.8		7.4		7.8
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5		37	U	2.89		15		6.2		11.6
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		11.6	U	2.89		14.7		19.4		11.0
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		66.8		12.6		408		27.6		429
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		66.8		12.6		408		27.6		429
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.378	U,MC	0.362	U,MC	0.360	U,MC	0.511	U,MC	0.353
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		199		8.8		2870		342		1690
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		961		11		1340		433		2030
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.676		0.0316		14.4		1.34		6.4
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.623	U	0.578		3.34		1.25		4.82
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---		1.20	U	0.0400	U	0.197	U	5.66	U	0.187
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.208	U	0.0400	U	0.197	U	5.66	U	0.187
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.208	U	0.0400	U	0.197	U	5.66	U	0.187
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.208	U	0.0400	U	0.197	U	5.66	U	0.187
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.208	U	0.0400	U	0.197	U	5.66	U	0.187
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.208	U	0.0400	U	0.197	U	5.66	U	0.187
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---		0.632	U	0.0400		0.821		11.6	U	0.187
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		0.84	U	--		0.82		11.6	U	---

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0193-37		18G0193-38		18G0193-39		18G0193-40		18G0229-16	
																DMC-SB 35		DMC-SB 35		DMC-SB 35		DMC-SB 35		DMC-SB 36	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/10/2018	Date:	7/11/2018
																Time:	3:45 PM	Time:	4:20 PM	Time:	4:08 PM	Time:	4:15 PM	Time:	11:10 AM
																Depth:	6.0-7.0' bgs	Depth:	8.0-9.0' bgs	Depth:	12.0-13.0' bgs	Depth:	16.0-17.0' bgs	Depth:	0.0-1.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8		8.1		7.9		8		8.1
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	3.07	U	2.75	U	2.94	U	2.66		7.81
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		16.9		3.23		4		3.25		12.6
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		30.4		12.3		19.4		7.6		362
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		30.4		12.3		19.4		7.6		362
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.378	U,MC	0.349	U,MC	0.378	U,MC	0.329	U,MC	0.335
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		148		8.62		12.8		26.1		410
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		112		15.1		12.3		7.02		350
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.13		0.0788		0.0646		0.0495		1.4
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.615	U	0.549	U	0.588	U	0.532	U	0.528
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.207	U	0.0387	U	0.0406	U	0.0364		1.04
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.207	U	0.0387	U	0.0406	U	0.0364	U	0.185
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.207	U	0.0387	U	0.0406	U	0.0364	U	0.185
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.207	U	0.0387	U	0.0406	U	0.0364	U	0.185
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.207	U	0.0387	U	0.0406	U	0.0364	U	0.185
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.207	U	0.0387	U	0.0406	U	0.0364	U	0.185
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.207	U	0.0387	U	0.0406	U	0.0364		0.566
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	---	U	---	U	---	U	---		1.61

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0229-17		18G0229-18		18G0229-13		18G0229-14		18G0229-15	
																DMC-SB 36		DMC-SB 36		DMC-SB 37		DMC-SB 37		DMC-SB 37	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018
																Time:	11:15 AM	Time:	11:20 AM	Time:	10:10 AM	Time:	10:15 AM	Time:	10:20 AM
																Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0'bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8.2		7.4		7.9		8.6		8.2
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5		11.6	U	2.86		9.4		3.07	U	2.83
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		13.6		3.38		3.97		32.8		3.83
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		112		12.6		37.3		23.2		13.6
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		112		12.6		37.3		23.2		13.6
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.351	U,MC	0.363	U,MC	0.319	U,MC	0.379	U,MC	0.355
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		1610		9.62		265		136		29.9
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		1630		8.65		233		1940		75.3
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		3.67		0.0535		0.52		0.59		0.0774
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.56	U	0.572	U	0.504	U	0.589	U	0.566
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---		3.61	U	0.0402		0.708	U	0.0420	U	0.0391
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.370	U	0.0402	U	0.176	U	0.0420	U	0.0391
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.370	U	0.0402	U	0.176	U	0.0420	U	0.0391
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.370	U	0.0402	U	0.176	U	0.0420	U	0.0391
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.370	U	0.0402	U	0.176	U	0.0420	U	0.0391
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.370	U	0.0402	U	0.176	U	0.0420	U	0.0391
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---		3.06	U	0.0402		0.206		0.346	U	0.0391
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		6.67	U	---		0.91		0.35	U	---

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0229-49		18G0229-28		18G0229-29		18G0229-30		18G0229-25		
																DMC-DUP 04 (SB37)		DMC-SB 38		DMC-SB 38		DMC-SB 38		DMC-SB 39		
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	
																Time:	10:20 AM	Time:	1:15 PM	Time:	1:20 PM	Time:	1:25 PM	Time:	12:45 PM	
																Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.5		8.2		7.2		7.4		8	
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5	Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	
	7440-36-0	Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	U	2.76		7.15	U	2.79	U	2.94		19.2	
	7440-38-2	Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	U	2.76		5.04		7.15		4.62		11.2
	7440-39-3	Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-41-7	Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-42-8	Boron	16000	---	410,000	---	41000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	
	7440-43-9	Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-70-2	Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	
	7440-47-3	Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	12.3		653		7.99		14.5		165	
	16065-83-1	Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	12.3		653		7.99		14.5		165	
	7440-47-3	Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.360	U,MC	0.326	U,MC	0.350	U,MC	0.356	U,MC	0.334
	7440-48-4	Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	
	7440-50-8	Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c	---	9.29		1860		17.9		13.8		781
	15438-31-0	Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	
	7439-92-1	Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		7.7		468		49.7		19.8		810
	7439-95-4	Magnesium	325,000	--- ^c	--- ^c	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	
	7439-96-5	Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	
	7439-97-6	Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		0.0227		0.917		0.0559		0.0705		2.61
	7440-02-0	Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-09-7	Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	
	7782-49-2	Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.552	U	0.529	U	0.557	U	0.588	U	0.534
	7440-22-4	Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
	7440-23-5	Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	
	7440-24-6	Strontium	47000	---	1000000	---	410000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	
	7440-28-0	Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	
	7440-62-2	Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	
	7440-66-6	Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	
PCBs	12674-11-2	Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		0.103	U	0.179	U	0.0383	U	0.0367	U	0.184	
	11104-28-2	Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0376	U	0.179	U	0.0383	U	0.0367	U	0.184	
	11141-16-5	Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0376	U	0.179	U	0.0383	U	0.0367	U	0.184	
	53469-21-9	Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0376	U	0.179	U	0.0383	U	0.0367	U	0.184	
	12672-29-6	Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0376	U	0.179	U	0.0383	U	0.0367	U	0.184	
	11097-69-1	Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0376		1.81	U	0.0383	U	0.0367		1.38	
	11096-82-5	Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		0.0389	U	0.179	U	0.0383	U	0.0367	U	0.184	
	1336-36-3	Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		0.14		1.81	U	---	U	---		1.38	

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0229-26		18G0229-27		18G0229-22		18G0229-23		18G0229-24	
																DMC-SB 39		DMC-SB 39		DMC-SB 40		DMC-SB 40		DMC-SB 40	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018
																Time:	12:50 PM	Time:	12:55 PM	Time:	12:10 PM	Time:	12:15 PM	Time:	12:20 PM
																Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.7		7.8		8.2		7.7		7.5
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.47		6.14		2.9		3.53	U	2.84
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	U	2.47		6.28	U	2.53		37		4.53
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		5.35		62		27.2		37.1		15.5
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		5.35		62		27.2		37.1		15.5
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.324	U,MC	0.330	U,MC	0.314	U,MC	0.333	U,MC	0.363
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		6.86		261		181		1490		35.5
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		30.2		293		150		335		33.2
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.522		0.573		0.256		0.399		0.279
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.494	U	0.508	U	0.506	U	0.509	U	0.569
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0357	U	0.172		0.273	U	0.0364	U	0.0399
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0357	U	0.172	U	0.171	U	0.0364	U	0.0399
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0357	U	0.172	U	0.171	U	0.0364	U	0.0399
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0357	U	0.172	U	0.171	U	0.0364	U	0.0399
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0357	U	0.172	U	0.171	U	0.0364	U	0.0399
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0357	U	0.172	U	0.171	U	0.0364	U	0.0399
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0357		0.412	U	0.171	U	0.0364	U	0.0399
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	---		0.412		0.27	U	---	U	---

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0229-19		18G0229-20		18G0229-21		18G0259-04		18G0259-05	
																DMC-SB 41		DMC-SB 41		DMC-SB 41		DMC-SB 42		DMC-SB 42	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/11/2018	Date:	7/11/2018	Date:	7/11/2018	Date:	7/12/2018	Date:	7/12/2018
																Time:	11:40 AM	Time:	11:45 AM	Time:	11:50 AM	Time:	9:20 AM	Time:	9:25 AM
																Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.7		8.4		8.2		7.5		8.3
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5		7.12	U	2.58	U	2.52		2970	U	2.45
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		12	U	2.58	U	2.52		194	U	2.45
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		66.2		5.35		11.7		128		2.88
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		66.2		5.35		11.7		128		2.88
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.321	U,MC	0.312	U,MC	0.312	U,MC	0.336	U,MC	0.313
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		2830		5.76		9.36		2030		3.94
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		667		4.85		14.4		81800		7.55
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		1.32		0.0315		0.0386		2.280	U	0.0196
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.511	U	0.516	U	0.505	U	0.527	U	0.489
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---		0.46	U	0.0333	U	0.0342	U	0.367	U	0.0337
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.178	U	0.0333	U	0.0342	U	0.367	U	0.0337
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.178	U	0.0333	U	0.0342	U	0.367	U	0.0337
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.178	U	0.0333	U	0.0342	U	0.367	U	0.0337
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.178	U	0.0333	U	0.0342	U	0.367	U	0.0337
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.178	U	0.0333	U	0.0342		5.72	U	0.0337
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---		0.43	U	0.0333		0.0563	U	0.367	U	0.0337
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		0.89	U	---		0.06		5.72	U	---

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0259-06		18G0259-07		18G0259-08		18G0259-09		18G0259-44	
																DMC-SB 42		DMC-SB 43		DMC-SB 43		DMC-SB 43		DMC-DUP 06 (SB43)	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018
																Time:	9:30 AM	Time:	9:50 AM	Time:	9:55 AM	Time:	10:00 AM	Time:	10:00 AM
																Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	4.0-5.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.9		7.6		7.9		7.9		7.9
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5		5.03		10	U	2.38	U	2.58	U	3.02
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		4.34		46.6	U	2.38	U	2.58		3.02
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		62		123		3.7		7.94		12.5
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		62		123		3.7		7.94		12.5
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.319	U,MC	0.387	U,MC	0.314	U,MC	0.311	U,MC	0.371
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		648		1070		6.91		13.2		12.3
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		286		1320		18.3		22.2		8.16
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.765		1.39		0.0258		0.027	U	0.0241
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.502		1.14	U	0.476	U	0.516	U	0.603
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.346	U	0.211	U	0.0345	U	0.0343	U	0.04
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.346	U	0.211	U	0.0345	U	0.0343	U	0.04
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.346	U	0.211	U	0.0345	U	0.0343	U	0.04
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.346	U	0.211	U	0.0345	U	0.0343	U	0.04
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.346	U	0.211	U	0.0345	U	0.0343	U	0.04
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---		5.9		49.2	U	0.0345	U	0.0343	U	0.04
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.346	U	0.211	U	0.0345		0.176	U	0.04
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		5.9		49.2	U	---		0.176	U	---

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0259-10		18G0259-11		18G0259-12		18G0259-13		18G0259-14	
																DMC-SB 44		DMC-SB 44		DMC-SB 44		DMC-SB 45		DMC-SB 45	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018
																Time:	11:15 AM	Time:	11:20 AM	Time:	11:25 AM	Time:	12:32 PM	Time:	12:35 PM
																Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.4		7.1		7.1		7.6		6.4
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5		4.68	U	2.96	U	3.03	U	2.56	U	2.73
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		12.9		7.07		3.9		2.89		3.92
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		69.9		9.77		14.5		10.2		11
	16065-83-1 Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		69.9		9.77		14.5		10.2		11
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.337	U,MC	0.370	U,MC	0.371	U,MC	0.324	U,MC	0.353
	7440-48-4 Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		837		17.9		8.04		28.8		11.8
	15438-31-0 Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		356		41.4		8.82		167		53.5
	7439-95-4 Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		1.41		0.0802	U	0.0242		1.13		0.269
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.529	U	0.591	U	0.606	U	0.513	U	0.546
	7440-22-4 Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		0.517	U	0.0406		0.719	U	0.345	U	0.195
	11104-28-2 Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.366	U	0.0406	U	0.0408	U	0.345	U	0.195
	11141-16-5 Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.366	U	0.0406	U	0.0408	U	0.345	U	0.195
	53469-21-9 Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.366	U	0.0406	U	0.0408	U	0.345	U	0.195
	12672-29-6 Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.366	U	0.0406	U	0.0408	U	0.345	U	0.195
	11097-69-1 Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		2.2		11.5		1.03	U	0.345		23.2
	11096-82-5 Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.366	U	0.0406	U	0.0408		0.428	U	0.195
	1336-36-3 Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		2.717		11.5		1.749		0.428		23.2

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0259-15		18G0259-16		18G0259-17		18G0259-18		18G0259-19	
																DMC-SB 45		DMC-SB 45		DMC-SB 45		DMC-SB 45		DMC-SB 45	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018
																Time:	12:05 PM	Time:	12:10 PM	Time:	12:15 PM	Time:	12:20 PM	Time:	12:25 PM
																Depth:	4.0-5.0' bgs	Depth:	6.0-7.0' bgs	Depth:	8.0-9.0' bgs	Depth:	10.0-11.0' bgs	Depth:	12.0-13.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									6.6		6.9		6.9		7.8		8
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.99	U	2.90	U	3.01	U	2.9	U	3.1
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		3.21		4.82		4.24		2.93		4.28
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		12.5		16.9		13.9		10.2		13.8
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		12.5		16.9		13.9		10.2		13.8
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.372	U,MC	0.380	U,MC	0.374	U,MC	0.366	U,MC	0.384
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		7.24		9.64		95.7		4.23		7.56
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		6.65		9.73		56.1		6.12		7.73
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---	U	0.0239	U	0.0232		0.12	U	0.0232	U	0.0248
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.598	U	0.581	U	0.601	U	0.581	U	0.620
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0389	U	0.041	U	0.0404	U	0.0386	U	0.042
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0389	U	0.041	U	0.0404	U	0.0386	U	0.042
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0389	U	0.041	U	0.0404	U	0.0386	U	0.042
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0389	U	0.041	U	0.0404	U	0.0386	U	0.042
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0389	U	0.041	U	0.0404	U	0.0386	U	0.042
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0389	U	0.041		2.76	U	0.0386	U	0.042
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0389	U	0.041	U	0.0404	U	0.0386	U	0.042
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	---	U	---		2.76	U	---	U	---

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0259-20		18G0259-21		18G0259-22		18G0259-33		18G0259-34	
																DMC-SB 45		DMC-SB 45		DMC-SB 45		DMC-SB 46		DMC-SB 46	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018
																Time:	12:30 PM	Time:	12:35 PM	Time:	12:40 PM	Time:	3:10 PM	Time:	3:15 PM
																Depth:	14.0-15.0' bgs	Depth:	16.0-17.0' bgs	Depth:	18.0-19.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8		7.7		8		10**		8.3
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.88	U	2.91	U	2.75		29.5	U	2.69
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		4.12		3.45		3.99		16.8		6.58
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		13.5		12.2		10.7		265		17.2
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		13.5		12.2		10.7		265		17.2
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.378	U,MC	0.378	U,MC	0.337	U,MC	0.330	U,MC	0.336
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		7.33		6.15		8.18		1760		103
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		7.34		7.11		6.25		3230		5530
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---	U	0.0231	U	0.0233		0.0224		2.1		0.0308
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.577	U	0.583	U	0.550		1.41	U	0.537
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0417	U	0.0403	U	0.0357		14.9	U	0.0355
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0417	U	0.0403	U	0.0357	U	0.178	U	0.0355
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0417	U	0.0403	U	0.0357	U	0.178	U	0.0355
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0417	U	0.0403	U	0.0357	U	0.178	U	0.0355
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0417	U	0.0403	U	0.0357	U	0.178	U	0.0355
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---		8.11	U	0.0403		16.6		33.6	U	0.0355
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0417	U	0.0403	U	0.0357	U	0.178	U	0.0355
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		8.11	U	---		16.6		48.5	U	---

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0259-35		18G0259-45		18G0259-23		18G0259-24		18G0259-25	
																DMC-SB 46		DMC-DUP 07 (SB46)		DMC-SB 47		DMC-SB 47		DMC-SB 47	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018
																Time:	3:20 PM	Time:	3:20 PM	Time:	1:25 PM	Time:	1:30 PM	Time:	1:35 PM
																Depth:	4.0-5.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8		8.4		8.6		9.3**		7.3
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5	U	2.88	U	2.6		30.4	U	2.44	U	2.93
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	U	2.88	U	2.6		4.21	U	2.44		5.61
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		11		5.56		12.2		4.6		15.3
	16065-83-1 Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		11		5.56		12.2		4.6		15.3
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.368	U,MC	0.315	U,MC	0.329	U,MC	0.309	U,MC	0.364
	7440-48-4 Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		12.5		7.34		2050		4.22		7.83
	15438-31-0 Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		9.53		10.5		626		11.3		11.8
	7439-95-4 Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c	U	0.0231	U	0.0208		0.35		0.0235		0.0237
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.576	U	0.52	U	0.526	U	0.488	U	0.585
	7440-22-4 Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0385	U	0.0347	U	0.0362	U	0.0336	U	0.04
	11104-28-2 Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0385	U	0.0347	U	0.0362	U	0.0336	U	0.04
	11141-16-5 Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0385	U	0.0347	U	0.0362	U	0.0336	U	0.04
	53469-21-9 Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0385	U	0.0347	U	0.0362	U	0.0336	U	0.04
	12672-29-6 Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0385	U	0.0347	U	0.0362	U	0.0336	U	0.04
	11097-69-1 Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0385	U	0.0347		15.2	U	0.0336	U	0.04
	11096-82-5 Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0385	U	0.0347	U	0.0362	U	0.0336		0.102
	1336-36-3 Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	---	U	---		15.2	U	---		0.102

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0259-26		18G0259-27		18G0259-28		18G0259-29		18G0259-30	
																DMC-SB 47		DMC-SB 47		DMC-SB 47		DMC-SB 47		DMC-SB 47	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018
																Time:	1:40 PM	Time:	1:45 PM	Time:	1:50 PM	Time:	1:55 PM	Time:	2:00 PM
																Depth:	6.0-7.0' bgs	Depth:	8.0-9.0' bgs	Depth:	10.0-11.0' bgs	Depth:	12.0-13.0' bgs	Depth:	14.0-15.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.2		7.4		7.6		7.6		7.7
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.93	U	2.94	U	3.03	U	3.2	U	3.17
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		3.53		5.2		4.04		4.89	U	3.17
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		14.7		17.4		16.5		17		14.1
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		14.7		17.4		16.5		17		14.1
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.371	U,MC	0.381	U,MC	0.384	U,MC	0.388	U,MC	0.384
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		8.79		10.3		8.78		10.6		12.7
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		8.18		11		10.5		12.5		15.4
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---	U	0.0234	U	0.0236		0.0315	U	0.0256		0.0278
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.586	U	0.589	U	0.606	U	0.64	U	0.634
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.04	U	0.0414	U	0.0418	U	0.0421	U	0.04
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.04	U	0.0414	U	0.0418	U	0.0421	U	0.04
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.04	U	0.0414	U	0.0418	U	0.0421	U	0.04
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.04	U	0.0414	U	0.0418	U	0.0421	U	0.04
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.04	U	0.0414	U	0.0418	U	0.0421	U	0.04
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.04	U	0.0414	U	0.0418	U	0.0421	U	0.04
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.04	U	0.0414		0.119	U	0.0421		0.066
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	---	U	---		0.119	U	---		0.066

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0259-31		18G0259-32		18G0259-36		18G0259-37		18G0259-38	
																DMC-SB 47		DMC-SB 47		DMC-SB 48		DMC-SB 48		DMC-SB 48	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018
																Time:	2:05 PM	Time:	2:10 PM	Time:	3:50 PM	Time:	3:55 PM	Time:	4:00 PM
																Depth:	16.0-17.0' bgs	Depth:	18.0-19.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.7		7.8		9.9**		7.2		7
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.56	U	2.93	U	2.48	U	3.63	U	3.18
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		3.5	U	2.93	U	2.48		19.4		4.22
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		8.51		3.22		3.42		24.2		16.9
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		8.51		3.22		3.42		24.2		16.9
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.330	U,MC	0.368	U,MC	0.303	U,MC	0.450	U,MC	0.385
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		3.39		2.19		4.52		56.6		11.1
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		7.41		1.12		1.92		115		10.5
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---	U	0.0205	U	0.0234	U	0.0199		0.178	U	0.0255
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.513	U	0.586	U	0.497		0.984	U	0.637
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0362	U	0.0391		0.36	U	0.497	U	0.0414
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0362	U	0.0391	U	0.0319	U	0.497	U	0.0414
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0362	U	0.0391	U	0.0319	U	0.497	U	0.0414
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0362	U	0.0391	U	0.0319	U	0.497	U	0.0414
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0362	U	0.0391	U	0.0319	U	0.497	U	0.0414
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---		0.14	U	0.0391		1.27	U	0.497	U	0.0414
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0362	U	0.0391	U	0.0319		11.7		0.0422
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		0.140	U	0.000		1.63		11.7		0.0422

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0259-39		18G0259-40		18G0259-41		18G0259-42		18G0259-43	
																DMC-SB 48		DMC-SB 48		DMC-SB 48		DMC-SB 48		DMC-SB 48	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018	Date:	7/12/2018
																Time:	4:20 PM	Time:	4:25 PM	Time:	4:30 PM	Time:	4:45 PM	Time:	4:50 PM
																Depth:	8.0-9.0' bgs	Depth:	12.0-13.0' bgs	Depth:	14.0-15.0' bgs	Depth:	16.0-17.0' bgs	Depth:	18.0-19.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.4		7.8		8.2		7.8		7.8
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	3.13	U	3.06	U	2.82	U	2.67	U	2.93
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		4.95	U	3.06	U	2.82	U	2.67	U	2.93
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		17.8		13.5		7.68		6.53		3.43
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		17.8		13.5		7.68		6.53		3.43
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.386	U,MC	0.378	U,MC	0.367	U,MC	0.330	U,MC	0.353
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		11.4		8.77		3.21		3.06		2.51
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		10.9		8.25		4.11		1.56		1.41
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---	U	0.025	U	0.0245	U	0.0225	U	0.0214	U	0.0234
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.626	U	0.613	U	0.564	U	0.534	U	0.586
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---		0.273	U	0.411	U	0.0389	U	0.0347		0.17
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0403	U	0.0411	U	0.0389	U	0.0347	U	0.039
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0403	U	0.0411	U	0.0389	U	0.0347	U	0.039
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0403	U	0.0411	U	0.0389	U	0.0347	U	0.039
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0403	U	0.0411	U	0.0389	U	0.0347	U	0.039
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---		4.9		4.15		4.32		11.4		0.36
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0403	U	0.411	U	0.0389	U	0.0347	U	0.039
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		5.173		4.15		4.32		11.4		0.530

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0272-01		18G0272-02		18G0272-14		18G0272-03		18G0272-04	
																DMC-SB 49		DMC-SB 49		DMC-DUP 08 (SB 49)		DMC-SB 49		DMC-SB 50	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/13/2018	Date:	7/13/2018	Date:	7/13/2018	Date:	7/13/2018	Date:	7/13/2018
																Time:	8:50 AM	Time:	8:55 AM	Time:	8:55 AM	Time:	9:00 AM	Time:	9:20 AM
																Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									12**		8.1		8.0		7.8		12**
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5	U	2.41	U	2.65	U	2.42	U	2.97	U	2.75
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		5.60	U	2.65		4.28		4.60		5.84
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		6.01		4.41		3.87		11.9		18.3
	16065-83-1 Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		6.01		4.41		3.87		11.9		18.3
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.317	U,MC	0.319	U,MC	0.317	U,MC	0.357	U,MC	0.350
	7440-48-4 Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		333		393		39.5		55.2		13.0
	15438-31-0 Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		120		102		24.0		218		21.8
	7439-95-4 Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.482	U	0.530		0.622	U	0.593	U	0.550
	7440-22-4 Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346	U	0.174	U	0.167	U	0.385	U	0.0381
	11104-28-2 Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346	U	0.174	U	0.167	U	0.385	U	0.0381
	11141-16-5 Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346	U	0.174	U	0.167	U	0.385	U	0.0381
	53469-21-9 Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346	U	0.174	U	0.167	U	0.385	U	0.0381
	12672-29-6 Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346	U	0.174	U	0.167	U	0.385	U	0.0381
	11097-69-1 Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346		1.52		1.38		7.01	U	0.0381
	11096-82-5 Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346	U	0.174	U	0.167	U	0.385	U	0.0381
	1336-36-3 Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	---		1.52		1.38		7.01	U	---

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0272-05		18G0272-06		18G0272-07		18G0272-15		18G0272-08	
																DMC-SB 50		DMC-SB 50		DMC-SB 50		DMC-DUP 09 (SB 50)		DMC-SB 50	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/13/2018	Date:	7/13/2018	Date:	7/13/2018	Date:	7/13/2018	Date:	7/13/2018
																Time:	9:25 AM	Time:	9:30 AM	Time:	9:35 AM	Time:	9:35 AM	Time:	9:45 AM
																Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	6.0-7.0' bgs	Depth:	6.0-7.0' bgs	Depth:	8.0-9.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									9.1**		8.0		6.8		6.7		8.2
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5		60.2	U	2.56	U	3.04	U	2.78	U	2.80
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		19.2		4.40		3.62		3.44	U	2.80
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		400		8.56		15.4		14.9		7.21
	16065-83-1 Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		400		8.56		15.4		14.9		7.21
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.334	U,MC	0.333	U,MC	0.369	U,MC	0.366	U,MC	0.336
	7440-48-4 Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		1690		14.1		9.34		8.00		4.43
	15438-31-0 Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		6570		110		8.26		9.34		3.79
	7439-95-4 Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.549	U	0.512	U	0.608	U	0.556	U	0.559
	7440-22-4 Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	3.07	U	0.0367	U	0.0406	U	0.202	U	1.86
	11104-28-2 Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	3.07	U	0.0367	U	0.0406	U	0.202	U	1.86
	11141-16-5 Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	3.07	U	0.0367	U	0.0406	U	0.202	U	1.86
	53469-21-9 Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	3.07	U	0.0367	U	0.0406	U	0.202	U	1.86
	12672-29-6 Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	3.07	U	0.0367	U	0.0406	U	0.202	U	1.86
	11097-69-1 Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	3.07	U	0.0367		0.343		0.407		5.58
	11096-82-5 Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	3.07	U	0.0367	U	0.0406	U	0.202	U	1.86
	1336-36-3 Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	---	U	---		0.343		0.407		5.58

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18G0272-09		18G0272-10		18G0272-11		18G0272-12		18G0272-13	
																DMC-SB 50		DMC-SB 50		DMC-SB 50		DMC-SB 50		DMC-SB 50	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	7/13/2018	Date:	7/13/2018	Date:	7/13/2018	Date:	7/13/2018	Date:	7/13/2018
																Time:	9:50 AM	Time:	9:55 AM	Time:	10:00 AM	Time:	10:05 AM	Time:	10:10 AM
																Depth:	10.0-11.0' bgs	Depth:	12.0-13.0' bgs	Depth:	14.0-15.0' bgs	Depth:	16.0-17.0' bgs	Depth:	18.0-19.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.4		8.0		7.6		7.8		7.7
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	3.00	U	3.03	U	3.06	U	2.95	U	2.89
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		3.27		3.41		3.92	U	2.95	U	2.89
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		11.1		12.6		15.7		12.6		5.59
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		11.1		12.6		15.7		12.6		5.59
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.362	U,MC	0.369	U,MC	0.394	U,MC	0.364	U,MC	0.349
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		6.34		8.03		8.51		5.79		3.88
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		6.53		8.78		8.70		8.40		3.71
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---	---	---	---	---	---	---	---	---	---	---
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.599	U	0.606	U	0.612	U	0.590	U	0.578
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0375	U	0.0393	U	0.0435	U	0.0368	U	0.0381
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0375	U	0.0393	U	0.0435	U	0.0368	U	0.0381
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0375	U	0.0393	U	0.0435	U	0.0368	U	0.0381
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0375	U	0.0393	U	0.0435	U	0.0368	U	0.0381
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0375	U	0.0393	U	0.0435	U	0.0368	U	0.0381
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---		0.543		2.49		1.14		0.904		1.01
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0375	U	0.0393	U	0.0435	U	0.0368	U	0.0381
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		0.543		2.49		1.14		0.904		1.01

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18H0102-01		18H0102-02		18H0102-03		18H0102-04		18H0102-05	
																DMC-SB 51		DMC-SB 51		DMC-SB 51		DMC-SB 52		DMC-SB 52	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018
																Time:	11:45 AM	Time:	11:55 AM	Time:	11:50 AM	Time:	12:20 PM	Time:	12:30 PM
																Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									11**		10**		7.5		7.6		7.5
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5	U	2.41	U	2.45	U	2.86	U	2.55		3.91
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		4.18		4.57		5.06		6.64		20.7
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		6.77		5.64		12.2		17.3		14.8
	16065-83-1 Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		6.77		5.64		12.2		17.3		14.8
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.315	U,MC	0.318	U,MC	0.359	U,MC	0.323	U,MC	0.363
	7440-48-4 Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		23.9		18.0		14.1		15.2		295
	15438-31-0 Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		17.9		12.3		32.7		15.5		207
	7439-95-4 Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		0.0498		0.0303		0.0861		0.0316		0.786
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.481	U	0.489	U	0.571	U	0.510		0.838
	7440-22-4 Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346	U	0.0352	U	0.398	U	0.0357	U	0.404
	11104-28-2 Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346	U	0.0352	U	0.398	U	0.0357	U	0.404
	11141-16-5 Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346	U	0.0352	U	0.398	U	0.0357	U	0.404
	53469-21-9 Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346	U	0.0352	U	0.398	U	0.0357	U	0.404
	12672-29-6 Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346	U	0.0352	U	0.398	U	0.0357	U	0.404
	11097-69-1 Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		0.112		0.053	U	0.398	U	0.0357		3.17
	11096-82-5 Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0346	U	0.0352	U	0.398	U	0.0357	U	0.404
	1336-36-3 Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		0.112		0.053	U	---	U	---		3.17

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18H0102-40		18H0102-06		18H0102-07		18H0102-08		18H0102-09	
																DMC-DUP10 (SB52)		DMC-SB 52		DMC-SB 53		DMC-SB 53		DMC-SB 53	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018
																Time:	12:30 PM	Time:	12:25 PM	Time:	12:50 PM	Time:	12:55 PM	Time:	1:20 PM
																Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.9		7.8		7.7		7.4		6.8
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5		7.36	U	2.79		6.25		6.81		6.37
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		13.2		3.62		48.0		47.9		21.6
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		31.6		8.25		14.5		13		35.9
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		31.6		8.25		14.5		13		35.9
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.329	U,MC	0.348	U,MC	0.327	U,MC	0.357	U,MC	0.389
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		384		20.8		55.8		37.2		207
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		347		12.2		151		147		151
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.879		0.0263		0.112		0.123		0.143
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3		0.663	U	0.558	U	0.543		1.45		0.610
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.180	U	0.191	U	0.0361	U	0.0395	U	0.430
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.180	U	0.191	U	0.0361	U	0.0395	U	0.430
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.180	U	0.191	U	0.0361	U	0.0395	U	0.430
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.180	U	0.191	U	0.0361	U	0.0395	U	0.430
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.180	U	0.191	U	0.0361	U	0.0395	U	0.430
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---		2.65		0.582		1.32		4.62	U	0.430
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.180	U	0.191	U	0.0361	U	0.0395	U	0.430
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		2.65		0.582		1.32		4.62	U	---

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold and shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18H0102-10		18H0102-41		18H0102-11		18H0102-12		18H0102-13	
																DMC-SB 53		DMC-DUP11 (SB53)		DMC-SB 53		DMC-SB 53		DMC-SB 53	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018
																Time:	1:25 PM	Time:	1:25 PM	Time:	1:00 PM	Time:	1:30 PM	Time:	1:05 PM
																Depth:	6.0-7.0' bgs	Depth:	6.0-7.0' bgs	Depth:	8.0-9.0' bgs	Depth:	10.0-11.0' bgs	Depth:	12.0-13.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.2		7.4		8.1		7.1		8.0
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	--- ^c	820	--- ^c	82	--- ^c	5	5	5	5	5	5	5	5	U	2.56	U	2.89	U	2.59		222	U	2.70
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		6.65		12.1		3.36		15.8		4.02
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		17.7		53.9		5.15		63.4		11.3
	16065-83-1 Chromium(III) ^{calc}	120,000	--- ^c	1,000,000	--- ^c	310,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		17.7		53.9		5.15		63.4		11.3
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.336	U,MC	0.364	U,MC	0.323	U,MC	0.352	U,MC	0.344
	7440-48-4 Cobalt	4,700	--- ^c	120,000	--- ^c	12,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	--- ^c	82,000	--- ^c	8,200	--- ^c	11,000	59,000	130,000	200,000	330,000	330,000	--- ^c	--- ^c		133		167		8.22		838		7.54
	15438-31-0 Iron	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	--- ^c	800	--- ^c	700	--- ^c	23	107	107	107	107	107	107	282		61.2		40.4		8.63		14800		29.0
	7439-95-4 Magnesium	325,000	--- ^c	---	--- ^c	730,000	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	--- ^c	--- ^c		0.134		0.109	U	0.0207		8.53		0.0435
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	--- ^c	10,000	--- ^c	1,000	--- ^c	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.512	U	0.579	U	0.518		3.58	U	0.539
	7440-22-4 Silver	390	--- ^c	10,000	--- ^c	1,000	--- ^c	1.5	4.4	8.5	13	39	110	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	--- ^c	160	--- ^c	160	--- ^c	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	--- ^c	14,000	--- ^c	1,400	--- ^c	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	--- ^c	610,000	--- ^c	61,000	--- ^c	3,600	5,100	6,200	7,500	16,000	53,000	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		1.14		0.583	U	0.0357	U	1.92	U	0.0381
	11104-28-2 Aroclor 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0374	U	0.0391	U	0.0357	U	1.92	U	0.0381
	11141-16-5 Aroclor 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0374	U	0.0391	U	0.0357	U	1.92	U	0.0381
	53469-21-9 Aroclor 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0374	U	0.0391	U	0.0357	U	1.92	U	0.0381
	12672-29-6 Aroclor 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0374	U	0.0391	U	0.0357	U	1.92	U	0.0381
	11097-69-1 Aroclor 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0374	U	0.0391	U	0.0357		75.1		0.736
	11096-82-5 Aroclor 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		0.362		0.341	U	0.0357	U	1.92	U	0.0381
	1336-36-3 Total PCBs	1	--- ^c	1	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		1.502		0.924	U	---		75.1		0.736

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18H0102-14		18H0102-15		18H0102-16		18H0102-17		18H0102-18	
																DMC-SB 53		DMC-SB 53		DMC-SB 53		DMC-SB 54		DMC-SB 54	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018
																Time:	1:40 PM	Time:	1:10 PM	Time:	1:15 PM	Time:	9:35 AM	Time:	9:45 AM
																Depth:	14.0-15.0' bgs	Depth:	16.0-17.0' bgs	Depth:	18.0-19.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.9		7.9		8.2		8.1		7.6
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.52	U	2.76	U	2.92	U	2.61		4.73
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	U	2.52	U	2.76	U	2.92		4.84		8.83
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		5.29		3.53		4.03		12		21.5
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		5.29		3.53		4.03		12		21.5
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.328	U,MC	0.357	U,MC	0.356	U,MC	0.342	U,MC	0.387
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		7.72		3.33		2.83		28.4		41.3
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		9.25		1.64		1.43		108		316
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.0292	U	0.0220	U	0.0234		0.426		0.757
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.504	U	0.551	U	0.585	U	0.522	U	0.634
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0353	U	0.0390	U	0.0388	U	0.0378	U	0.417
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0353	U	0.0390	U	0.0388	U	0.0378	U	0.417
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0353	U	0.0390	U	0.0388	U	0.0378	U	0.417
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0353	U	0.0390	U	0.0388	U	0.0378	U	0.417
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0353	U	0.0390	U	0.0388	U	0.0378	U	0.417
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---		0.712		0.17	U	0.0388	U	0.0378	U	0.417
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0353	U	0.0390	U	0.0388	U	0.0378	U	0.417
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		0.712		0.170	U	---	U	---	U	---

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18H0102-19		18H0102-20		18H0102-21		18H0102-22		18H0102-23	
																DMC-SB 54		DMC-SB 55		DMC-SB 55		DMC-SB 55		DMC-SB 55	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018
																Time:	9:40 AM	Time:	9:55 AM	Time:	10:35 AM	Time:	10:20 AM	Time:	10:25 AM
																Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	6.0-7.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.6		8.0		7.7		7.6		7.7
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	3.13		3.91	U	3.16	U	2.98	U	2.85
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		5.70		6.81		5.19		5.33		6.29
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		20.3		10.6		20.6		20		21.5
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		20.3		10.6		20.208		20		21.5
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.380	U,MC	0.331	MC	0.392	U,MC	0.371	U,MC	0.369
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		12.5		36.7		12.5		11.5		12.2
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		10.9		180		10.1		10.9		11.7
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.0284		17.5		0.0282		0.0317		0.0360
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.625	U	0.521	U	0.632	U	0.597	U	0.569
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.423	U	0.183	U	0.0416	U	0.0401	U	0.0397
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.423	U	0.183	U	0.0416	U	0.0401	U	0.0397
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.423	U	0.183	U	0.0416	U	0.0401	U	0.0397
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.423	U	0.183	U	0.0416	U	0.0401	U	0.0397
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.423	U	0.183	U	0.0416	U	0.0401	U	0.0397
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.423		0.542	U	0.0416	U	0.0401	U	0.0397
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.423	U	0.183	U	0.0416	U	0.0401	U	0.0397
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	---		0.542	U	---	U	---	U	---

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18H0102-24		18H0102-25		18H0102-26		18H0102-27		18H0102-28	
																DMC-SB 55		DMC-SB 55		DMC-SB 55		DMC-SB 55		DMC-SB 55	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018
																Time:	10:30 AM	Time:	10:37 AM	Time:	10:40 AM	Time:	10:45 AM	Time:	10:50 AM
																Depth:	8.0-9.0' bgs	Depth:	10.0-11.0' bgs	Depth:	12.0-13.0' bgs	Depth:	14.0-15.0' bgs	Depth:	16.0-17.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									7.9		8.1		8.3		7.8		8.1
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.98	U	2.98	U	2.49	U	2.81	U	2.61
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		5.05		4.14		2.64		3.62	U	2.61
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		16.6		17		6.16		6.15		4.49
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		16.6		17		6.16		6.15		4.49
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.374	U,MC	0.381	U,MC	0.319	U,MC	0.356	U,MC	0.327
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		11.0		9.36		2.92		6.32		4.55
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		9.64		9.14		2.04		2.82		1.60
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		0.0320		0.0302	U	0.0199	U	0.0225	U	0.0209
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.597	U	0.596	U	0.497	U	0.562	U	0.522
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBS	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0384	U	0.0414	U	0.0343	U	0.0374	U	0.0353
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0384	U	0.0414	U	0.0343	U	0.0374	U	0.0353
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0384	U	0.0414	U	0.0343	U	0.0374	U	0.0353
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0384	U	0.0414	U	0.0343	U	0.0374	U	0.0353
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0384	U	0.0414	U	0.0343	U	0.0374	U	0.0353
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0384	U	0.0414	U	0.0343	U	0.0374	U	0.0353
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0384	U	0.0414	U	0.0343	U	0.0374	U	0.0353
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	---	U	---	U	---	U	---	U	---

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18H0102-29		18H0102-30		18H0102-31		18H0102-32	
																DMC-SB 55		DMC-SB 56		DMC-SB 56		DMC-SB 56	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018
		Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Time:	10:55 AM	Time:	9:15 AM	Time:	9:20 AM	Time:	9:25 AM
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Depth:	18.0-19.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs
Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8.1		7.8		7.9		8.0
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5	U	2.72		201		8.17	U	3.01
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33	U	2.72		33.0		17.2		5.63
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		5.28		179		20.1		20.5
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		5.28		179		20.1		20.5
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.339	U,MC	0.353	U,MC	0.369	U,MC	0.383
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		3.52		1050		96.5		15.2
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		1.57		3430		856		11.4
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---	U	0.0217		19.1		1.52		0.0603
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.544	U	0.556	U	0.594	U	0.601
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0368	U	1.91	U	0.0393	U	0.0422
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0368	U	1.91	U	0.0393	U	0.0422
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0368	U	1.91	U	0.0393	U	0.0422
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0368	U	1.91	U	0.0393	U	0.0422
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0368	U	1.91	U	0.0393	U	0.0422
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0368		14.2	U	0.0393	U	0.0422
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0368	U	1.91	U	0.0393	U	0.0422
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---	U	---		14.2	U	---	U	---

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results
* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern
** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3C
Soil Analytical Results - Metals and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Soils (mg/kg)														18H0102-33		18H0102-34		18H0102-35		18H0102-36		18H0102-37	
																DMC-SB 57		DMC-SB 57		DMC-SB 57		DMC-SB 58		DMC-SB 58	
		Residential		Industrial-Commercial		Construction Worker		pH-Specific Soil Component to the Groundwater Ingestion Exposure Route - Class I Groundwater								Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018	Date:	8/2/2018
																Time:	2:25 PM	Time:	2:30 PM	Time:	2:35 PM	Time:	2:40 PM	Time:	2:45 PM
																Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs	Depth:	4.0-5.0' bgs	Depth:	0.0-1.0' bgs	Depth:	2.0-3.0' bgs
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	5.75 - 6.24	6.25 - 6.64	6.65 - 6.89	6.9 - 7.24	7.25 - 7.74	7.75 - 8.24	8.25 - 8.74	8.75 - 9.0	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
---	pH	2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]						2.0 pH 12.5 [per 35 IAC Section 742.305 (d)]									8.2		8.1		8.2		7.5		7.4
TARGET COMPOUND LIST - METAL PARAMETERS	7429-90-5 Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-36-0 Antimony	31	---	820	---	82	---	5	5	5	5	5	5	5	5		14.5		742	U	2.79		54.9		3.85
	7440-38-2 Arsenic	11.3	750	11.3	1,200	61	25,000	28	29	29	29	30	31	32	33		11.2		25.1		4.26		17.2		9.97
	7440-39-3 Barium	5,500	690,000	140,000	910,000	14,000	870,000	1,200	1,500	1,600	1,700	1,800	2,100	---	---	---	---	---	---	---	---	---	---	---	---
	7440-41-7 Beryllium	160	1,300	4,100	2,100	410	44,000	6.6	22	63	140	1,000	8,000	---	---	---	---	---	---	---	---	---	---	---	---
	7440-42-8 Boron	16000	---	410,000	---	41000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-43-9 Cadmium	78	1,800	2,000	2,800	200	59,000	3.7	5.2	7.5	11	59	430	---	---	---	---	---	---	---	---	---	---	---	---
	7440-70-2 Calcium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-47-3 Chromium (total)	230	270	6,100	420	4,100	690	---	---	---	---	---	---	---	---		63.5		60		10.9		87.9		31.8
	16065-83-1 Chromium(III) ^{calc}	120,000	---	1,000,000	---	310,000	---	---	---	---	---	---	---	---	---		63.5		60		10.9		87.9		31.8
	7440-47-3 Chromium(VI)	230	270	6,100	420	4,100	690	46	40	38	36	32	28	24	21	U,MC	0.322	U,MC	0.340	U,MC	0.335	U,MC	0.320	U,MC	0.329
	7440-48-4 Cobalt	4,700	---	120,000	---	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-50-8 Copper	2,900	---	82,000	---	8,200	---	11,000	59,000	130,000	200,000	330,000	330,000	---	---		553		284		9.77		568		138
	15438-31-0 Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-92-1 Lead	400	---	800	---	700	---	23	107	107	107	107	107	107	282		1340		6000		25.7		1770		290
	7439-95-4 Magnesium	325,000	---	---	---	730,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-96-5 Manganese	1,600	69,000	41,000	91,000	4,100	8,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7439-97-6 Mercury*	23	10	610	16	61	0.1*	0.15	0.89	2.1	3.3	6.4	8	---	---		6.16		3.23		0.266		3.29		10.2
	7440-02-0 Nickel	1,600	13,000	41,000	91,000	4,100	8,700	76	100	130	180	700	3,800	---	---	---	---	---	---	---	---	---	---	---	---
	7440-09-7 Potassium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7782-49-2 Selenium	390	---	10,000	---	1,000	---	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3	U	0.527	U	0.529	U	0.557		1.38	U	0.536
	7440-22-4 Silver	390	---	10,000	---	1,000	---	1.5	4.4	8.5	13	39	110	---	---	---	---	---	---	---	---	---	---	---	---
	7440-23-5 Sodium	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-24-6 Strontium	47000	---	1000000	---	410000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7440-28-0 Thallium	6.3	---	160	---	160	---	2.4	2.6	2.8	3	3.4	3.8	4.4	4.9	---	---	---	---	---	---	---	---	---	---
	7440-62-2 Vanadium	550	---	14,000	---	1,400	---	980	980	980	980	980	980	980	980	---	---	---	---	---	---	---	---	---	---
	7440-66-6 Zinc	23,000	---	610,000	---	61,000	---	3,600	5,100	6,200	7,500	16,000	53,000	---	---	---	---	---	---	---	---	---	---	---	---
PCBs	12674-11-2 Aroclor 1016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.355	U	0.0356	U	0.0362		3.53	U	0.366
	11104-28-2 Aroclor 1221	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0355	U	0.0356	U	0.0362	U	0.351	U	0.366
	11141-16-5 Aroclor 1232	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0355	U	0.0356	U	0.0362	U	0.351	U	0.366
	53469-21-9 Aroclor 1242	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0355	U	0.0356	U	0.0362	U	0.351	U	0.366
	12672-29-6 Aroclor 1248	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0355	U	0.0356	U	0.0362	U	0.351	U	0.366
	11097-69-1 Aroclor 1254	---	---	---	---	---	---	---	---	---	---	---	---	---	---		27		8.21	U	0.0362	U	0.351		0.887
	11096-82-5 Aroclor 1260	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.355	U	0.0356	U	0.0362		2.09	U	0.366
	1336-36-3 Total PCBs	1	---	1	---	---	---	---	---	---	---	---	---	---	---		27		8.21	U	---		5.62		0.887

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

^{calc} Results for trivalent chromium are calculated based on total and hexavalent chromium results

* Inhalation Remediation Objective for Mercury only applies at sites where elemental mercury is a contaminant of concern

** pH out of range for pH-specific soil component to groundwater remediation objectives, result compared to next-closest pH-specific objective

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3D
Pesticides

Table 3D
Soil Analytical Results - Pesticides
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Soils (mg/kg)							17F0118-06		17F0118-07		17F0020-01		17F0020-02		17E1070-01	
										SB1a		SB1b		SB2a		SB2b		SB3a	
			Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	Date:	6/2/2017	Date:	6/2/2017	Date:	5/31/2017	Date:	5/31/2017	Date:	5/30/2017
										Time:	1:00 PM	Time:	1:05 PM	Time:	9:30 AM	Time:	9:35 AM	Time:	1:20 PM
							Depth:	1.3-2.3' bgs		Depth:	11.0-12.0' bgs	Depth:	2.0-3.0' bgs	Depth:	11.0-12.0' bgs	Depth:	0.5-1.5' bgs		
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I		Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
TARGET COMPOUND LIST - PESTICIDES	309-00-2	Aldrin	0.04	3	0.3	6	6.1	9.3	0.5	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	319-84-6	alpha-BHC	0.1	0.8	0.9	1.5	20	2.1	0.0005	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	319-85-7	beta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	319-86-8	delta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	58-89-9	gamma-BHC	0.5	---	4	---	96	---	0.009	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	5103-71-9	alpha-Chlordane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.013	U	0.013	U	0.013	U	0.012	U	0.013
	57-74-9	gamma-Chlordane	1.8	72	16	140	100	22	10	U	0.013	U	0.013	U	0.013	U	0.012	U	0.013
	60-57-1	Dieldrin	0.04	1	0.4	2.2	7.8	3.1	0.004	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	50-29-3	DDT	2	--- ^c	17	1,500	100	2,100	32	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	72-54-8	DDD	3	--- ^c	24	--- ^c	520	--- ^c	16	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	72-55-9	DDE	2	--- ^c	17	--- ^c	370	--- ^c	54	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	115-29-7	Endosulfan I	470	--- ^c	12,000	--- ^c	1,200	--- ^c	18	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	33213-65-9	Endosulfan II	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	1031-07-8	Endosulfan sulfate	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	72-20-8	Endrin	23	--- ^c	610	--- ^c	61	--- ^c	1	U	0.011	U	0.0065	U	0.0065	U	0.0062		0.015
	7421-93-4	Endrin aldehyde	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U, J3	0.0063
	53494-70-5	Endrin ketone	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	76-44-8	Heptachlor	0.1	0.1	1	11	28	16	23	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	1024-57-3	Heptachlor epoxide	0.07	5	0.6	9.2	2.7	13	0.7	U	0.0067	U	0.0065	U	0.0065	U	0.0062	U	0.0063
	72-43-5	Methoxychlor	390	--- ^c	10,000	--- ^c	1,000	--- ^c	160	U	0.034	U	0.033	U	0.032	U	0.031	U	0.032
	8001-35-2	Toxaphene	0.6	89	5.2	170	110	240	31	U	0.13	U	0.13	U	0.13	U	0.12	U	0.13

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3D
Soil Analytical Results - Pesticides
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Soils (mg/kg)							17E1070-02		17F0551-04		17F0551-05		17F0118-01		17F0118-02	
										SB3b		SB4a		SB4b		SB5a		SB5b	
			Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	Date:	5/30/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	6/2/2017	Date:	6/2/2017
										Time:	1:20 PM	Time:	1:40 PM	Time:	2:00 PM	Time:	8:42 AM	Time:	8:55 AM
								Depth:		15.0-16.0' bgs	Depth:	0.0-1.0' bgs	Depth:	7.0-8.0' bgs	Depth:	2.6-3.6' bgs	Depth:	12.5-13.5' bgs	
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
TARGET COMPOUND LIST - PESTICIDES	309-00-2	Aldrin	0.04	3	0.3	6	6.1	9.3	0.5	U	0.0057	U	0.0052	U	0.0062	U	0.0077	U	0.0066
	319-84-6	alpha-BHC	0.1	0.8	0.9	1.5	20	2.1	0.0005	U	0.0057	U	0.0052	U	0.0062	U	0.0077	U	0.0066
	319-85-7	beta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0057	U	0.0052	U	0.0062	U	0.0077	U	0.0066
	319-86-8	delta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0057	U	0.0052	U	0.0062	U	0.0077	U	0.0066
	58-89-9	gamma-BHC	0.5	---	4	---	96	---	0.009	U	0.0057	U	0.0052	U	0.0062	U	0.0077	U	0.0066
	5103-71-9	alpha-Chlordane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.011	U	0.01	U	0.012	U	0.012	U	0.013
	57-74-9	gamma-Chlordane	1.8	72	16	140	100	22	10	U	0.011	U	0.01	U	0.012	U	0.012	U	0.013
	60-57-1	Dieldrin	0.04	1	0.4	2.2	7.8	3.1	0.004	U	0.0057	U	0.0052	U	0.0062	U	0.0077	U	0.0066
	50-29-3	DDT	2	--- ^c	17	1,500	100	2,100	32	U	0.0057	U, J3	0.0052	U	0.0062	U	0.0077	U	0.0066
	72-54-8	DDD	3	--- ^c	24	--- ^c	520	--- ^c	16	U	0.0057	U, I, J3	0.01	U	0.0062	U, I	0.81	U	0.0066
	72-55-9	DDE	2	--- ^c	17	--- ^c	370	--- ^c	54	U	0.0057	U, I, J3	0.025	U	0.0062	U, I	0.81	U, I	0.05
	115-29-7	Endosulfan I	470	--- ^c	12,000	--- ^c	1,200	--- ^c	18	U	0.0057	U	0.0052	U	0.0062	U	0.12	U	0.0066
	33213-65-9	Endosulfan II	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0057	U, J3	0.0052	U	0.0062	U	0.0077	U	0.0066
	1031-07-8	Endosulfan sulfate	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0057	U, J3	0.0052	U	0.0062	U	0.0077	U	0.0066
	72-20-8	Endrin	23	--- ^c	610	--- ^c	61	--- ^c	1	U	0.0057	U	0.01	U	0.0062	U	0.0077		0.0082
	7421-93-4	Endrin aldehyde	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0057	U, J3	0.0052	U	0.0062	U	0.0077	U	0.0066
	53494-70-5	Endrin ketone	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0057	U, J3	0.0052	U	0.0062	U	0.0077	U	0.0066
	76-44-8	Heptachlor	0.1	0.1	1	11	28	16	23	U	0.0057	U, J3	0.0052	U	0.0062	U, I	0.01	U	0.0066
	1024-57-3	Heptachlor epoxide	0.07	5	0.6	9.2	2.7	13	0.7	U	0.0057	U	0.0052	U	0.0062	U	0.0077	U	0.0066
	72-43-5	Methoxychlor	390	--- ^c	10,000	--- ^c	1,000	--- ^c	160	U	0.028	U, J3	0.026	U	0.031	U	0.029	U	0.033
	8001-35-2	Toxaphene	0.6	89	5.2	170	110	240	31	U	0.11	U	0.1	U	0.12	U	0.12	U	0.13

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3D
Soil Analytical Results - Pesticides
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Soils (mg/kg)							17F0118-03		17F0551-01		17F0551-02		17F0551-03		17F0057-03	
										SB5b (duplicate)		SB6a		SB6b		SB6b (duplicate)		SB7a	
			Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	Date:	6/2/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	6/1/2017
										Time:	8:55 AM	Time:	11:45 AM	Time:	12:20 PM	Time:	12:20 PM	Time:	1:00 PM
								Depth:		12.5-13.5' bgs	Depth:	2.0-3.0' bgs	Depth:	15.0-16.0	Depth:	15.0-16.0	Depth:	1.0-2.0' bgs	
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
TARGET COMPOUND LIST - PESTICIDES	309-00-2	Aldrin	0.04	3	0.3	6	6.1	9.3	0.5	U	0.0067	U	0.072	U	0.0088	U	0.0089	U	0.006
	319-84-6	alpha-BHC	0.1	0.8	0.9	1.5	20	2.1	0.0005	U	0.0067	U	0.072	U	0.0088	U	0.0089	U	0.006
	319-85-7	beta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0067	U	0.072	U	0.0088	U	0.0089	U	0.006
	319-86-8	delta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0067	U	0.072	U	0.0088	U	0.0089	U	0.006
	58-89-9	gamma-BHC	0.5	---	4	---	96	---	0.009	U	0.0067	U	0.072	U	0.0088	U	0.0089	U	0.006
	5103-71-9	alpha-Chlordane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.013	U	0.072	U	0.013	U	0.013	U	0.012
	57-74-9	gamma-Chlordane	1.8	72	16	140	100	22	10	U	0.013	U	0.072	U	0.013	U	0.013	U	0.012
	60-57-1	Dieldrin	0.04	1	0.4	2.2	7.8	3.1	0.004	U	0.0067	U	0.072	U	0.0088	U	0.0089	U	0.006
	50-29-3	DDT	2	--- ^c	17	1,500	100	2,100	32	U	0.0067	U	0.072	U	0.0088	U	0.0089	U	0.006
	72-54-8	DDD	3	--- ^c	24	--- ^c	520	--- ^c	16	U	0.0067	U, I	1.4	U, I	0.06	U, I	0.02	U	0.006
	72-55-9	DDE	2	--- ^c	17	--- ^c	370	--- ^c	54	U, I	0.04	U, I	2.4	U, I	0.4	U, I	0.2	U	0.006
	115-29-7	Endosulfan I	470	--- ^c	12,000	--- ^c	1,200	--- ^c	18	U	0.0067	U, I	0.41	U, I	0.06	U, I	0.03	U	0.006
	33213-65-9	Endosulfan II	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0067	U	0.072	U	0.0088	U	0.0089	U	0.006
	1031-07-8	Endosulfan sulfate	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0067	U	0.072	U	0.0088	U	0.0089	U	0.006
	72-20-8	Endrin	23	--- ^c	610	--- ^c	61	--- ^c	1	U	0.0067	U, I	1.1	U, I	0.09	U, I	0.04	U	0.006
	7421-93-4	Endrin aldehyde	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0067	U	0.072	U	0.0088	U	0.0089	U	0.006
	53494-70-5	Endrin ketone	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0067	U	0.072	U	0.0088	U	0.0089	U	0.006
	76-44-8	Heptachlor	0.1	0.1	1	11	28	16	23	U	0.0067	U, I	0.072	U	0.0088	U	0.0089	U	0.006
	1024-57-3	Heptachlor epoxide	0.07	5	0.6	9.2	2.7	13	0.7	U	0.0067	U	0.072	U	0.0088	U	0.0089	U	0.006
	72-43-5	Methoxychlor	390	--- ^c	10,000	--- ^c	1,000	--- ^c	160	U	0.034	U	0.072	U	0.033	U	0.034	U	0.03
	8001-35-2	Toxaphene	0.6	89	5.2	170	110	240	31	U	0.13	U	11	U	1.3	U	1.3	U	0.12

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3D
Soil Analytical Results - Pesticides
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Soils (mg/kg)							17F0057-04		17F0589-01		17F0589-02		17F0057-01		17F0057-02	
										SB7b		SB8a		SB8b		SB9a		SB9b	
			Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	Date:	6/1/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	6/1/2017	Date:	6/1/2017
										Time:	1:05 PM	Time:	6:15 PM	Time:	6:25 PM	Time:	8:30 AM	Time:	8:35 AM
									Depth:	11.0-12.0' bgs	Depth:	1.0-2.0' bgs	Depth:	15.0-16.0' bgs	Depth:	0.0-1.0' bgs	Depth:	11.0-12.0' bgs	
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
TARGET COMPOUND LIST - PESTICIDES	309-00-2	Aldrin	0.04	3	0.3	6	6.1	9.3	0.5	U	0.0062	U	0.0073	U	0.0061	U	0.0053	U	0.0062
	319-84-6	alpha-BHC	0.1	0.8	0.9	1.5	20	2.1	0.0005	U	0.0062	U	0.0073	U	0.0061	U	0.0053	U	0.0062
	319-85-7	beta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0062	U	0.0073	U	0.0061	U	0.0053	U	0.0062
	319-86-8	delta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0062	U	0.0073	U	0.0061	U	0.0053	U	0.0062
	58-89-9	gamma-BHC	0.5	---	4	---	96	---	0.009	U	0.0062	U	0.0073	U	0.0061	U	0.0053	U	0.0062
	5103-71-9	alpha-Chlordane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.012	U	0.011	U	0.012	U	0.011	U	0.012
	57-74-9	gamma-Chlordane	1.8	72	16	140	100	22	10	U	0.012	U	0.011	U	0.012	U	0.011		0.016
	60-57-1	Dieldrin	0.04	1	0.4	2.2	7.8	3.1	0.004	U	0.0062	U	0.0073	U	0.0061	U	0.0053	U	0.0062
	50-29-3	DDT	2	--- ^c	17	1,500	100	2,100	32	U	0.0062	U, I	0.02	U	0.0061	U	0.0053	U	0.0062
	72-54-8	DDD	3	--- ^c	24	--- ^c	520	--- ^c	16	U	0.0062	U, I	0.042	U	0.0061	U	0.0053	U, I	0.03
	72-55-9	DDE	2	--- ^c	17	--- ^c	370	--- ^c	54	U	0.0062	U, I	0.78	U	0.0061	U, I	0.02	U, I	0.1
	115-29-7	Endosulfan I	470	--- ^c	12,000	--- ^c	1,200	--- ^c	18	U	0.0062	U, I	0.11	U	0.0061	U	0.0053	U	0.0062
	33213-65-9	Endosulfan II	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0062	U	0.0073	U	0.0061	U	0.0053	U	0.0062
	1031-07-8	Endosulfan sulfate	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0062	U, I	0.02	U	0.0061	U	0.0053	U	0.0062
	72-20-8	Endrin	23	--- ^c	610	--- ^c	61	--- ^c	1	U	0.0062	U, I	0.12	U	0.0061	U	0.0053	U, I	0.03
	7421-93-4	Endrin aldehyde	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0062	U	0.0073	U	0.0061	U	0.0053	U	0.0062
	53494-70-5	Endrin ketone	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0062	U	0.0073	U	0.0061	U	0.0053	U	0.0062
	76-44-8	Heptachlor	0.1	0.1	1	11	28	16	23	U	0.0062	U	0.0073	U	0.0061	U	0.0053	U	0.0062
	1024-57-3	Heptachlor epoxide	0.07	5	0.6	9.2	2.7	13	0.7	U	0.0062	U	0.0073	U	0.0061	U	0.0053	U	0.0062
	72-43-5	Methoxychlor	390	--- ^c	10,000	--- ^c	1,000	--- ^c	160	U	0.031	U	0.028	U	0.03	U	0.026	U	0.031
	8001-35-2	Toxaphene	0.6	89	5.2	170	110	240	31	U	0.12	U	1.1	U	0.12	U	0.11	U	0.12

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3D
Soil Analytical Results - Pesticides
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Soils (mg/kg)							17F0589-03		17F0589-04		17F0118-04		17F0118-05		17F0020-03		
										SB10a		SB10b		SB11a		SB11b		SB12a		
			Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	Date:	6/13/2017	Date:	6/13/2017	Date:	6/2/2017	Date:	6/2/2017	Date:	5/31/2017	
										Time:	8:15 AM	Time:	8:20 AM	Time:	10:55 AM	Time:	11:00 AM	Time:	10:40 AM	
		CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion		Inhalation	Class I	Depth:	0.0-1.0' bgs	Depth:	11.0-12.0' bgs	Depth:	1.0-2.0' bgs	Depth:	15.0-16.0' bgs	Depth:	0.0-1.0' bgs
TARGET COMPOUND LIST - PESTICIDES											Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
	309-00-2	Aldrin	0.04	3	0.3	6	6.1	9.3	0.5	U, J1	0.075	U, J1	0.0086	U	0.0062	U	0.0065	U, J1	0.0057	
	319-84-6	alpha-BHC	0.1	0.8	0.9	1.5	20	2.1	0.0005	U, J1	0.075	U, J1	0.0086	U	0.0062	U	0.0065	U, J1	0.0057	
	319-85-7	beta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U, J1	0.075	U, J1	0.0086	U	0.0062	U	0.0065	U, J1	0.0057	
	319-86-8	delta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U, J1	0.075	U, J1	0.0086	U	0.0062	U	0.0065	U, J1	0.0057	
	58-89-9	gamma-BHC	0.5	---	4	---	96	---	0.009	U, J1	0.075	U, J1	0.0086	U	0.0062	U	0.0065	U, J1	0.0057	
	5103-71-9	alpha-Chlordane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U, J1	0.075	U, J1	0.013	U	0.012	U	0.013	J1	0.029	
	57-74-9	gamma-Chlordane	1.8	72	16	140	100	22	10	U, J1	0.075	U, J1	0.013	U	0.012	U	0.013	J1	0.17	
	60-57-1	Dieldrin	0.04	1	0.4	2.2	7.8	3.1	0.004	U, J1	0.075	U, J1	0.0086	U	0.0062	U	0.0065	J1	0.013	
	50-29-3	DDT	2	--- ^c	17	1,500	100	2,100	32	U,J1, I	0.31	U, J1, I	0.085	U	0.0062	U	0.0065	U, J1	0.015 I,	
	72-54-8	DDD	3	--- ^c	24	--- ^c	520	--- ^c	16	U, J1	0.075	U, J1	0.0086	U, I	0.085	U	0.0065	U, J1	0.03 I,	
	72-55-9	DDE	2	--- ^c	17	--- ^c	370	--- ^c	54	U, J1	4.5	U, J1, I	0.025	U, I	0.17	U	0.0065	U, J1	0.06 I,	
	115-29-7	Endosulfan I	470	--- ^c	12,000	--- ^c	1,200	--- ^c	18	U, J1, I	0.9	U, J1	0.0086	U	0.025	U	0.0065	U, J1	0.0057	
	33213-65-9	Endosulfan II	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U, J1	0.075	U, J1	0.0086	U	0.0062	U	0.0065	U, J1	0.0057	
	1031-07-8	Endosulfan sulfate	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U, J1, I	0.2	U, J1	0.0086	U	0.0062	U	0.0065	J1	0.01	
	72-20-8	Endrin	23	--- ^c	610	--- ^c	61	--- ^c	1	U, J1	0.6	U, J1	0.0086		0.042	U	0.0065	U, J1	0.02 I,	
	7421-93-4	Endrin aldehyde	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U, J1	0.075	U, J1	0.0086	U	0.0062	U	0.0065	U, J1	0.0057	
	53494-70-5	Endrin ketone	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U, J1	0.075	U, J1	0.0086	U	0.0062	U	0.0065	U, J1	0.0057	
	76-44-8	Heptachlor	0.1	0.1	1	11	28	16	23	U, J1	0.075	U, J1	0.0086	U	0.0062	U	0.0065	U, J1	0.0057	
	1024-57-3	Heptachlor epoxide	0.07	5	0.6	9.2	2.7	13	0.7	U, J1	0.075	U, J1	0.0086	U	0.0062	U	0.0065	U, J1	0.0057	
	72-43-5	Methoxychlor	390	--- ^c	10,000	--- ^c	1,000	--- ^c	160	U, J1	0.075	U, J1	0.033	U	0.031	U	0.032	U, J1	0.029	
8001-35-2	Toxaphene	0.6	89	5.2	170	110	240	31	U, J1	17	U, J1	1.3	U	0.12	U	0.13	U, J1	0.11		

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective

Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3D
Soil Analytical Results - Pesticides
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Soils (mg/kg)							17F0020-04		17F0589-07		17F0589-08		17F0589-05		17F0589-06	
										SB12b		SB13a		SB13b		SB14a		SB14b	
			Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	Date:	5/31/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017
										Time:	10:40 AM	Time:	10:20 AM	Time:	10:30 AM	Time:	9:30 AM	Time:	9:40 AM
							Depth:	8.0-9.0' bgs		Depth:	1.0-2.0' bgs	Depth:	12.0-13.0' bgs	Depth:	0.0-1.0' bgs	Depth:	11.0-12.0' bgs		
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I		Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
TARGET COMPOUND LIST - PESTICIDES	309-00-2	Aldrin	0.04	3	0.3	6	6.1	9.3	0.5	U	0.0061	U, J1	0.0076	U	0.0062	U	0.0055	U	0.0064
	319-84-6	alpha-BHC	0.1	0.8	0.9	1.5	20	2.1	0.0005	U	0.0061	U, J1	0.0076	U	0.0062	U	0.0055	U	0.0064
	319-85-7	beta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0061	U, J1	0.0076	U	0.0062	U	0.0055	U	0.0064
	319-86-8	delta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0061	U, J1	0.0076	U	0.0062	U	0.0055	U	0.0064
	58-89-9	gamma-BHC	0.5	---	4	---	96	---	0.009	U	0.0061	U, J1	0.0076	U	0.0062	U	0.0055	U	0.0064
	5103-71-9	alpha-Chlordane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.012	U, J1	0.012	U	0.012	U	0.011	U	0.013
	57-74-9	gamma-Chlordane	1.8	72	16	140	100	22	10	U	0.012	U, J1	0.012	U	0.012	U	0.011	U	0.013
	60-57-1	Dieldrin	0.04	1	0.4	2.2	7.8	3.1	0.004	U	0.0061	U, J1	0.0076	U	0.0062	U	0.0055	U	0.0064
	50-29-3	DDT	2	--- ^c	17	1,500	100	2,100	32	U	0.0061	U, J1	0.0076	U	0.0062	U, I	0.02	U	0.0064
	72-54-8	DDD	3	--- ^c	24	--- ^c	520	--- ^c	16	U	0.0061	U, J1, I	0.01	U	0.0062	U, I	0.04	U	0.0064
	72-55-9	DDE	2	--- ^c	17	--- ^c	370	--- ^c	54	U	0.0061	U, J1	0.0076	U	0.0062	U, I	0.11	U	0.0064
	115-29-7	Endosulfan I	470	--- ^c	12,000	--- ^c	1,200	--- ^c	18	U	0.0061	U, J1, I	0.03	U	0.0062	U, I	0.02	U	0.0064
	33213-65-9	Endosulfan II	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0061	U, J1	0.0076	U	0.0062	U	0.0055	U	0.0064
	1031-07-8	Endosulfan sulfate	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0061	U, J1	0.0076	U	0.0062	U	0.0055	U	0.0064
	72-20-8	Endrin	23	--- ^c	610	--- ^c	61	--- ^c	1	U	0.0061	U, J1, I	0.04	U	0.0062	U, I	0.02	U	0.0064
	7421-93-4	Endrin aldehyde	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0061	U, J1	0.0076	U	0.0062	U	0.0055	U	0.0064
	53494-70-5	Endrin ketone	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0061	U, J1	0.0076	U	0.0062	U	0.0055	U	0.0064
	76-44-8	Heptachlor	0.1	0.1	1	11	28	16	23	U	0.0061	U, J1	0.0076	U	0.0062	U	0.0055	U	0.0064
	1024-57-3	Heptachlor epoxide	0.07	5	0.6	9.2	2.7	13	0.7	U	0.0061	U, J1	0.0076	U	0.0062	U	0.0055	U	0.0064
	72-43-5	Methoxychlor	390	--- ^c	10,000	--- ^c	1,000	--- ^c	160	U	0.03	U, J1	0.029	U	0.031	U	0.028	U	0.032
	8001-35-2	Toxaphene	0.6	89	5.2	170	110	240	31	U	0.12	U, J1	0.12	U	0.12	U	0.11	U	0.13

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 3D
Soil Analytical Results - Pesticides
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Soils (mg/kg)							17F0551-06		17F0551-07		17F0551-08		17-F0551-09	
										SB16a		SB16b		SB17a		SB17b	
			Residential		Industrial-Commercial		Construction Worker		Soil Component to Groundwater Ingestion	Date:	6/12/2017	Date:	6/12/2017	Date:	6/12/2017	Date:	6/12/2017
										Time:	3:15 PM	Time:	3:20 PM	Time:	4:45 PM	Time:	4:50 PM
									Depth:	1.0-2.0' bgs	Depth:	13.0-14.0' bgs	Depth:	0.0-1.0' bgs	Depth:	14.0-15.0' bgs	
CAS #	Analytical Parameter	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
TARGET COMPOUND LIST - PESTICIDES	309-00-2	Aldrin	0.04	3	0.3	6	6.1	9.3	0.5	U	0.0082	U	0.0065	J1	0.017	U	0.006
	319-84-6	alpha-BHC	0.1	0.8	0.9	1.5	20	2.1	0.0005	U	0.0082	U	0.0065	U, J1	0.0075	U	0.006
	319-85-7	beta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0082	U	0.0065	U, J1	0.0075	U	0.006
	319-86-8	delta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0082	U	0.0065	U, J1	0.0075	U	0.006
	58-89-9	gamma-BHC	0.5	---	4	---	96	---	0.009	U	0.0082	U	0.0065	U, J1	0.0075	U	0.006
	5103-71-9	alpha-Chlordane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.012	U	0.013	U, J1	0.011	U	0.012
	57-74-9	gamma-Chlordane	1.8	72	16	140	100	22	10	U	0.012	U	0.013	U, J1	0.011	U	0.012
	60-57-1	Dieldrin	0.04	1	0.4	2.2	7.8	3.1	0.004	U	0.0082	U	0.0065	U, J1	0.0075	U	0.006
	50-29-3	DDT	2	--- ^c	17	1,500	100	2,100	32	U, I	0.06	U	0.0065	U, J1	0.0075	U	0.006
	72-54-8	DDD	3	--- ^c	24	--- ^c	520	--- ^c	16	U, I	0.6	U	0.0065	U, J1, I	0.35	U	0.006
	72-55-9	DDE	2	--- ^c	17	--- ^c	370	--- ^c	54	U, I	1.5	U	0.0065	U, J1, I	1.8	U	0.006
	115-29-7	Endosulfan I	470	--- ^c	12,000	--- ^c	1,200	--- ^c	18	U, I	0.15	U	0.0065	U, J1, I	0.3	U	0.006
	33213-65-9	Endosulfan II	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0082	U	0.0065	U, J1	0.0075	U	0.006
	1031-07-8	Endosulfan sulfate	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0082	U	0.0065	U, J1	0.0075	U	0.006
	72-20-8	Endrin	23	--- ^c	610	--- ^c	61	--- ^c	1	U, I	0.2	U	0.0065	U, J1	0.3	U	0.006
	7421-93-4	Endrin aldehyde	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0082	U	0.0065	U, J1	0.0075	U	0.006
	53494-70-5	Endrin ketone	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0082	U	0.0065	U, J1	0.0075	U	0.006
	76-44-8	Heptachlor	0.1	0.1	1	11	28	16	23	U	0.0082	U	0.0065	U, J1, I	0.06	U	0.006
	1024-57-3	Heptachlor epoxide	0.07	5	0.6	9.2	2.7	13	0.7	U	0.0082	U	0.0065	U, J1	0.0075	U	0.006
	72-43-5	Methoxychlor	390	--- ^c	10,000	--- ^c	1,000	--- ^c	160	U	0.031	U	0.033	U, J1	0.028	U	0.03
	8001-35-2	Toxaphene	0.6	89	5.2	170	110	240	31	U	1.2	U	0.13	U, J1	1.1	U	0.12

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/kg Remediation objectives and results reported in milligrams per kilogram (mg/kg)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Soil Remediation Objective
Color shaded corresponds with exposure route of highest exceeded Tier 1 Soil Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 Soil Remediation Objective

Table 4

Groundwater Analytical Results

- Table 4A - Volatile Organic Compounds
- Table 4B - Semi-Volatile Organic Compounds
- Table 4C - Inorganics and Polychlorinated Biphenyls
- Table 4D - Pesticides

Table 4A
Volatile Organic Compounds

Table 4A
Groundwater Analytical Results - Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Groundwater (mg/L)				17F0589-09		17F0589-16		17F0589-15		17F0598-11		17F0589-12		18H0103-01		
			Groundwater Ingestion	Indoor Inhalation				MW-1		MW-2		MW-3		MW-4		MW-54 (duplicate MW-4)		DMC-MW3	
				Diffusion & Advection		Diffusion Only*		Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	8/2/2018
CAS #	Analytical Parameter	Class I	Residential	Ind./Com.	Residential	Ind./Com.	Qualifer	Result	Qualifer	Result	Qualifer	Result	Qualifer	Result	Qualifer	Result	Qualifer	Result	
TARGET COMPOUND LIST - VOLATILE ORGANIC PARAMETERS	67-64-1	Acetone	6.3	1,000,000	1,000,000	1,000,000	1,000,000	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.05
	71-43-2	Benzene	0.005	0.11	0.41	0.41	2.6	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	108-86-1	Bromobenzene	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	---	---
	74-97-5	Bromochloromethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	---	---
	75-27-4	Bromodichloromethane (Dichlorobromomethane)	0.0002	6,700	6,700	6,700	6,700	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.0002
	75-25-2	Bromoform	0.001	3.1	12	170	1,300	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.001
	74-83-9	Bromomethane (Methyl bromide)	0.0098	1.5	4.8	6.1	33	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.0098
	78-93-3	2-Butanone (Methyl ethyl ketone, MEK)	4.2	10,000	48,000	220,000	220,000	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01
	75-15-0	Carbon disulfide	0.7	67	210	170	820	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.01
	56-23-5	Carbon tetrachloride	0.005	0.02	0.076	0.052	0.31	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	108-90-7	Chlorobenzene (Monochlorobenzene)	0.1	26	82	130	470	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	75-00-3	Chloroethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.01
	67-66-3	Chloroform	0.0002	0.07	0.15	0.17	1.1	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.0002
	74-87-3	Chloromethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.01
	124-48-1	Dibromochloromethane (Chlorodibromomethane)	0.14	2,600	2,600	2,600	2,600	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	106-93-4	1,2-Dibromoethane	0.00005	0.0035	0.014	0.073	0.52	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	---	---
	74-95-3	Dibromomethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	---	---
	75-34-3	1,1-Dichloroethane	0.7	180	580	750	4,100	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	107-06-2	1,2-Dichloroethane (Ethylene dichloride)	0.005	0.054	0.22	0.5	3.5	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	75-35-4	1,1-Dichloroethene	0.007	24	74	61	300	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	156-59-2	cis-1,2-Dichloroethene	0.07	3,500	3,500	3,500	3,500	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	156-60-5	trans-1,2-Dichloroethene	0.1	16	51	58	310	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	563-58-6	1,1-Dichloropropene	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	---	---
	78-87-5	1,2-Dichloropropane	0.005	0.12	0.48	0.67	4.5	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	142-28-9	1,3-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	---	---
	594-20-7	2,2-Dichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	---	---
	10061-01-5	cis-1,3-Dichloropropene	0.001	0.14	0.52	0.42	2.6	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.001
	10061-02-6	trans-1,3-Dichloropropene	0.001	0.14	0.52	0.42	2.6	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.001
	100-41-4	Ethylbenzene	0.7	0.37	1.4	1.3	8.1		0.83	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	591-78-6	2-Hexanone	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	98-82-8	Isopropylbenzene (Cumene)	0.7	2.7	8.4	6.2	30		0.057	U	0.002	U	0.002	U	0.002	U	0.002	---	---
	75-09-2	Methylene chloride (Dichloromethane)	0.005	2.1	8.2	12	84	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005
	1634-04-4	Methyl-tert-butyl ether	0.07	1,900	6,800	30,000	51,000	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	108-10-1	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	100-42-5	Styrene	0.1	310	310	310	310	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	127-18-4	Tetrachloroethylene (Perchloroethylene)	0.005	0.094	0.34	0.26	1.6	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	75-69-4	Trichlorofluoromethane	2.1	26	82	62	300	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	---	---
	108-88-3	Toluene	1	530	530	530	530		0.089	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	71-55-6	1,1,1-Trichloroethane	0.2	1000	1300	1300	1300	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
	79-00-5	1,1,2-Trichloroethane	0.005	4400	4400	4400	4400	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005
96-18-4	1,2,3-Trichloropropane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	---	---	
630-20-6	1,1,1,2-Tetrachloroethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	---	---	
79-34-5	1,1,2,2-Tetrachloroethane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.003	
79-01-6	Trichloroethene (Trichloroethylene)	0.005	0.34	1.3	1.1	6.7	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.005	
75-01-4	Vinyl chloride	0.002	0.028	0.21	0.065	0.75	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	
1330-20-7	Xylenes (Total)	10.0	30	93	96	110		4.5	U	0.002	U	0.002		0.0023	U	0.002	U	0.015	

--- Parameter not analyzed
--- No toxicity criteria available for this route of exposure
* Indoor Inhalation groundwater remediation objectives accounting for diffusion require that contamination is greater than 5 feet vertically and horizontally from existing or proposed structures, and must be utilized in conjunction with soil gas sample results
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/L Remediation objectives and results reported in milligrams per liter (mg/L)
Analytical results in **bold** indicate detected parameter
Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Groundwater (GW) Remediation Objective
Italicized analytical results indicate RL for parameter is greater than a Tier 1 GW Remediation Objective

Table 4B
Semi-Volatile Organic Compounds

Table 4B
Groundwater Analytical Results - Semi-Volatile Organic Compounds
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

		Exposure Route-Specific Values for Groundwater (mg/L)						17F0589-09		17F0589-16		17F0589-15		17F0598-11		17F0589-12		18H0103-01	
CAS #	Analytical Parameter	Groundwater Ingestion Class I	Indoor Inhalation				MW-1		MW-2		MW-3		MW-4		MW-54 (duplicate MW-4)		DMC-MW3		
			Diffusion & Advection		Diffusion Only*		Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	8/2/2018	
			Residential	Ind./Com.	Residential	Ind./Com.	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
83-32-9	Acenaphthene	0.42	---	---	---	---	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.0104	
208-96-8	Acenaphthylene	---	---	---	---	---	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.0104	
98-86-2	Acetophenone	---	---	---	---	---	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	---	---	
120-12-7	Anthracene	2.1	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
103-33-3	Azobenzene	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
56-55-3	Benzo(a)anthracene	0.00013	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U,M	0.000113	
205-99-2	Benzo(b)fluoranthene	0.00018	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U,M	0.000114	
207-08-9	Benzo(k)fluoranthene	0.00017	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U,M	0.000128	
191-24-2	Benzo(g,h,i)perylene	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
50-32-8	Benzo(a)pyrene	0.0002	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U,M	0.000108	
111-44-4	Bis(2-chloroethyl)ether	0.01	0.083	0.43	6.6	48	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.00729	
111-91-1	Bis(2-Chloroethoxy)methane	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
108-60-1	Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	U	0.0104	
117-81-7	Bis(2-ethylhexyl)phthalate	0.006	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.00417	
101-55-3	4-Bromophenyl-phenylether	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
85-68-7	Butyl benzyl phthalate	1.4	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
86-74-8	Carbazole	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
59-50-7	4-Chloro-3-Methylphenol	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0208	
106-47-8	4-Chloroaniline (p-Chloroaniline)	0.028	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0208	
90-13-1	1-Chloronaphthalene	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
91-58-7	2-Chloronaphthalene (beta-Chloronaphthalene)	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
95-57-8	2-Chlorophenol	0.035 ^{PH}	22,000	22,000	22,000	22,000	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
7005-72-3	4-Chlorophenyl-phenyl ether	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
218-01-9	Chrysene	0.0015	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.00115	
95-50-1	1,2-Dichlorobenzene (o - Dichlorobenzene)	0.6	140	160	140	160	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
541-73-1	1,3-Dichlorobenzene	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	0.00417	
106-46-7	1,4-Dichlorobenzene (p - Dichlorobenzene)	0.075	79	79	79	79	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
120-83-2	2,4-Dichlorophenol	0.021	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
84-74-2	Di-n-butyl phthalate	0.7	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
117-84-0	Di-n-octyl phthalate	0.14	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
528-29-0	1,2-Dinitrobenzene	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
99-65-0	1,3-Dinitrobenzene	0.0007	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
100-25-4	1,4-Dinitrobenzene	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
606-20-2	2,6-Dinitrotoluene	0.00031	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U,M	0.000199	
51-28-5	2,4-Dinitrophenol	0.014	---	---	---	---	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.0104	
121-14-2	2,4-Dinitrotoluene	0.00002	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U,M	0.0000656	
53-70-3	Dibenzo(a,h)anthracene	0.0003	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.000208	
132-64-9	Dibenzofuran	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.00521	
91-94-1	3,3'-Dichlorobenzidine	0.02	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
87-65-0	2,6-Dichlorophenol	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
84-66-2	Diethyl phthalate	5.6	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
131-11-3	Dimethylphthalate	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
60-11-7	p-Dimethylaminoazobenzene	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
57-97-6	7,12-Dimethylbenzo(a)anthracene	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
105-67-9	2,4-Dimethylphenol	0.14	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
534-52-1	4,6-Dinitro-2-methylphenol (4,6-dinitro-o-cresol)	0.0015	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U,M	0.000949	
122-39-4	Diphenylamine	0.175	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
206-44-0	Fluoranthene	0.28	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
86-73-7	Fluorene	0.28	---	---	---	---	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.0104	
118-74-1	Hexachlorobenzene	0.00006	0.0059	0.0059	0.0062	0.0062	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U,M	0.000119	
87-68-3	Hexachlorobutadiene	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.00104	
77-47-4	Hexachlorocyclopentadiene	0.05	0.084	0.26	0.29	1.5	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
67-72-1	Hexachloroethane	0.007	50	50	50	50	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.00521	
1888-71-7	Hexachloropropene	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
193-39-5	Indeno(1,2,3-cd)pyrene	0.00043	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
465-73-6	Isodrin	0.0015	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
78-59-1	Isophorone	1.4	12,000	12,000	12,000	12,000	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0104	
120-58-1	Isosafrole	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
72-33-3	Mestranol	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0015	---	---	
62-50-0	Ethyl methanesulfonate	---	---	---	---	---	U	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0			

Table 4C
Inorganics and Polychlorinated Biphenyls

Table 4C
Groundwater Analytical Results - Inorganics and Polychlorinated Biphenyls
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Groundwater (mg/L)					17F0589-09		17F0589-16		17F0589-15		17F0598-11		17F0589-12		18H0103-01	
			Groundwater Ingestion	Indoor Inhalation				MW-1		MW-2		MW-3		MW-4		MW-54 (duplicate MW-4)		DMC-MW3	
				Diffusion & Advection		Diffusion Only*		Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	8/2/2018
CAS #	Analytical Parameter	Class I	Residential	Ind./Com.	Residential	Ind./Com.	Qualifer	Result	Qualifer	Result	Qualifer	Result	Qualifer	Result	Qualifer	Result	Qualifer	Result	
---	Hardness	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		420		530		487		478		474	---	---	
TARGET COMPOUND LIST - INORGANIC PARAMETERS	7429-90-5 Aluminum**	3.5	--- ^c	--- ^c	--- ^c	--- ^c	U	0.1		0.334		0.104		0.307		0.269	---	---	
	7440-36-0 Antimony	0.006	--- ^c	--- ^c	--- ^c	--- ^c	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01		0.00569	
	7440-36-0 Antimony (Dissolved)	0.006	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	U	0.005	
	7440-38-2 Arsenic	0.05	--- ^c	--- ^c	--- ^c	--- ^c	U	0.01	U	0.01	U	0.01	U	0.01	U	0.0100	U	0.01	
	7440-38-2 Arsenic (Dissolved)	0.05	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	U	0.01	
	7440-39-3 Barium	2.0	--- ^c	--- ^c	--- ^c	--- ^c		0.101		0.112		0.64		0.135		0.134		0.499	
	7440-39-3 Barium (Dissolved)	2.0	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---		0.458	
	7440-41-7 Beryllium	0.004	--- ^c	--- ^c	--- ^c	--- ^c	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	---	---	
	7440-42-8 Boron	2	--- ^c	--- ^c	--- ^c	--- ^c		0.226		0.243		0.321		0.507		0.511	---	---	
	7440-43-9 Cadmium	0.005	--- ^c	--- ^c	--- ^c	--- ^c	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.005	
	7440-43-9 Cadmium (Dissolved)	0.005	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	---	U	0.005
	7440-70-2 Calcium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		104		132		124		127		126	---	---	
	7440-47-3 Chromium, total	0.1	--- ^c	--- ^c	--- ^c	--- ^c	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	
	7440-47-3 Chromium, total (Dissolved)	0.1	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	---	U	0.005
	7440-48-4 Cobalt	1.0	--- ^c	--- ^c	--- ^c	--- ^c	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	---	---	
	7440-50-8 Copper	0.65	--- ^c	--- ^c	--- ^c	--- ^c	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	---	---	
	57-12-5 Cyanide	0.2	--- ^c	--- ^c	--- ^c	--- ^c	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	---	---	
	15438-31-0 Iron	5.0	--- ^c	--- ^c	--- ^c	--- ^c		4.47		0.841		4.13		0.777		0.655	---	---	
	7439-92-1 Lead	0.0075	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0050	U	0.0050	U	0.0050	U	0.0050	U	0.0050	U	0.005	
	7439-92-1 Lead (Dissolved)	0.0075	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	---	U	0.005
	7439-95-4 Magnesium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		38.7		49		43.2		39		38.9	---	---	
	7439-96-5 Manganese	0.15	--- ^c	--- ^c	--- ^c	--- ^c		1.51		0.0879		0.908		0.845		0.841	---	---	
	7439-97-6 Mercury	0.002	0.053	0.06	0.06	0.06	U	0.0001	U	0.0001	U	0.0001		0.0001	U	0.0001		0.0000738	
	7439-97-6 Mercury (Dissolved)	0.002	0.053	0.06	0.06	0.06	---	---	---	---	---	---	---	---	---	---	---		0.0000414
	7440-02-0 Nickel	0.1	--- ^c	--- ^c	--- ^c	--- ^c	U	0.005	U	0.005	U	0.005		0.00508		0.00548	---	---	
	7440-09-7 Potassium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		5.17		5.19		3.53		3.2		3.26	---	---	
	7782-49-2 Selenium	0.05	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0250	U	0.025	U	0.0250	U	0.025	U	0.0250		0.00131	
	7782-49-2 Selenium (Dissolved)	0.05	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	---		0.0019
	7740-22-4 Silver	0.05	--- ^c	--- ^c	--- ^c	--- ^c	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.0001	
	7740-22-4 Silver (Dissolved)	0.05	--- ^c	--- ^c	--- ^c	--- ^c	---	---	---	---	---	---	---	---	---	---	---	U	0.0001
	7440-23-5 Sodium	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c		53.8		124		79.7		69.5		69.5	---	---	
	7440-24-6 Strontium	4.2	--- ^c	--- ^c	--- ^c	--- ^c		0.183		0.177		0.22		0.161		0.161	---	---	
	7440-28-0 Thallium	0.002	--- ^c	--- ^c	--- ^c	--- ^c	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	---	---	
	7440-62-2 Vanadium	0.049	--- ^c	--- ^c	--- ^c	--- ^c	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	---	---	
	7440-66-6 Zinc	5.0	--- ^c	--- ^c	--- ^c	--- ^c	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	---	---	
PCBs	12674-11-2 Aroclor - 1016	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005		0.00244	
	11104-28-2 Aroclor - 1221	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.00051	
	11141-16-5 Aroclor - 1232	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.00051	
	53469-21-9 Aroclor - 1242	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0005	U	0.0005		0.0011	U	0.0005	U	0.0005	U	0.00051	
	12672-29-6 Aroclor - 1248	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.00051	
	11097-69-1 Aroclor - 1254	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0005	U	0.0005		0.00085	U	0.0005	U	0.0005	U	0.00051	
	11096-82-5 Aroclor - 1260	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005		0.00109	
	1336-36-3 Total PCBs	0.0005	--- ^c	--- ^c	--- ^c	--- ^c	U	---	U	---		0.00195	U	---	U	---		0.00353	

--- Parameter not analyzed

---^c No toxicity criteria available for this route of exposure

* Indoor Inhalation groundwater remediation objectives accounting for diffusion require that contamination is greater than 5 feet vertically and horizontally from existing or proposed structures, and must be utilized in conjunction with soil gas sample results

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/L Remediation objectives and results reported in milligrams per liter (mg/L)

Analytical results in **bold** indicate detected parameter

Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Groundwater (GW) Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 GW Remediation Objective

Table 4D
Pesticides

Table 4D
Groundwater Analytical Results - Pesticides
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Groundwater (mg/L)					17F0589-09		17F0589-16		17F0589-15		17F0598-11		17F0589-12		18H0103-01	
			Groundwater Ingestion	Indoor Inhalation				MW-1		MW-2		MW-3		MW-4		MW-54 (duplicate MW-4)		DMC-MW3	
				Diffusion & Advection		Diffusion Only*		Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	6/13/2017	Date:	8/2/2018
	CAS #	Analytical Parameter	Class I	Residential	Ind./Com.	Residential	Ind./Com.	Qualifer	Result	Qualifer	Result	Qualifer	Result	Qualifer	Result	Qualifer	Result	Qualifer	Result
Target Compound List- Pesticides	309-00-2	Aldrin	0.014	--- ^c	--- ^c	--- ^c	--- ^c	U	0.00005	U	0.00005	U	0.00005	U	0.00005	U	0.00005	---	---
	319-84-6	alpha-HCH (alpha-BHC)	0.00011	--- ^c	--- ^c	--- ^c	--- ^c	U	0.00005	U	0.00005	U	0.00005	U	0.00005	U	0.00005	---	---
	319-85-7	beta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.00005	U	0.00005	U	0.00005	U	0.00005	U	0.00005	---	---
	319-86-8	delta-BHC	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.00005	U	0.00005	U	0.00005	U	0.00005	U	0.00005	---	---
	58-89-9	gamma- BHC	0.0002	--- ^c	--- ^c	--- ^c	--- ^c	U	0.00005	U	0.00005	U	0.00005	U	0.00005	U	0.00005	---	---
	5103-71-9	alpha-Chlordane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.00005	U	0.00005	U	0.00005	U	0.00005	U	0.00005	---	---
	5566-34-7	gamma-Chlordane	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.00005	U	0.00005	U	0.00005	U	0.00005	U	0.00005	---	---
	60-57-1	Dieldrin	0.009	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	---	---
	50-29-3	DDT	0.006	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	---	---
	72-54-8	DDD	0.014	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	---	---
	72-55-9	DDE	0.01	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	---	---
	115-29-7	Endosulfan I	0.042	--- ^c	--- ^c	--- ^c	--- ^c	U	0.00005	U	0.00005	U	0.00005	U	0.00005	U	0.00005	---	---
	33213-65-9	Endosulfan II	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	---	---
	1031-07-8	Endosulfan Sulfate	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	---	---
	72-20-8	Endrin	0.002	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	---	---
	7421-93-4	Endrin Aldehyde	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	---	---
	53494-70-5	Endrin Ketone	--- ^c	--- ^c	--- ^c	--- ^c	--- ^c	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	---	---
	76-44-8	Heptachlor	0.0004	0.0025	0.0096	0.058	0.18	U	0.00005	U	0.00005	U	0.00005	U	0.00005	U	0.00005	---	---
	1024-57-3	Heptachlor epoxide	0.0002	--- ^c	--- ^c	--- ^c	--- ^c	U	0.00005	U	0.00005	U	0.00005	U	0.00005	U	0.00005	---	---
	72-43-5	Methoxychlor	0.04	--- ^c	---	--- ^c	--- ^c	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	---	---
8001-35-2	Toxaphene	0.003	--- ^c	---	--- ^c	--- ^c	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	---	---	

--- Parameter not analyzed


---^c No toxicity criteria available for this route of exposure

* Indoor Inhalation groundwater remediation objectives accounting for diffusion require that contamination is greater than 5 feet vertically and horizontally from existing or proposed structures, and must be utilized in conjunction with soil gas sample results

U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)

mg/L Remediation objectives and results reported in milligrams per liter (mg/L)

Analytical results in **bold** indicate detected parameter

 Analytical results in **bold** and **shaded** indicate detected parameter exceeds a TACO Tier 1 Groundwater (GW) Remediation Objective

Italicized analytical results indicate RL for parameter is greater than a Tier 1 GW Remediation Objective

Table 5
Soil Gas Sample Analytical Results

Table 5
Soil Gas Analytical Results Table
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

			Exposure Route-Specific Values for Soil Gas (mg/m ³)				140-8365-1		140-8365-2		140-8365-3	
			Indoor Inhalation				SG-1		SG-2		SG-3	
			Diffusion & Advection		Diffusion Only*		Date:	6/8/2017	Date:	6/8/2017	Date:	6/8/2017
			Residential	Ind./Com.	Residential	Ind./Com.	Qualifer	Result	Qualifer	Result	Qualifer	Result
METHOD TO-15 VOLATILE ORGANIC PARAMETERS	CAS #	Analytical Parameter										
	71-55-6	1,1,1-Trichloroethane	6,600	41,000	770,000	870,000	U	0.0044	U	0.0044		0.0055
	79-00-5	1,1,2-Trichloroethane	170,000	170,000	170,000	170,000	U	0.0044	U	0.0044	U	0.0044
	75-34-3	1,1-Dichloroethane	690	4,200	81,000	500,000	U	0.0032	U	0.0032		0.10
	75-35-4	1,1-Dichloroethene	240	1,600	27,000	160,000	U	0.0032	U	0.0032	U	0.0032
	120-82-1	1,2,4-Trichlorobenzene	5.4	25	800	4,300	U	0.030	U	0.030	U	0.030
	106-93-4	1,2-Dibromoethane (EDB)	0.0078	0.048	1.1	7.9	U	0.0061	U	0.0061	U	0.0061
	95-50-1	1,2-Dichlorobenzene (o - Dichlorobenzene)	290	1,700	11,000	11,000	U	0.0048	U	0.0048	U	0.0048
	107-06-2	1,2-Dichloroethane (Ethylene dichloride)	0.099	0.81	10	76	U	0.0032	U	0.0032		0.0048
	78-87-5	1,2-Dichloropropane	0.31	2.3	36	260	U	0.0037	U	0.0037	U	0.0037
	106-46-7	1,4-Dichlorobenzene (p - Dichlorobenzene)	1,200	6,800	8,400	8,400	U	0.0048	U	0.0048	U	0.0048
	78-93-3	2-Butanone (Methyl ethyl ketone, MEK)	6,400	40,000	380,000	380,000	U	0.012		0.014		0.015
	91-57-6	2-Methylnaphthalene	530	530	530	530	U	0.058	U	0.058	U	0.058
	67-64-1	Acetone	750,000	750,000	750,000	750,000	U	0.048		0.11		0.15
	71-43-2	Benzene	0.37	2.8	41	300	U	0.0026		0.012		0.076
	75-27-4	Bromodichloromethane (Dichlorobromomethane)	450,000	450,000	450,000	450,000	U	0.0054	U	0.0054	U	0.0054
	75-25-2	Bromoform	11	52	1,800	13,000	U	0.0083	U	0.0083	U	0.0083
	71-36-3	Butanol	29,000	29,000	29,000	29,000	U	0.024		0.025	U	0.024
	75-15-0	Carbon disulfide	780	5,300	81,000	500,000		0.0064		0.054		0.048
	56-23-5	Carbon tetrachloride	0.21	1.5	24	180	U	0.0050	U	0.0050	U	0.0050
	108-90-7	Chlorobenzene (Monochlorobenzene)	69	420	8,300	51,000	U	0.0037	U	0.0037	U	0.0037
	124-48-1	Chlorodibromomethane (Dibromochloromethane)	57,000	57,000	57,000	57,000	U	0.0068	U	0.0068	U	0.0068
	67-66-3	Chloroform	0.11	0.92	12	87	U	0.0039	U	0.0039	U	0.0039
	156-59-2	cis-1,2-Dichloroethene	1,100,000	1,100,00	1,100,000	1,100,00	U	0.0032		0.0058	U	0.0032
	10061-01-5	cis-1,3-Dichloropropene	0.9	6.2	110	830	U	0.0036	U	0.0036	U	0.0036
	75-71-8	Dichlorodifluoromethane	270	1,700	32,000	200,000	U	0.0040	U	0.0040		0.011
	100-41-4	Ethylbenzene	1.3	9.3	150	1,100	U	0.0035		0.014		0.067
	98-82-8	Isopropylbenzene (Cumene)	600	3,500	30,000	30,000	U	0.0079	U	0.0079	U	0.0079
	179601-23-1	m,p-Xylenes	130	820	16,000	52,000		0.0068		0.025		0.028
	74-83-9	Methyl bromide (Bromomethane)	6.9	42	830	5,100	U	0.0031	U	0.0031	U	0.0031
	1634-04-4	Methylene chloride (Dichloromethane)	5.6	45	590	4,400		0.0075	U	0.0069		0.013
	75-09-2	Methyl-tert-butyl ether	3,700	24,000	420,000	1,200,000	U	0.014	U	0.014	U	0.014
	91-20-3	Naphthalene	0.11	0.75	14	100	U	0.010	U	0.010	U	0.010
	95-47-6	o-Xylene	120	790	14,000	41,000	U	0.0035		0.018		0.015
	123-91-1	p-Dioxane	0.22	2.3	15	110	U	0.0072	U	0.0072	U	0.0072
	100-42-5	Styrene	1,400	8,500	34,000	34,000	U	0.0034	U	0.0034		0.0049
	127-18-4	Tetrachloroethene (Perchloroethene)	0.55	4.0	66	490	U	0.0054	U	0.0054		0.014
	108-88-3	Toluene	6,200	40,000	140,000	140,000		0.0057		0.026		0.028
	156-60-5	trans-1,2-Dichloroethene	85	510	10,000	63,000	U	0.0032	U	0.0032	U	0.0032
	10061-02-6	trans-1,3-Dichloropropene	0.9	6.2	110	830	U	0.0036	U	0.0036	U	0.0036
	79-01-6	Trichloroethene	1.5	12	180	1,300	U	0.0021		0.0071		0.0048
	75-69-4	Trichlorofluoromethane	860	5,600	97,000	600,000		0.0048	U	0.0045		5.5
	108-05-4	Vinyl acetate	250	1,600	28,000	170,000	U	0.014	U	0.014	U	0.014
	75-01-4	Vinyl chloride	0.29	4.8	30	440	U	0.0010		0.0011		0.0020
	1330-20-7	Xylenes (total)	140	840	17,000	49,000		0.0069		0.043		0.043

--- Parameter not analyzed
---^c No toxicity criteria available for this route of exposure
* Indoor Inhalation groundwater remediation objectives accounting for diffusion require that contamination is greater than 5 feet vertically and horizontally from existing or proposed structures, and must be utilized in conjunction with groundwater sample results
U Analyte not detected (less than Reporting Limit or Minimum Detection Limit)
mg/m³ Remediation objectives and results reported in milligrams per cubic meter (mg/m³)
Analytical results in bold indicate detected parameter

Table 6
Exposure Route Exceedance Summary

- Table 6A - Soil Results
- Table 6B - Groundwater Results

Table 6A
Soil Results

Table 6A
Exposure Route Exceedance Summary - Soil Results
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Depth (ft bgs)	Chemical	Result (mg/kg)	Residential Ingestion	Residential Inhalation	Industrial Ingestion	Industrial Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Soil Component to Groundwater Ingestion
SB1	1.3-2.3	Benzo(a)anthracene	1.10	X						
		Benzo(b)fluoranthene	0.96	X						
		Antimony	10.30							X
		Arsenic	22.50	X		X				
		Lead	671	X						X
		Mercury	1.36						X	
SB2	2-3	Mercury	0.23						X	
		Selenium	3.18							X
SB3	0.5-1.5	Lead	329							X
		Mercury	0.33						X	
	15-16	Naphthalene	2.40						X	
SB4	0-1	Antimony	11.30							X
		Lead	241							X
		Mercury	0.67						X	
		PCBs	2.40	X		X				
SB5	2.6-3.6	Selenium	5.83							X
		PCBs	121	X		X				
	12.5-13.5	PCBs	3.00	X		X				
SB6	2-3	Dibenz(a,h)anthracene	0.25	X						
		Antimony	14.00							X
		Arsenic	17.30	X		X				
		Copper	5910	X						
		Lead	1690	X		X		X		X
		Mercury	17.80		X		X		X	X
		Selenium	2.28							X
	15-16	PCBs	210	X		X				
SB7	1-2	PCBs	34	X		X				
		Mercury	0.15						X	
SB8	1-2	Arsenic	13.10	X		X				
		Lead	196							X
		Mercury	0.21						X	
		PCBs	69	X		X				
SB9	0-1	Lead	364							X
		Mercury	0.86						X	
		PCBs	2.45	X		X				
	11-12	PCBs	14.20	X		X				
SB10	0-1	Antimony	10.30							X
		Arsenic	24.80	X		X				
		Lead	1210	X		X		X		X
		Mercury	3.98						X	
		Zinc	45200	X						
		PCBs	310	X		X				
	11-12	Lead	414	X						X
		Mercury	0.98						X	
SB11	1-2	PCBs	2.60	X		X				
		Benzo(a)anthracene	3.80	X						X
		Benzo(b)fluoranthene	2.90	X						
		Benzo(a)pyrene	1.90	X		X				
		Bis(2-ethylhexyl)phthalate	150	X						
		Carbazole	0.93							X
		Dibenz(a,h)anthracene	0.23	X						
		Antimony	4670	X		X		X		X
		Arsenic	261	X		X		X		X
		Lead	93400	X		X		X		X
		Mercury	42.8	X	X		X		X	X
		Selenium	16.40							X
		PCBs	28	X		X				

Table 6A
Exposure Route Exceedance Summary - Soil Results
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Depth (ft bgs)	Chemical	Result (mg/kg)	Residential Ingestion	Residential Inhalation	Industrial Ingestion	Industrial Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Soil Component to Groundwater Ingestion
SB12	0-1	Naphthalene	5.40						X	
		Benzene	0.20							X
		Antimony	14.8							X
		Arsenic	24.3	X		X				
		Copper	11800	X				X		
		Lead	1590	X		X		X		X
		Mercury	5.25						X	
		PCBs	5.20	X		X				
	8-9	Xylenes	54						X	
SB13	1-2	Benzo(a)anthracene	1.5	X						
		Benzo(b)fluoranthene	1.3	X						
		Arsenic	12.20	X		X				
		Lead	328							X
		Mercury	0.43						X	
		Selenium	6.32							X
		PCBs	1.58	X		X				
SB14	0-1	Lead	413	X						X
		Mercury	0.97						X	
		Selenium	3.39							X
		PCBs	10.20	X		X				
SB16	1-2	Benzo(a)anthracene	4.10	X						X
		Benzo(b)fluoranthene	4.50	X						
		Benzo(a)pyrene	3.20	X		X				
		Dibenz(a,h)anthracene	0.51	X						
		Indeno(1,2,3-cd)pyrene	1.60	X						
		Antimony	34.5	X						X
		Arsenic	57.9	X		X				X
		Lead	8270	X		X		X		X
		Mercury	17.2		X		X		X	X
		Selenium	4.16							X
		PCBs	90	X		X				
SB17	0-1	Benzo(a)anthracene	1.1	X						
		Benzo(b)fluoranthene	1.3	X						
		Benzo(a)pyrene	1	X		X				
		Dibenz(a,h)anthracene	0.2	X						
		Indeno(1,2,3-cd)pyrene	0.98	X						
		Antimony	20.9							X
		Arsenic	70.6	X		X		X		X
		Lead	3830	X		X		X		X
		Mercury	26.4	X	X		X		X	X
		Selenium	2.43							X
		PCBs	189	X		X				
	14-15	Mercury	0.21						X	
SB18	2-3	Mercury	0.293						X	
	6-7	Mercury	0.114						X	
	14-15	PCBs	10.4	X		X				
	16-17	PCBs	8.44	X		X				
SB19	0-1	Antimony	6.55							X
		Lead	242							X
		Mercury	0.337						X	
	2-3	Antimony	12.3							X
		Copper	13100	X				X		
		Lead	12900	X		X		X		X
		Mercury	5.56						X	
		Selenium	5.33							X
		PCBs	600	X		X				

Table 6A
Exposure Route Exceedance Summary - Soil Results
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Depth (ft bgs)	Chemical	Result (mg/kg)	Residential Ingestion	Residential Inhalation	Industrial Ingestion	Industrial Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Soil Component to Groundwater Ingestion
SB19	4-5	Antimony	7.69							X
		Lead	892	X		X		X		X
		Mercury	4.35						X	
		PCBs	209	X		X				
	6-7	Mercury	0.135						X	
		PCBs	9.56	X		X				
	8-9	Antimony	7.36							X
		Lead	499	X						X
		Mercury	7.44						X	X
	10-11	PCBs	72.7	X		X				
SB20	0-1	Antimony	7.17							X
		Copper	3100	X						
		Lead	344							X
		Mercury	0.53						X	
	2-3	Antimony	29.5							X
		Arsenic	15.1	X		X				
		Lead	1490	X		X		X		X
		Mercury	4.99						X	
SB21	0-1	Mercury	0.199						X	
		Antimony	6.55							X
		Lead	217							X
	2-3	Mercury	0.906						X	
		Arsenic	34.3	X		X				X
		Lead	268							X
	4-5	Mercury	0.119						X	
		Antimony	181	X				X		X
		Lead	1780	X		X		X		X
		Mercury	46.9	X	X		X		X	X
		PCBs	7310	X		X				
	10-11	PCBs	385	X		X				
	12-13	PCBs	73.4	X		X				
	16-17	PCBs	37	X		X				
SB22	0-1	Antimony	7.4							X
		Lead	843	X		X		X		X
		Mercury	0.597						X	
	2-3	Mercury	0.129						X	
	4-5	Mercury	0.139						X	
SB23	0-1	Mercury	0.274						X	
SB24	0-1	Antimony	46.6	X						X
		Arsenic	14.4	X		X				
		Copper	18100	X				X		
		Lead	2320	X		X		X		X
		Mercury	1.6						X	
	2-3	Arsenic	15.2	X		X				
		Lead	163							X
		Mercury	0.464						X	
	4-5	Antimony	6.22							X
		Mercury	0.66						X	
SB25	0-1	Antimony	7.26							X
		Lead	1200	X		X		X		X
		Mercury	1.06						X	
	2-3	Arsenic	17.8	X		X				
		Lead	163							X
		Mercury	0.349						X	

Table 6A
Exposure Route Exceedance Summary - Soil Results
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Depth (ft bgs)	Chemical	Result (mg/kg)	Residential Ingestion	Residential Inhalation	Industrial Ingestion	Industrial Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Soil Component to Groundwater Ingestion
SB26	0-1	Antimony	173	X				X		X
		Arsenic	71.9	X		X		X		X
		Lead	6950	X		X		X		X
		Mercury	4.01						X	
		PCBs	1.72	X		X				
	2-3	Antimony	43.3	X						X
		Arsenic	40.4	X		X				X
		Lead	2130	X		X		X		X
		Mercury	2.27						X	
		Selenium	5.28							X
	4-5	Antimony	7.13							X
		Lead	410	X						X
		Mercury	0.459						X	
SB27	0-1	Antimony	8.88							X
		Arsenic	18.5	X		X				
		Lead	921	X		X		X		X
		Mercury	2.39						X	
		PCBs	15.7	X		X				
	2-3	Mercury	0.118						X	
	4-5	Mercury	0.41						X	
		PCBs	4.91	X		X				
SB28	0-1	Antimony	8.98							X
		Lead	702	X				X		X
		Mercury	2.95						X	
		PCBs	15.44	X		X				
	4-5	Mercury	0.114						X	
SB29	0-1	Antimony	20.6							X
		Arsenic	16.1	X		X				
		Copper	4830	X						
		Lead	1260	X		X		X		X
		Mercury	2.67						X	
		PCBs	3.98	X		X				
	4-5	Lead	343							X
		PCBs	1.84	X		X				
SB30	0-1	Benzene	0.237							X
		Antimony	13.2							X
		Arsenic	12.6	X		X				
		Lead	530	X						X
		Mercury	0.68						X	
SB31	0-1	Lead	166							X
		Mercury	0.255						X	
		PCBs	2.58	X		X				
	4-5	PCBs	3.48	X		X				
SB32	0-1	Antimony	15.5							X
		Lead	600	X						X
		Mercury	0.722						X	
		PCBs	2.11	X		X				
SB33	0-1	Antimony	12.8							X
		Copper	4560	X						
		Lead	2290	X		X		X		X
		Mercury	2.4						X	
		PCBs	8.38	X		X				
		Benzene	0.243							X
		1,2-Dichloropropane	0.108							X
		1,1,2-Trichloroethane	4.16							X
		Xylenes	51.6						X	
	2-3	Benzene	0.0713							X
	4-5	Mercury	0.367						X	

Table 6A
Exposure Route Exceedance Summary - Soil Results
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Depth (ft bgs)	Chemical	Result (mg/kg)	Residential Ingestion	Residential Inhalation	Industrial Ingestion	Industrial Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Soil Component to Groundwater Ingestion
SB34	0-1	Antimony	8.97							X
		Lead	523	X						X
		Mercury	1.74						X	
	2-3	Pentachlorophenol	0.675							X
		Benzene	0.246							X
		trans-1,3-Dichloropropene	0.056							X
		1,1,2-Trichloroethane	0.124							X
		Xylenes	8.01						X	
		Antimony	37	X						X
		Arsenic	11.6	X		X				
		Lead	961	X		X		X		X
		Mercury	0.676						X	
SB35	0-1	Antimony	15							X
		Arsenic	14.7	X		X				
		Lead	1340	X		X		X		X
		Mercury	14.4		X				X	X
		Selenium	3.34							X
	2-3	Antimony	6.2							X
		Arsenic	19.4	X		X				
		Lead	433	X						X
		Mercury	1.34						X	
		PCBs	11.6	X		X				
	4-5	Antimony	11.6							X
		Lead	2030	X		X		X		X
		Mercury	6.4						X	
		Selenium	4.82							X
	6-7	Arsenic	16.9	X		X				
		Lead	112							X
		Mercury	0.13						X	
SB36	0-1	Antimony	7.81							X
		Arsenic	12.6	X		X				
		Lead	350							X
		Mercury	1.4						X	
		PCBs	1.61	X		X				
	2-3	Antimony	11.6							X
		Arsenic	13.6	X		X				
		Lead	1630	X		X		X		X
		Mercury	3.67						X	
SB37	0-1	PCBs	6.67	X		X				
		Antimony	9.4							X
		Lead	233							X
	2-3	Mercury	0.52						X	
		Arsenic	32.8	X		X				X
		Lead	1940	X		X		X		X
SB38	0-1	Mercury	0.59						X	
		Antimony	7.15							X
		Lead	468	X						X
		Mercury	0.917						X	
SB39	0-1	PCBs	1.81	X		X				
		Antimony	19.2							X
		Lead	810	X		X		X		X
		Mercury	2.61						X	
	2-3	PCBs	1.38	X		X				
		Mercury	0.522						X	
	4-5	Antimony	6.14							X
		Lead	293							X
		Mercury	0.573						X	

Table 6A
Exposure Route Exceedance Summary - Soil Results
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Depth (ft bgs)	Chemical	Result (mg/kg)	Residential Ingestion	Residential Inhalation	Industrial Ingestion	Industrial Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Soil Component to Groundwater Ingestion
SB40	0-1	Mercury	0.256						X	
	2-3	Arsenic	37	X		X				X
		Mercury	0.399						X	
	4-5	Mercury	0.279						X	
SB41	0-1	Antimony	7.12							X
		Arsenic	12	X		X				
		Lead	667	X						X
		Mercury	1.32						X	
SB42	0-1	Antimony	2970	X		X		X		X
		Arsenic	194	X		X		X		X
		Lead	81800	X		X		X		X
		Mercury	2.28						X	
	4-5	PCBs	5.72	X		X				
		Antimony	5.03							X
		Lead	286							X
		Mercury	0.765						X	
SB43	0-1	PCBs	5.9	X		X				
		Antimony	10							X
		Arsenic	46.6	X		X				X
		Lead	1320	X		X		X		X
		Mercury	1.39						X	
SB44	0-1	PCBs	49.2	X		X				
		Arsenic	12.9	X		X				
		Lead	356							X
		Mercury	1.41						X	
	2-3	PCBs	2.717	X		X				
	4-5	PCBs	11.5	X		X				
SB45	0-1	PCBs	1.749	X		X				
		Lead	167							X
	2-3	Mercury	1.13						X	
		Mercury	0.269						X	
	8-9	PCBs	23.2	X		X				
		Mercury	0.12						X	
	14-15	PCBs	2.76	X		X				
SB46	0-1	PCBs	8.11	X		X				
		PCBs	16.6	X		X				
		Antimony	29.5							X
		Arsenic	16.8	X		X				
		Lead	3230	X		X		X		X
		Mercury	2.1						X	
	2-3	Selenium	1.41							X
SB47	0-1	PCBs	48.5	X		X				
		Lead	5530	X		X		X		X
		Antimony	30.4							X
		Lead	626	X						X
SB48	0-1	Mercury	0.35						X	
		PCBs	15.2	X		X				
		PCBs	1.63	X		X				
		PCBs	19.4	X		X				
	2-3	Lead	115							X
		Mercury	0.178						X	
		PCBs	11.7	X		X				
	8-9	PCBs	5.173	X		X				
	12-13	PCBs	4.15	X		X				
	14-15	PCBs	4.32	X		X				
	16-17	PCBs	11.4	X		X				

Table 6A
Exposure Route Exceedance Summary - Soil Results
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Depth (ft bgs)	Chemical	Result (mg/kg)	Residential Ingestion	Residential Inhalation	Industrial Ingestion	Industrial Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Soil Component to Groundwater Ingestion
SB49	2-3	PCBs	1.52	X		X				
	4-5	Lead	218							X
		PCBs	7.01	X		X				
SB50	2-3	Antimony	60.2	X						X
		Arsenic	19.2	X		X				
		Lead	6570	X		X		X		X
	4-5	Lead	110							X
	8-9	PCBs	5.58	X		X				
	12-13	PCBs	2.49	X		X				
	14-15	PCBs	1.14	X		X				
	18-19	PCBs	1.01	X		X				
SB52	2-3	Antimony	7.36							X
		Arsenic	20.7	X		X				
		Lead	347							X
		Mercury	0.879						X	
		PCBs	3.17	X		X				
SB53	0-1	Antimony	6.25							X
		Arsenic	48	X		X				X
		Lead	151							X
		Mercury	0.112						X	
		PCBs	1.32	X		X				
	2-3	Antimony	6.81							X
		Arsenic	47.9	X		X				X
		Lead	147							X
		Mercury	0.123						X	
		PCBs	4.62	X		X				
	4-5	Antimony	6.37							X
		Arsenic	21.6	X		X				
		Lead	151							X
		Mercury	0.143						X	
	6-7	Mercury	0.134						X	
		Arsenic	12.1	X		X				
		PCBs	1.502	X		X				
	10-11	Antimony	222	X				X		X
		Arsenic	15.8	X		X				
		Lead	14800	X		X		X		X
		Mercury	8.53						X	X
		PCBs	75.1	X		X				
SB54	0-1	Lead	108							X
		Mercury	0.426						X	
	2-3	Lead	316							X
		Mercury	0.757						X	
SB55	0-1	Lead	180							X
		Mercury	17.5		X		X		X	X
SB56	0-1	Antimony	201	X				X		X
		Arsenic	33	X		X				X
		Lead	3430	X		X		X		X
		Mercury	19.1		X		X		X	X
		PCBs	14.2	X		X				
	2-3	Antimony	8.17							X
		Arsenic	17.2	X		X				
		Lead	856	X		X		X		X
		Mercury	1.52						X	

Table 6A
Exposure Route Exceedance Summary - Soil Results
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Depth (ft bgs)	Chemical	Result (mg/kg)	Residential Ingestion	Residential Inhalation	Industrial Ingestion	Industrial Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Soil Component to Groundwater Ingestion
SB57	0-1	Antimony	14.5							X
		Lead	1340	X		X		X		X
		Mercury	6.16						X	
		PCBs	27	X		X				
	2-3	Antimony	742	X				X		X
		Arsenic	25.1	X		X				
		Lead	6000	X		X		X		X
		Mercury	3.23						X	
		PCBs	8.21	X		X				
	4-5	Mercury	0.266						X	
SB58	0-1	Antimony	54.9	X						X
		Arsenic	17.2	X		X				
		Lead	1770	X		X		X		X
		Mercury	3.29						X	
		PCBs	5.62	X		X				
	2-3	Lead	290							X
		Mercury	10.2		X				X	X

Table 6B
Groundwater Results

Table 6B
Exposure Route Exceedance Summary - Groundwater Results
Former Dixon Iron & Metal Company
78 Monroe Avenue, Dixon, IL

Sample location	Date	Chemical	Result (mg/L)	Groundwater Ingestion	Residential Inhalation	Industrial Inhalation
MW1	6/13/17	Ethylbenzene	0.83	X	X	
		2-methylnaphthalene	0.13	X		
		Naphthalene	0.29	X	X	
		Manganese	1.51	X		
MW3	6/13/2017	Manganese	0.908	X		
		PCBs, total	0.00195	X		
	8/2/2018	PCBs, total	0.00353	X		
MW4	6/13/2017	Manganese	0.845	X		

Appendices

Appendix A

Legal Description

EXHIBIT A

PARCEL 1:

All that part of Lots 1, 2 and 3 in Block 9, in the Town (now City) of Dixon, which lies North of the Northerly boundary line of the right of way of the railroad used for switch track purposes which crosses said block, reference being had to the Plat of the Town of Dixon, recorded in the Recorder's Office of Lee County, Illinois; (Also known as Lots 9 and 10 Assessor's Plat No. 13); ALSO part of Monroe Avenue in the City of Dixon, County of Lee, State of Illinois, described as follows: Commencing at the intersection of the Easterly line of Monroe Avenue with the Southerly line of Rock River, thence Southerly along the Westerly line of Lot Three (3) in Block Nine (9) in the original Town of Dixon to the intersection thereof with the Northerly Right of Way line of the Chicago and Northwestern Railroad Right of Way; thence Westerly along the Northerly Right of Way line 70 feet, more or less, to the Southeasterly corner of Lot Eleven (11) according to Assessor's Plat No. 13; thence Northerly along the Easterly line of said Lot Eleven (11) to the Southerly line of the Rock River; thence Easterly to the Point of Beginning, all situated in the County of Lee and State of Illinois.

PARCEL 2:

Lot 11 of Assessor's Plat # 13 in the Northwest Fractional Quarter of Section Five (5), Township Twenty-one (21) North, Range Nine (9) East of the Fourth Principal Meridian according to plat thereof recorded February 12, 1916 in Book "B" of Plats, on page 25 in Lee County, Illinois, all situated in the County of Lee and State of Illinois.

PARCEL 3:

That part of Lot Number Three (3) in Block Number Nine (9) in the Original Town (now City) of Dixon, lying South of the right of way of the joint switch track of the Chicago and Northwestern Railroad and the Illinois Central Railroad, EXCEPTING the South 185 feet of said Lot Number Three (3), all situated in the County of Lee and State of Illinois.

PARCEL 4:

The Northerly Seventy-five (Nly. 75) feet of the Southerly One Hundred Eighty-five (Sly. 185) feet of Lot Number Three (3), Block Number Nine (9) in the Town (now City) of Dixon, all situated in the County of Lee and State of Illinois.

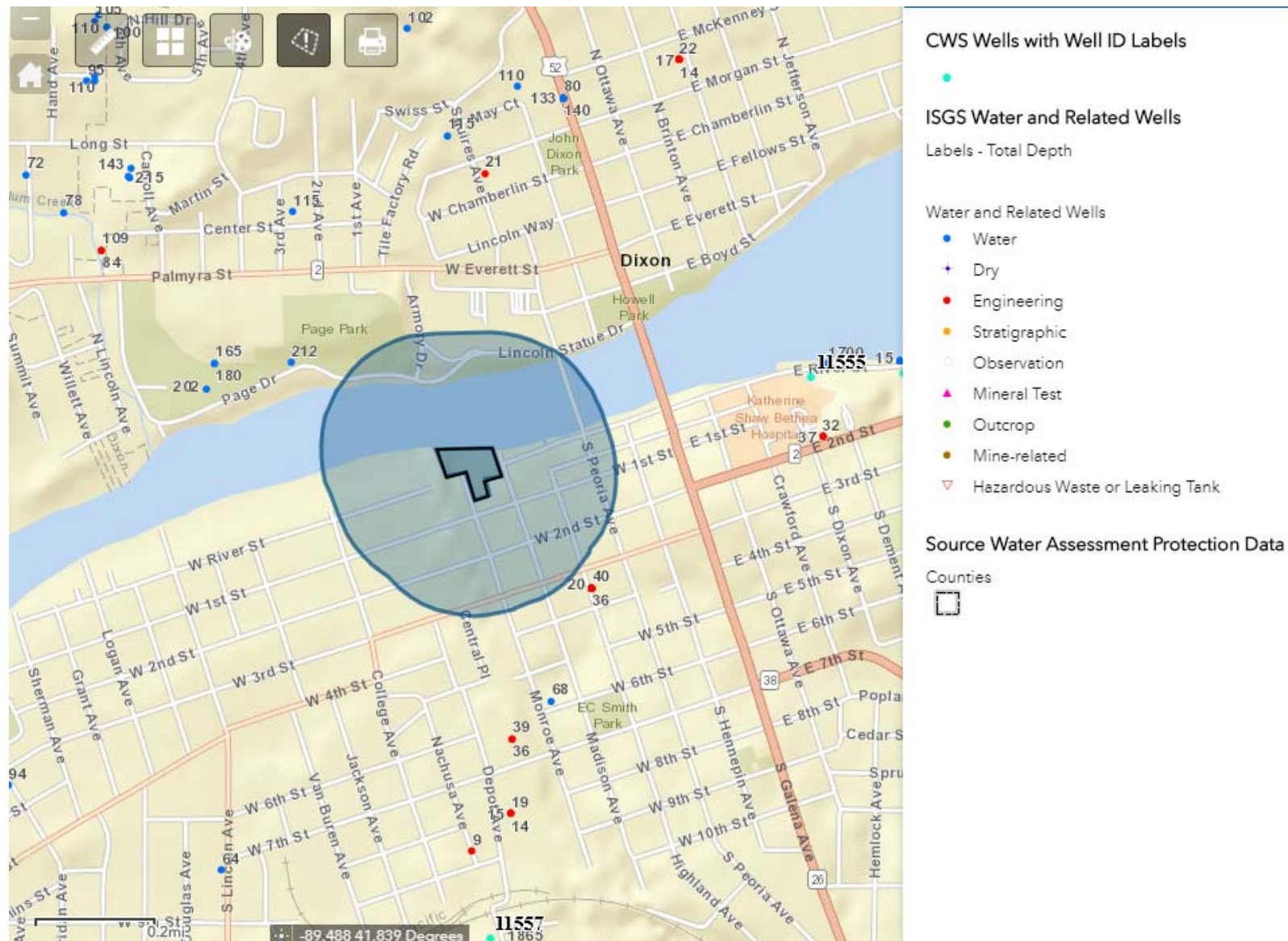
PARCEL 5:

A part of Lots Number One (1) and Two (2) in Block Number Nine (9) in the Town (now City) of Dixon in Lee County, Illinois, according to the recorded plat of said Town of Dixon recorded in the Recorder's Office of said Lee County, bounded and described as follows, to-wit: Commencing at a point on the Easterly line of said Lot One, in said Block, 215 feet Northerly from the Southeast corner of said Lot One; thence Northerly, along said Easterly line of said Lot 1, 100 feet; thence at right angles Westerly on a line parallel with the Southerly line of said Block Nine (9), 200 feet to the West line of said Lot Two (2); thence Southerly on said Westerly line 150 feet; and thence Easterly on a line parallel with the Southerly line of said Block Nine (9), 50 feet; thence Northerly parallel with the Westerly line of said Lot Two (2), 50 feet; thence Easterly parallel with the Southerly line of said Block Nine (9), 150 feet to the Place of Beginning, all situated in the County of Lee and State of Illinois.

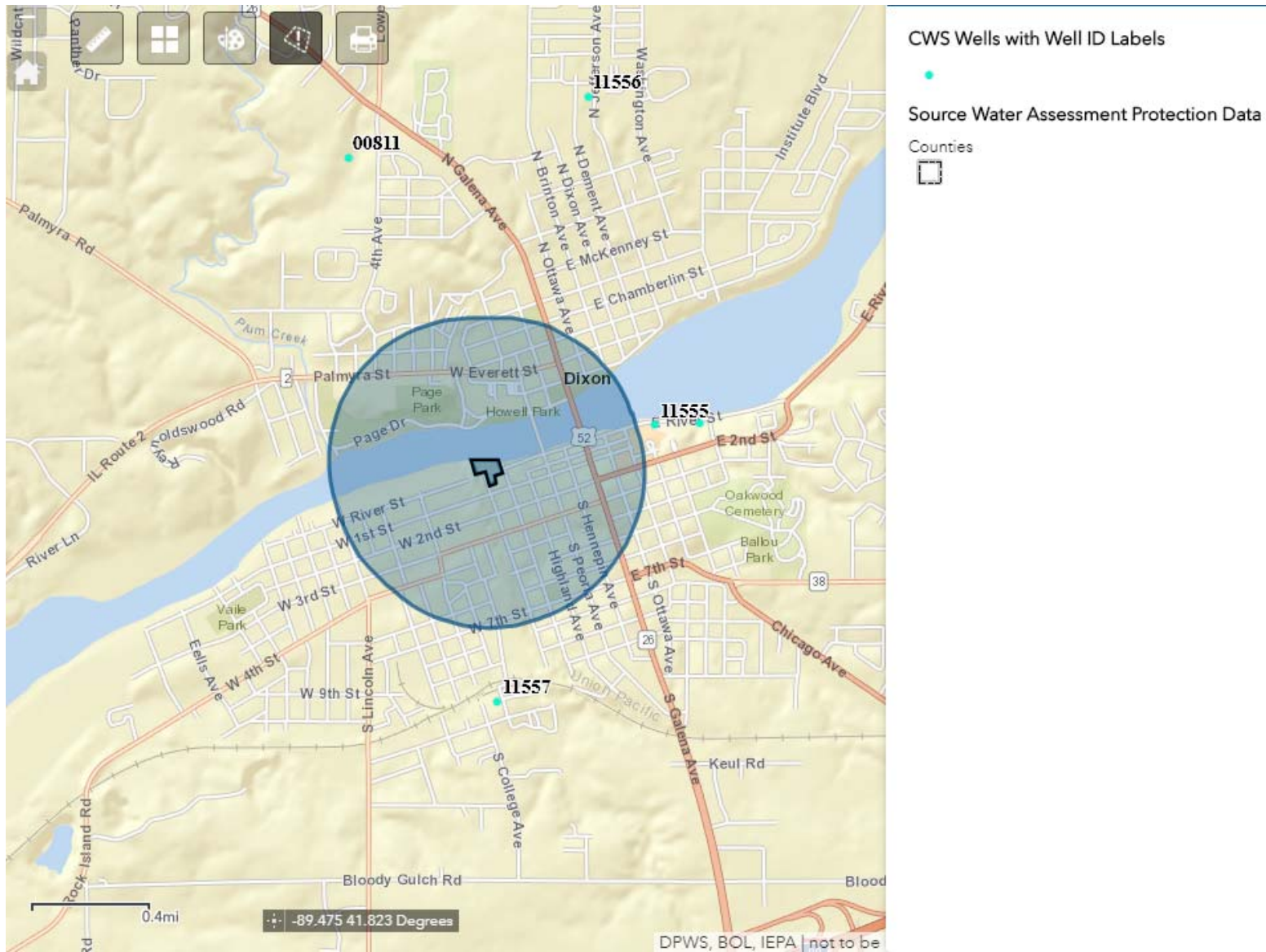
Appendix B

Potable Water Well Survey Documentation

Illinois EPA SWAP - Water Wells; 1,000 ft radius



Illinois EPA SWAP - Community Water Supply Wells; 2,500 ft radius



Annie Ray

From: DPH.FOIA <DPH.FOIA@Illinois.gov>
Sent: Tuesday, September 18, 2018 1:47 PM
To: Annie Ray
Subject: Regarding Freedom of Information Request 1905315570
Attachments: 1905315570 Responsive Record.xls

Dear Ms. Ray,

Please find below the Department's response to your FOIA request for water well records for the described property.

The Department's Division of Environmental Health can perform a record search on any well which is classified a non-community public water supply. A non-community public water supply is non-residential and serves at least 25 or more individuals. Staff searched the records and found the attached list of non-community water supplies with an address of Dixon, IL.

The Division does not retain information on community water wells, semi-private or private water wells (those wells owned by individuals). Information regarding these wells may be obtained by contacting the Illinois State Water Survey, 2204 Griffith Drive, Champaign, IL 61820, telephone 217-333-9043.

Please go to the DPH Drinking Water Watch website for water sample data: <http://163.191.83.31/dwwph/index.jsp>.

Best,

Heather V. Kimmons

Deputy General Counsel and Ethics Officer

Temporary Acting FOIA Officer (for Will Bryan, 9-12-18 through 9-28-18)

Illinois Department of Public Health

535 W. Jefferson Street

Springfield, IL 60603

(217) 785-9209

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ID #	NAME	ACTIVE OR INACTIVE	ADDRESS	CITY	ZIP
IL3013912	SHERIDANS WALTON TAP	A	906 WALTON ROAD	DIXON	61021
IL3013961	WHITE HOUSE RESTAURANT	I	641 PALMYRA ROAD	DIXON	61021
IL3013979	THAT PLACE ON PALMYRA	A	628 PALMYRA ROAD	DIXON	61021
IL3016360	HWY #26-S REST AREA	I	RR (GREEN RIVER AREA)	DIXON	61021
IL3016923	REYNOLDSWOOD CHRISTIAN CAMP	I	621 REYNOLDSWOOD RD	DIXON	61021
IL3017186	LOST NATION GOLF CLUB	A	6931 LOST NATION ROAD	DIXON	61021
IL3017319	REYNOLDSWOOD CHRISTIAN CAMP (17319)	A	6211 REYNOLDSWOOD RD	DIXON	61021
IL3017327	TIMBER CREEK GOLF, LLC	A	729 TIMBER CREEK RD	DIXON	61021
IL3017566	ROCK RIVER BIBLE CAMP	A	918 BEND RIVER RD	DIXON	61021
IL3036103	LOWELL PARK	I	RR	DIXON	61021
IL3045369	BRANDYWINE BANQUET FACILITY	A	441 ILLINOIS ROUTE 2	DIXON	61021
IL3098061	CATALINAS TAVERN	A	8288 IL RT 2 RFD 3	DIXON	61021
IL3104489	DIXON PUBLIC SCH-GRAND DETOUR	I	1335 FRANKLIN GROVE RD	DIXON	61021
IL3104521	THE KOUNTRY KORNER	I	RT 26 & 30	DIXON	61021
IL3104646	PLUM HOLLOW FITNESS CENTER	A	1933 IL ROUTE 26	DIXON	61021
IL3104653	PORKYS	A	1315 E RIVER RD	DIXON	61021
IL3106138	KREIDER SERVICES	I	1153 S ELDENA RD	DIXON	61021
IL3106195	JOHN DEERE HISTORIC SITE	A	8334 SOUTH CLINTON	DIXON	61021
IL3106260	LOWELL PARK COMFORT STATION	A	2114 LOWELL PARK ROAD	DIXON	61021
IL3112045	HECKMANS ISLND %WAYNE HECKMAN	A	579 RIVER LANE	DIXON	61021
IL3114215	DIXON V.F.W.	A	1560 FRANKLIN GROVE ROAD	DIXON	61021
IL3115022	LOWELL PARK NATURE CENTER	A	804 PALMYRA STREET	DIXON	61021
IL3117317	EXPRESS LANE GAS & FOOD MART	A	8120 IL RT 2 S	DIXON	61021
IL3117887	SAUK VALLEY COLLEGE	A	173 IL RT 2	DIXON	61021
IL3118968	MAGNUSON HOTEL	A	443 IL ROUTE 2	DIXON	61021
IL3119537	FAITH CHRISTIAN SCHOOL / HIGH SCHOOL	A	7571 SOUTH RIDGE ROAD	DIXON	61021
IL3122622	DIXON ELKS PAGE PARK	A	LOWELL PARK ROAD	DIXON	61021
IL3133744	ALLIED LOCKE IND GREEN RIVER I	A	PO BOX 509	DIXON	61021
IL3153130	LOWELL PARK WOODCOTE LODGE	A	2114 LOWELL PARK RD	DIXON	61021
IL3157982	NORTHERN IL CANCER TREATMENT	A	327 IL ROUTE 2	DIXON	61021
IL3159053	FAITH CHRISTIAN SCHOOL / ELEMENTARY SCH	A	3886 WISCONSIN STREET	DIXON	61021

Domestic Wells Database

Domestic Wells Database

Records for Lee county, 21N township, 09E range, 05 section.

<u>Well ID</u>	<u>Plot</u>	<u>Depth</u>	<u>Record Type</u>	<u>Well Use</u>	<u>Well Type</u>	<u>Aquifer Type</u>	<u>Driller</u>	<u>Date Drilled</u>	<u>Static Level</u>	<u>Pumping Level</u>	<u>Pumping GPM</u>	<u>Pumping Hours</u>	<u>ISGS No.</u>
85639		217	C	DO	NR	NR		1937					
Owner: M S Shaw													
85646		80	RG	DO	~	~							
Owner: B F Shaw													
85657	4C	145	O	DO	NR	NR	R DRESDEN AND SON	1948					
Owner: Eichler													
456623	1H		A	DO	DL		ALAN OLSON	//					
Owner: Kevin Consindine													

[Search for a different Section](#)

If this page does not print correctly, change your browser's layout mode to landscape.

Please view our [Data Disclaimer](#), [Water Well Records Policies and Procedures](#), and [Plot Location System](#).

Column headings link to data explanations.

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| [Domestic Wells Database Home](#) |

Illinois State Water Survey

2204 Griffith Dr., MC-674
Champaign, IL 61820-7463
217-244-5459
[Email us](#)

Email the [Web Administrator](#) with questions or comments.

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LEE 21V 9E-5

Lee

May 25, 1937

BOILER WATER ANALYSIS

Sample of water collected April 29, 1937 from a well owned by Mable S. Shaw, Dixon, Illinois. Location of well: 100 Dement Avenue.
Depth: 217'.

LABORATORY NO. 81205

Determinations Made			Hypothetical Combinations			
		Pts.per million			Pts.per million	Grs.per million gallon
Iron	Fe					
	(Filtered)	0.0	Sodium Nitrate	NaNO ₃	30.6	1.78
	(Unfiltered)	0.4	Sodium Chloride	NaCl	19.3	1.12
Manganese	Mn	0.0	Magnesium Chloride	MgCl ₂	21.9	1.28
Silica	SiO ₂	10.0	Magnesium Sulfate	MgSO ₄	189.0	11.03
Turbidity		2.0	Magnesium Carbonate	MgCO ₃	28.2	1.64
Odor		E 1	Calcium Carbonate	CaCO ₃	252.6	14.74
Calcium	Ca	101.0	Silica	SiO ₂	10.0	0.58
Magnesium	Mg	51.8	Total		551.6	32.17
Sodium	Na	15.9				
Sulfate	SO ₄	150.6				
Nitrate	NO ₃	22.1				
Chloride	Cl	28.0				
Alkalinity as CaCO ₃						
Phenolphthalein		0.0				
Methyl Orange		286.0				
Residue		616.0				
Total Hardness		466.0				

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL*DR

P85639

May 25, 1937

CHEMICAL OPINION
LABORATORY NO. 81205

The chemical analysis of the water drawn from the 217' well owned by Mable S. Shaw, Dixon, shows it to be moderately mineralized and very hard.

This water would consume an exceptionally large amount of soap and would produce a large amount of hard scale in boilers and hot water heaters.

Also, it might be somewhat corrosive.

Because of the iron content, the water would cause discoloration of porcelain ware, etc.

The chemical quality of the water could be materially improved by proper chemical treatment. The type of treatment would depend upon the volume and intended use of the water.

Since the correspondence does not raise any particular questions concerning the mineral quality of the water this opinion has been prepared from a general form.

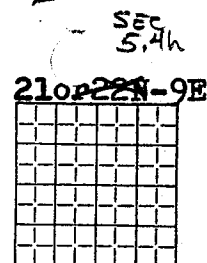
STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL*DR

P85639-02


COMPANY **Quaco Well Company** NO.
 FARM **Shaw, B. F. [PRINTING CO.]** NO.
 DATE DRILLED **1942**
 AUTHORITY **Sample Study**
 COLLECTOR _____ ELEVATION _____



Lot 3, Block 6, Dixon

→ 212 W. RIVER ST.,
DIXON

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
	Studied by M. P. Meyer, October 1947				
	PLEISTOCENE SYSTEM				
	No samples	38		38	
	ORDOVICIAN SYSTEM				
	Platteville dolomite				
	Dolomite, yellow, very fine to fine, brown shale partings	10		48	
	Dolomite, light buff, yellow, red speckled, very fine to fine	10		58	
	Dolomite, light buff, light gray, yellow, fine	20		78	
	Dolomite, light buff, gray mottled, very fine to fine, gray shale partings	15		93	

COUNTY **Lee**
 SAMPLE SET NO. **8219**
 (24159-20M-9-46) 

210p22N-9E - SEC.
N 5.4h
 ILLINOIS GEOLOGICAL SURVEY, URBANA

240

X City Dixon County Lee

X Section 5 Twp. No. 21 Range 9

each of 2 adjoining sec. lines
Location (in feet from ~~section corner~~) 600 ft South of Peoria Ave 20 ft East of River St

X Owner B.F. SHAW Printing Co Authority _____

Contractor _____ Address B.F. Shaw Printing Co.

Date drilled _____ Elev. above sea level top of well _____
River St. Dixon, Ill.

X Depth 80 ft

Log _____

Were drill cuttings saved _____ Where filed _____

Size hole _____ If reduced, where and how much _____

Casing record Not known - 6 inch casing at surface

Distance to water when not pumping _____ Distance to water is _____

feet after pumping at _____ G. P. M. for _____ hours.

Reference point for above measurements _____

Type of pump _____ Distance to cylinder _____

Length of cylinder _____ Length of suction pipe below cylinder _____

Length stroke _____ Speed _____

Hours used per day _____ Type of power _____

Rating of motor _____ Rating of pump in G. P. M. _____

Can following be measured: (1) Static water level No

(2) Pumping level No (3) Discharge _____

(4) Influence on other wells _____

Temperature of water _____ Was water sample collected _____

X Date Dec 5, 1952 Effect of water on meters, hot water

coils, etc. Used in operation of Printing presses where an acid solution is used.

Date of Analysis _____ Analysis No. 150762

Recorder _____

Date _____

LEE ZIN 9E-5

January 5, 1953

PARTIAL CHEMICAL ANALYSIS

Sample of water submitted December 5, 1952, from B. F. Shaw in the City of Dixon, Illinois in Lee County. Location of well: 200 feet south of Peoria Ave. 20 feet east of River Street, Section 5, Twp. No. 21, Range 9. Depth: 80 feet.

LABORATORY NO. 130762

	<u>ppm.</u>	<u>spm.</u>		<u>ppm.</u>	<u>spm.</u>
Iron (total) Fe	0.1		Chloride Cl	30.	0.85
			Alkalinity(as CaCO_3)	328.	7.56
Turbidity	0				
Color	0		Hardness (as CaCO_3)	508.	10.16
Odor	0		Total Mineral Content	566.	

ppm. = parts per million

spm. = equivalents per million

ppm. x .0583 = grains per gallon

STATE WATER SURVEY DIVISION

R. M. King, Asst. Chemist

RMK:lh

City DIXON County Lee
Section 5.4E Twp. No. 21 N Range 9E
Location (in feet from section corner) 3600 N 2300 W - of SE cor. 3rd black W 1st
Owner Eichler Authority for air conditioning
Contractor R. Dresden & Son Address P.O.
Date drilled 1948 Elev. above sea level top of well 680-
Depth 145'
Log _____
Were drill cuttings saved _____ Where filed _____
Size hole _____ If reduced, where and how much _____
Casing record _____
Distance to water when not pumping _____ Distance to water is _____
feet after pumping at _____ G. P. M. for _____ hours.
Reference point for above measurements _____
Type of pump _____ Distance to cylinder _____
Length of cylinder _____ Length of suction pipe below cylinder _____
Length stroke _____ Speed _____
Hours used per day _____ Type of power _____
Rating of motor _____ Rating of pump in G. P. M. and 45 to 50 gpm.
Can following be measured: (1) Static water level _____
(2) Pumping level _____ (3) Discharge _____
(4) Influence on other wells _____
Temperature of water _____ Was water sample collected _____
Date _____ Effect of water on meters, hot water
coils, etc. _____
Date of Analysis _____ Analysis No. _____
ave. use 150 gpd. Recorder R. H.
Date 6-5-51

Beier Bakery

75304

NOV 9 1934

City Dixon County Lee

Section N.E. 1/4 5 Twp. No. 21 N 22 E Range 9 E

Location (in feet from section corner) Sub-Lot 17 - Lot 2-3-Block 16

Owner Beier Bros. Bakery Authority _____

Contractor R. H. Wadsworth Address 228 Graham St., Dixon, Ill.

Date drilled Aug. 1 to Aug. 15-1934 Elev. above sea level top of well 650± ?

Depth 110 ft.

Log Struck very little water at 71 ft. Good vein at 96 ft.

Struck pocket at 110 ft. Rock all the way

Were drill cuttings saved No Where filed ---

Size hole 6 in If reduced, where and how much _____

Casing record 12 ft.

Distance to water when not pumping 30 ft. Distance to water is 32-33 ft.

feet after pumping at 10 gal. G. P. M. for 1 hr. hours.

Reference point for above measurements Floor level of basement - 12 ft. below street

Type of pump Pomona Turbine Distance to cylinder 45 ft.

Length of cylinder 6 Stages Length of suction pipe below cylinder 5 ft

Length stroke _____ Speed 3500

Hours used per day 8 to 12 Type of power Elec.

Rating of motor 5 horse Rating of pump in G. P. M. 50 gal.

Can following be measured: (1) Static water level No

(2) Pumping level --- (3) Discharge Yes

(4) Influence on other wells None

Temperature of water 56° Was water sample collected Yes

Date Oct. 19 - 1934 Effect of water on meters, hot water

coils, etc. Good - Leaves a blue shade in bottom of cooling tank

Date of Analysis _____ Analysis No. 75304

Recorder _____

Date NOV 9 1934

Boiler

December 3, 1934

BOILER WATER ANALYSIS

Sample of water collected from a well owned by the
Beier Bakery, Dixon, Illinois. Location of well: Sub-Lot 17 - Lot
2-3-Block 18 Section N.E. 1/4 S, Twp. No. 22, R. 9. Depth of
well: 110 ft. This is a new well.

LABORATORY NO. 75,304

Determinations made

Hypothetical Combinations

		Pts. per million			Pts. per million	Grs. per million gallon
Iron	Fe	0.0	Sodium Nitrate	NaNO ₃	45.1	2.63
Manganese	Mn	0.0	Sodium Chloride	NaCl	48.0	2.80
Silica	SiO ₂	10.0	Sodium Sulfate	Na ₂ SO ₄	7.8	0.45
Turbidity		0.0	Magnesium Sulfate	MgSO ₄	132.7	7.15
Calcium	Ca	93.4	Magnesium Carbonate	MgCO ₃	78.0	4.55
Magnesium	Mg	47.3	Calcium Carbonate	CaCO ₃	333.9	13.64
Sodium	Na	33.6	Silica	SiO ₂	10.0	0.58
Sulfate	SO ₄	103.2	Total		545.5	31.80
Nitrate	NO ₃	32.7				
Chloride	Cl	39.0				
Alkalinity as CaCO ₃						
Phenolphthalein		0.0				
Methyl Orange		326.0				
Residue		550.0				
Total Hardness		428.0				

SOFTENING REQUIREMENTS

Lime = 2.71 lbs. per 1,000 Gals.
Soda Ash = 0.95 lbs. per 1,000 Gals.

STATE WATER SURVEY DIVISION

Donald Tarvin, Chemist.

DT*GD

December 5, 1934

CHEMICAL OPINION

LABORATORY ANALYSIS NO. 75,304

The chemical analysis of this sample of water, collected from a well owned by the Beier Bakery, Dixon, Illinois, shows it to be moderately mineralized, 550 parts per million, and very hard, 428 parts per million.

The water is about the same composition as other samples collected from wells of about the same depth in this locality. This water should be satisfactory for bread making. It contains considerable dissolved mineral matter some of which should be beneficial to yeast.

For domestic or industrial purposes other than the above, this water would consume a large amount of soap, would produce a hard scale in boilers and hot water heaters. It would probably be corrosive and attack metal to some extent.

The hardness could be removed by softening.

STATE WATER SURVEY DIVISION

Donald Farvin, Chemist.

DT*GD

TOWN Dixon TOWNSHIP South Dixon

COMPANY Jonas Stultz & Son No.

FARM Standard Dairy Co. No. 5.16

AUTHORITY Summary Sample Study 21N

ELEVATION 750 T.M.

COLLECTOR DATE DRILLED 1931

CONFIDENTIAL Sample examined Aug.
1931 by D. M. Delo

Map No. 8

R. 9E

Sec.

5.16

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	No Samples	50		50	
GALENA	Dolomite, partly cherty, yellow-buff, fine to medium, crystalline, porous	45		95	
PLATTEVILLE	Dolomite, gray tinged buff, dark spots, very fine to finely crystalline, com- pact	70		165	
	Dolomite, gray buff to yellowish buff, finely crystalline, partly porous	15		180	
	Dolomite, gray tinged buff, dark bluish, finely cry- stalline, partly porous	25		205	
	Dolomite, gray tinged brown, increasingly sandy toward base, finely cry- stalline, compact	25		230	
GLENNWOOD	Sandstone, very fine, white, partly coherent	10		240	
	Sandstone, white, medium to coarse, incoherent; some shale, sandy, light green, weak, 260-265	37		277	

County Lee
T.-DRILL RECORD

Index No. 0809

Summary Sample Set No. 1141

(67727-5M-11-31) Illinois Geological Survey, Urbana.

8-21N-9E

5.16

TOWN Dixon TOWNSHIP South Dixon

COMPANY Jonas Stultz & Son No.

FARM Standard Dairy Co. No.

AUTHORITY Sample Study 21N

ELEVATION

COLLECTOR

DATE DRILLED 1931

CONFIDENTIAL Samples examined Aug.
1931 by D. M. Delo

Map No. 8

R. 9E

Sec.

5.16

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	No sample	50		50	
GALENA	1,2 Dolomite, very cherty, yellow-buff, fine to medium crystalline, partly porous, calcite inclusion (chert, white to cloudy) secondary silica	10		60	
3	Same (few black spots)	5		65	
4	Same, decrease in amount chert	5		70	
5	Same, only few fragments chert	5		75	
6 and 7	Same	10		85	
8	Dolomite, yellowish buff, gray tinged pink to pink- ish, light gray, fine black spots, fine to medium cry- stalline, partly porous	5		90	
9	Dolomite, yellowish buff and light gray spotted black as above	5		95	
PLATTEVILLE	10 Dolomite, gray, very finely crystalline, compact, dark areas of fine pyrite; little dolomite as above; fragments shale, greenish- brown, firm smooth	5		100	
11	Dolomite same, shale same,				

County Lee
T.-DRILL RECORD

Index No. 0809

Sample Set #1141

(67727-5M-11-31) Illinois Geological Survey, Urbana.

8-21N-9E

5.16

SHEET 2

T. 21N

R. 9E

S. 8

5.16

COMPANY Jonas Stultz & Son

HOLE NO.

FARM Standard Dairy Co.

HOLE NO.

No.	STRATA (CONT.)	Thickness		Depth	
		Feet	In.	Feet	In.
	brachiopod fragments	5		105	
12	Dolomite and shale as above; dolomite yellowish gray, very finely crystalline, compact; chert, white	5		110	
13	Dolomite, gray tinged buff, pinkish, dark bluish, finely crystalline, compact; fragments shale, same	5		115	
14	and 15 Dolomite, slightly cherty, gray-buff, very finely crystalline, slightly porous, few fragments dolomite, yellowish-buff	10		125	
16	Same; little shale, dark gray-brown, tough	5		130	
17	Same; much shale, very dolomitic, dark brown, black spots, tough	5		135	
18	Dolomite, same	5		140	
19	Dolomite, same; fragments shale, greenish-brown, caved; dolomite, yellowish buff, caved, chert, caved	5		145	
20	and 21 Same	10		155	
22	Dolomite, same, finely crystalline	5		160	
23	Dolomite, same	5		165	
24	to 26 Dolomite, gray buff to yellowish buff, finely crystalline, partly porous	15		180	
27	Dolomite, gray to dark buff, dark bluish, tinged buff, some yellowish-buff, finely crystalline, partly porous	10		190	
28					
29	Same; little shale, dolomite				

County Lee

Index No. 0809

T.—DRILL RECORD
(67728—5M—11-31) 7

Sample Set #1141

S. 8-21N-9E
5.16

SHEET 3

T. 21N

R. 9E

S. 8

5.16

COMPANY Jonas Stultz & Son

HOLE NO.

FARM Standard Dairy Co.

HOLE NO.

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	tic, yellow buff, weak	5		195	
30	Dolomite, partly argillaceous?, gray, dark spots, fine, compact?	5		200	
31	Dolomite, gray, black spots, fine, compact; little shale, dolomitic, yellowish-buff, weak	5		205	
32	Dolomite, same; few sand grains, medium	5		210	
33	Same	5		215	
34	Dolomite, gray tinged brown, slightly sandy, finely crystalline, compact	5		220	
35	Dolomite, same, sandy, grains very fine to medium	5		225	
36	Same	5		230	
	GLENNWOOD				
37	Sandstone, dolomitic?, very fine, light buff to white, partly coherent	5		235	
38	Sandstone, white, very fine, as above; sandstone, white, medium to coarse, incoherent	5		240	
39	Sandstone, same, medium to coarse	5		245	
40	Sandstone, same	5		250	
41	Sandstone, same, little shale, sandy, light green, weak	5		255	
42	Sandstone, same; much shale, as above	5		260	
43	Sandstone, same; shale, same	5		265	
44	Sandstone, same, some pyrite cement	5		270	
45	Sandstone, same	7		277	

County Lee

Index No. 0809

T.—DRILL RECORD
(67728—5M—11-31) 7



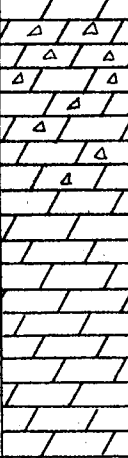



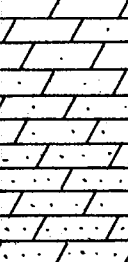
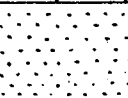
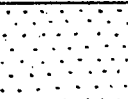

Sample Set #1141

S. 8-21N-9E
5.16

State Geological Survey Division
Urbana, Illinois
LOG OF STANDARD DAIRY CO. WELL
Dixon, Illinois

R 9 E
T 21 N
Lee Co.
Sample Set No. 1141 examined
August 1931 by D. M. Delo.

Drilled 1931 by Jones Stultz & Son

O R D O V I C I A N	P L		12	12	12		Glacial Drift (No Samples)	6" Pipe	
				38	50		"Yellow Limestone" (No Samples)		19"
		GALENA	83		45	95		Dolomite, partly cherty, yellow-buff, fine to medium crystalline, porous	
				70				Dolomite, gray tinged buff, dark spots, very fine to finely crystalline, compact	6" Hole
		PLATTEVILLE	135		165			Dolomite, gray buff to yellowish buff, finely crystalline, partly porous	170"
				15	180			Dolomite, gray tinged buff, dark bluish, finely crystalline, partly porous	
				25	205			Dolomite, gray tinged brown, increasingly sandy toward base, finely crystalline, compact	
				25	230				
				10	240			Sandstone, white, very fine, partly coherent	
		GLENWOOD	47		37			Sandstone, medium to coarse, incoherent; shale, light green, sandy, weak, 260-265	217"
					277				277"

Pump suction pipe to here

MEMORANDUM ON DIXON.

Dixon was visited by H. L. White on June 2, 1931 to obtain information in regard to the well being drilled for the Dixon Standard Dairy by Jonah Stultz.

The well was at a depth of 125 feet at the time of the visit. The rock was quite hard. The drillers had reached a depth of 55 feet before the sacks from the Geological Survey arrived but have been saving samples ever since then. The well is located 50 feet east of Galena Street and about 200 feet south of Patrick Street.

Mr. Stultz reported that he had found oil in a well drilled at Reynolds Park for a wire screen factory. This oil was found in sandstone at a depth of 350 feet. The well was completed at a depth of 400 feet.

State Water Survey Division

H. L. White

H. L. White, Assistant Engineer

Sample Collected from tap about 10 ft from pressure tank,
No tap between pump + pressure tank for collecting sample

Min + F

City Dixon County Lee

Section 5 Twp. No. 21 N Range 9 E

Location (in feet from section corner) Approx 1150 ft North and 50 ft West of the S.E. Corner of Section 5, T. 21 N., R. 9 E.

Owner Standard Dairy Company Authority Mr. Harry Vincent
manager

Contractor Jonas Stultz & Son Address Dixon Ill.

Date drilled 1931 Elev. above sea level top of well 785 ± ft

Depth	Thickness	Depth
<u>Drift</u> - - - - -	<u>12 ft</u>	<u>12 ft</u>
<u>Galena dolomite</u> - - -	<u>83 "</u>	<u>95 "</u>
<u>Platteville dolomite</u> - -	<u>135 "</u>	<u>230 "</u>
<u>Glenwood sandstone</u> - -	<u>47 "</u>	<u>277 "</u>

Were drill cuttings saved Yes Where filed Yes

Size hole _____ If reduced, where and how much _____

Casing record 6-inch ^{PIPE} ~~hole~~ to a depth of 19 feet - 6" hole below casing.

Distance to water when not pumping Not known Distance to water is Not known

feet after pumping at _____ G. P. M. for _____ hours.

Reference point for above measurements _____

Type of pump Fairbanks-morse cylinder Distance to cylinder 2 140 ft

Length of cylinder 30 inches Length of suction pipe below cylinder 20 ft

Length stroke 8 inches Speed 50 strokes per min.

Hours used per day 4 Type of power electric motor

Rating of motor No name plate on motor Rating of pump in G. P. M. 2 50

Can following be measured: (1) Static water level No

(2) Pumping level No (3) Discharge No

(4) Influence on other wells ?

Temperature of water Not recorded as sample was collected from tap
Was water sample collected yes

Date Dec 12, 1947 Effect of water on meters, hot water

coils, etc. _____

Date of Analysis _____ Analysis No. 112904

Please send copy of analysis of sample
to Mr. Harry Vincent - manager. Recorder _____
Standard Dairy Co - Dixon Ill
Date _____

LEE ZIN 9E-5.16

January 5, 1948

CHEMICAL ANALYSIS

Sample of water collected December 12, 1947 from well owned by the Standard Dairy Company, Dixon, Illinois. Location of well: approx. 1150' N. & 50' W. of SE. corner of Section 5, T. 21 N., R. 9 E. Depth: 277'.

LABORATORY NO. 112,904

		<u>PPM.</u>	<u>SPM.</u>			<u>PPM.</u>	<u>SPM.</u>
Iron (total)	Fe	1.8		Silica	SiO ₂	22.6	
Manganese	Mn	0.0		Fluoride	F	0.1	
Calcium	Ca	87.3	4.37	Chloride	Cl	2.0	0.06
Magnesium	Mg	31.9	2.62	Nitrate	NO ₃	0.2	Tr.
Ammonium	NH ₄	0.5	0.03	Sulfate	SO ₄	3.7	0.08
Sodium	Na	0.0	0.00	Alkalinity (as CaCO ₃)		344.	6.88
Turbidity		10		Hardness (as CaCO ₃)		350.	6.99
Color		0		Residue		346.	
Odor		0					

ppm. = parts per million
spm. = equivalents per million
ppm. x .0583 = grains per gallon

STATE WATER SURVEY DIVISION

Irene Van Meter, Asst. Chemist

IV:AB

See certificate in Dixon folder

City Dixon County Lee
Section 5 Twp. No. 21 N Range 9E
Location (in feet from section corner) 1114 S² Galena (Rte 26) 400 N 200 W H&EW
Owner Standard Dairy Co. Authority W. Johnson, new owner
Contractor Jonah Stultz Address Dixon
Date drilled 1/931 Elev. above sea level top of well 785
Depth 277
Log

Were drill cuttings saved _____ Where filed _____
Size hole 6" 19 to 277 If reduced, where and how much _____
Casing record 6" from 0 to 19'
Distance to water when not pumping 120' Distance to water is _____
feet after pumping at _____ G. P. M. for _____ hours.
Reference point for above measurements _____
Type of pump _____ Distance to cylinder _____
Length of cylinder _____ Length of suction pipe below cylinder _____
Length stroke _____ Speed _____
Hours used per day _____ Type of power _____
Rating of motor _____ Rating of pump in G. P. M. _____
Can following be measured: (1) Static water level _____
(2) Pumping level _____ (3) Discharge _____
(4) Influence on other wells _____
Temperature of water _____ Was water sample collected No.
Date _____ Effect of water on meters, hot water
coils, etc. _____

Date of Analysis _____ Analysis No. _____
Recorder R.H.
Date 6-5-51
use 6000 gpd (max)
when operating

Now using Citywater about 800 gal per hr. summer
400 " " " " winter

" Fairbanks - Moose pump is off for repair or
to be replaced by new one as soon as
some one can tell him what should be done to the well.
Would prefer pumping ~~the~~ water to use of city
water

1256000
200000
960000
6000

over 1000 gal per hr. all
pumping in

2-28-64

Dixon

Fairview Farm Dairy

[PREVIOUSLY STANDARD DAIRY]

softener - 120 gpm at full cap.
never run at full cap.

mon-wed-Fri. bottling
pumpage on those days only for heavy pumpage.
don't know much about well.

10 H.P. pump.

ingest. 10,000 gpd every year.

City Quincy County Lee
Section 5 Twp. No. 21 N. Range 9 E. 4th

Location (in feet from section corner) _____

Owner Illinois Northern Utilities Co.

Contractor _____ Address _____

Date drilled 7-9-37 Elev. above sea level top of well 545

Depth 160

Log Well was drilled 15 ft in to St. Peters lime stone

Were drill cuttings saved no Where filed _____

Size hole 6" If reduced, where and how much no

Casing record _____

Distance to water when not pumping 15 ft Distance to water is 20 ft

feet after pumping at 400 G. P. M. for 4 hour - hours.

Reference point for above measurements _____

Type of pump Centrifugal Distance to cylinder 30 ft

Length of cylinder approx 4 ft Length of suction pipe below cylinder 20 ft

Length stroke _____ Speed 1800

Hours used per day approx 15 Type of power Electric

Rating of motor 10 H.P. Rating of pump in G. P. M. 100 gal

Can following be measured: (1) Static water level ☒

(2) Pumping level ☒ (3) Discharge ☒

(4) Influence on other wells ☒

Temperature of water 56° Was water sample collected from well

Date 7-7-39 Effect of water on meters, hot water coils, etc. Red deposit in cooling coils

Date of Analysis _____ Analysis No. 85933

Recorder W. Ford

Date 7-10-39

City Dixon County Lee
Section _____ Twp. No. _____ Range file

Location (in feet from section corner) _____

Owner Ill. Northern Utilities Authority _____

Contractor Office Building Address _____

Date drilled _____ Elev. above sea level top of well _____

Depth _____

Log _____

Were drill cuttings saved _____ Where filed _____

Size hole _____ If reduced, where and how much _____

Casing record _____

Distance to water when not pumping _____ Distance to water is _____

feet after pumping at _____ G. P. M. for _____ hours.

Reference point for above measurements _____

Type of pump _____ Distance to cylinder _____

Length of cylinder _____ Length of suction pipe below cylinder _____

Length stroke _____ Speed _____

Hours used per day _____ Type of power _____

Rating of motor _____ Rating of pump in G. P. M. _____

Can following be measured: (1) Static water level _____

(2) Pumping level _____ (3) Discharge _____

(4) Influence on other wells _____

Temperature of water _____ Was water sample collected _____

Date _____ Effect of water on meters, hot water

coils, etc. _____

Date of Analysis _____ Analysis No. _____

Recorder _____

Date July 6, 1939

{ 859 33 - no. 1
859 34 - no. 2
859 35 - no. 3

No. 1 - 85933 - Well water - 53°

Fe
Ca
Alk.
pH
Residue
Cl.

No. 2 - 85934 - Condenser drain - 80°

Fe
Ca
Alk.
pH
Residue
Cl.

No. 3 - 85935 - test for calcium - Sediment
from well water, taken out of piping.

Report to:

Clinton B. Soper
American Foundry and Machine Co.
Bloomington, Ill.

October 10, 1939

GAS ANALYSIS

Sample of water collected from well owned by the Illinois Northern Power and Light Co., Dixon, Illinois. Location: Sec. 5, T. 21 N., R. 9 E. Depth: 160 feet. Date collected: October 2, 1939.

LABORATORY NO. 86433

<u>Extracted Gas</u>	<u>Composition</u>	<u>Total/sample</u>	<u>Free gas/1000 gal.</u>
Carbon dioxide	CO ₂ 61.1%	152.3 cc.	
Oxygen	O ₂ 0.1%	.25 cc.	
Hydrogen	H ₂ 0.1%	.25 cc.	
Methane	CH ₄ 3.3%	8.3 cc.	.28 cu.ft.(9.3%)
Nitrogen	N ₂ 35.4%	88.6 cc.	3.01 cu.ft.
Total	100.0%	250.0 cc.	3.29 cu.ft.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL/mw

October 10, 1939

GAS ANALYSIS

Sample of water collected from pressure tank at Illinois Northern Power and Light Co., Dixon, Illinois. Location of well: Sec. 5, T. 21 N., R. 9 E. Depth: 160 feet. Date collected: October 2, 1939.

LABORATORY NO. 86434

<u>Extracted Gas</u>		<u>Composition</u>	<u>Total/sample</u>	<u>Free gas/1000 gal.</u>
Carbon dioxide	CO ₂	67.5%	216.0 cc.	
Oxygen	O ₂	0.3%	.9 cc.	
Hydrogen	H ₂	0.2%	.6 cc.	
Methane	CH ₄	2.3%	7.4 cc.	.25 cu.ft.(7.2%)
Nitrogen	N ₂	<u>29.7%</u>	<u>95.1 cc.</u>	<u>3.25 cu.ft.</u>
Total		100.0%	320.0 cc.	3.5 cu.ft.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL/mw

See certificate in Dixon folder

Mr. Wuehlbach

City Dixon County Lee

Section 5 Twp. No. 21 N Range 9 E

Location (in feet from section corner) 3400 N 1500 E of S.W. cor.

Owner Pub. Serv. Co. of N^o Ill. Authority Formerly Utilities Co. of N^o Ill.

Contractor _____ Address _____

Date drilled _____ Elev. above sea level top of well 680

Depth 65'

Log _____

Were drill cuttings saved _____ Where filed *

Size hole _____ If reduced, where and how much _____

Casing record _____

Distance to water when not pumping _____ Distance to water is _____

feet after pumping at _____ G. P. M. for _____ hours.

Reference point for above measurements _____

Type of pump turbine (Peerless) Distance to cylinder _____

Length of cylinder _____ Length of suction pipe below cylinder _____

Length stroke _____ Speed _____

Hours used per day automatic control Type of power e/c.

Rating of motor 7 1/2 HP Rating of pump in G. P. M. 100 gpm.

Can following be measured: (1) Static water level _____

(2) Pumping level _____ (3) Discharge _____

(4) Influence on other wells _____

Temperature of water _____ Was water sample collected No.

Date _____ Effect of water on meters, hot water

coils, etc. _____

Date of Analysis _____ Analysis No. _____

Use 2000 gpd

Recorder R.H.

Date 6-5-51

Well is located at garage. Water pumped
($3\frac{1}{4}$ " id discharge) into pressure tank (3x8')
(40 psi. ~~on~~ 65 psi off)

Water is used for washing cars, toilets etc.
Other water is used from Rock River.



TOWN (Dixon) TOWNSHIP Sout(Dixon) MAP (8)
 =COMPANY German Luthern Church
 FARM
 - AUTHORITY River
 ELEVATION 100' above Rock HOLE No. 21N
 COLLECTOR (100' et al) DATE DRILLED 1906

T. ^R 9E
 21N
 Sec. 5
 Se 4
 15
 from

No.	STRATA	1/4 sec line		1/4 sec line	
		FEET	IN.	FEET	IN.
	Rock at			16	
	Principal waterbed at			55	
	Character of waterbed:				
	Lime rock				
	Total depth of well			68	

NO ENVELOPE

County **Lee**
T.—**DRILL RECORD**

Index No. 0805

5-21N-9E

WELL INVENTORY SCHEDULE

Map No. 38Well No. LEE 21N9E-5.7a±
Owner's No. 1Location Dixon County LeeFeet from Sec. Cor. 150' N, 700' E of SW corOwner Columbus-McKinnon Chain Corp

Drilling Co. _____ Permit No. _____

Date Drilled 1945± Depth 110' ± Method _____

Hole Record _____

Casing Record _____

Screen Record _____

Gravel Pack Record _____

Log _____ Drill Cuttings _____ Sample Set No. _____

Chief Aquifer dolomite ? from _____ to _____ Other Aquifer _____

Land Surface Elevation _____ Topography _____

Test Data:

Nonpumping level 30 below measuring point on _____ at _____ AM PM

Pumping level _____ below measuring point after pumping at _____ gpm

for _____ hours on _____ at _____ AM PM

Measuring Point (MP) for test _____

Permanent Airline and Measuring Point _____

Pump and Power _____

Water: Use _____ Analysis _____ Temp. _____

Data collected by RH Date 5-5-51 Source _____

Remarks:

8000 gpd - 1951

West Well (No. 2)

City Dixon County Lee
Section 5 Twp. No. 21 N Range 9 E
Location (in feet from section corner) No N. 600 E of SW. cor. 1200 W 7th
Owner Columbus-McKinnon Chain Corp. (Dixon Div) Authority Mr. Steller
Contractor Dresden Address Polo
Date drilled 1949 Elev. above sea level top of well 690
Depth 170 to 180'
Log _____
Were drill cuttings saved _____ Where filed _____
Size hole _____ If reduced, where and how much _____
Casing record _____
Distance to water when not pumping _____ Distance to water is _____
feet after pumping at _____ G. P. M. for _____ hours.
Reference point for above measurements _____
Type of pump Sacuzzi jet Distance to cylinder _____
Length of cylinder _____ Length of suction pipe below cylinder _____
Length stroke _____ Speed _____
Hours used per day _____ Type of power e/c
Rating of motor 1 HP Sacuzzi Rating of pump in G. P. M. _____
Can following be measured: (1) Static water level _____
(2) Pumping level _____ (3) Discharge _____
(4) Influence on other wells _____
Temperature of water _____ Was water sample collected _____
Date _____ Effect of water on meters, hot water
coils, etc. _____
Date of Analysis _____ Analysis No. _____
Use 15000 gpd. west well
" 8000 " east " Recorder R.H.
Date 6-5-51

~~Well~~
Well is located at back of plant building on west
side. This pump runs all day and all night
See Dresden

Information from Dresden of Polo

Another well on east side (400' east of other well)
runs about $\frac{1}{2}$ time. 1 HP Tacuzga jet. Well 100' deep
Water is used for cooling
Well No. 1 drilled 4 yrs. ago 110' deep.
S.W.L. 30'

See also top of page 28
" " " " " "

Dixon Publishing Co.

Changed over in Summer 1957

#1 East well in use (Less than 2000 gpd)

cooling purposes which are recirculated
so actually replenishment is only pumpage

City water for sanitary purposes & on press.

Columbus - M.E.K. - pumpage cut to bare min.

& approx 1,000 gpd by 1956

don't know much about wells.

12-8-71

no pumpage, return heated city water
to ground thru 2 wells since about 1970

LEE 21N9E-5.86 142

approx 600' N, 700' E of SW cor

600' N, 600' E of SW cor

LSD 675' MSL

WELL INVENTORY SCHEDULE

Map No. 38Well No. LEE 21N9E-5.861+2
Owner's No. 1+2Location Dixon County LEEFeet from Sec. Cor. approx 600' N, 700' E of SW cor
600' N, 600' E of SW corOwner Dixon Publishing Co

Drilling Co. _____ Permit No. _____

Date Drilled _____ Depth 160' ± Method _____

Hole Record _____

Casing Record _____

Screen Record _____

Gravel Pack Record _____

Log _____ Drill Cuttings _____ Sample Set No. _____

Chief Aquifer _____ from _____ to _____ Other Aquifer _____

Land Surface Elevation 675' Topography _____

Test Data:

Nonpumping level _____ below measuring point on _____ at _____ AM PM

Pumping level _____ below measuring point after pumping at _____ gpm
for _____ hours on _____ at _____ AM PM

Measuring Point (MP) for test _____

Permanent Airline and Measuring Point _____

Pump and Power _____

Water: Use _____ Analysis _____ Temp. _____

Data collected by Robert Daaman Date 12-8-71 Source Albert HalstenbergRemarks: Recharging heated city water since about 1960
80° F

Supt

Water purchased from Dixon

Dec 1970	2298	cuf
Jan 1971	1559	
Feb	771	
Mar	2331	
Apr	1840	
May	2203	
Jun	1974	

Jul 1971	1622
Aug	1433
Sep	3076
Oct	1799
Nov	2006
Dec	2296
Total	25,210 cuf
	188,511 gal
	517 gpd

SWS-N2

RECEIVED

07-08-05-359-010
WATER WELL SEALING FORM

RECEIVED

MAR 24 2011

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

MAR 24

LEE COUNTY HEALTH DEPT

LEE COUNTY HEALTH DEPT

TYPE OR PRESS FIRMLY

RETURN ALL COPIES TO IDPH

This form shall be submitted to this Department not more than 30 days after a potable water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code.

WWS COPY

1. Ownership (Name of Controlling Party) DIXON DIRECT
2. Well Location: NEXT TO 927 S VANBUREN DIXON LEE
Address - Lot # 76 City County
General Description: Section 05 Township 21N (N) (S) Rang 9E (E) (W)
NE Quarter of the SW Quarter of the SW Quarter
3. Year Drilled NA
4. Drilling Permit # (and date, if known) NA
5. Type of Well: [] Bored [X] Drilled [] Other
6. Total Depth 115' Diameter (inches) 6"
7. Formation clear of obstruction [X] yes [] no

8. DETAILS OF PLUGGING

Filled with <u>DIRT</u> (cement or other materials)	from <u>0</u>	to <u>5</u> ft.
Kind of plug <u>BENTONITE CHIPS</u>	from <u>5</u>	to <u>115</u> ft.
Filled with	from	to ft.
Kind of plug	from	to ft.
Filled with	from	to ft.
Kind of plug	from	to ft.
Filled with	from	to ft.
Kind of plug	from	to ft.

9. CASING RECORD

Upper 2 feet of casing removed [X] yes [] no

10. Date well was sealed: Month 3 Day 21 Year 2011
11. Licensed Water Well Contractor or other person approved by the Department performing well sealing:
12. LUTES H2O WELL DRILLING, INC 102-004132

Name

License Number

308 W MAPLE ST
AddressMALDEN
CityIL 61337
State/Zip

GPS 41495526N 89293417W

P 454 409

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

IL 482-0631

RECEIVED

SK

4/2000

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 W. JEFFERSON ST.
SPRINGFIELD, IL 62761

WATER WELL SEALING FORM

TYPE OR PRESS FIRMLY

07-08-05-226-004

RETURN ALL COPIES TO IDPH OR
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code. **THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.**

- Ownership (Name of Controlling Party) Kevin Considine
- Well Location 69 SOUTH OTTAWA AVE. DIXON LEE
Address - Lot Number City County
- General Description Township 21N (N)(S) Range 9E (E)(W) Section 5
NE Quarter of the NE Quarter of the NE Quarter 18-08-05-226-004
07-
- Year Drilled UNKNOWN
- Drilling Permit Number (and date, if known) _____
- Type of Well Bored _____ Drilled X Other _____
- Total Depth UNKNOWN Diameter (inches) 8"
- Formation clear of obstruction _____ Yes X No _____
The pump was locked in the well and could not remove
Seal Well on Top of pump with all holeplug. Took GPS readings
also took measurement from property line to make easy to
relocate well if needed. See attached notes:
- DETAILS OF PLUGGING
Filled with _____ from _____ to _____ ft.
(cement or other materials)
Kind of plug HOLE PLUG from 21 to 4 ft.
Filled with BACK FILL SAND + GRAVEL from 4 to 0 ft.
Kind of plug _____ from _____ to _____ ft.
Filled with _____ from _____ to _____ ft.
Kind of plug _____ from _____ to _____ ft.
- CASING RECORD Upper 2 feet of casing removed X Yes _____ No _____
- Date well was sealed Month Aug. Day 1 Year 2011
- Licensed water well driller or other person approved by the Department performing well sealing.
ALAN OLSON 102-001963
Name Complete License Number
887 S, Farwell Bridge Rd. Ridott IL 61067
Address City State/ZIP
P 456623

RECEIVED
AUG 05 2011
LEE COUNTY HEALTH DEPT

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631

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P.O. #530379 9.6M 4/00

Sealing method discussed/approved by clay - IDPH Region I

JK

WATER WELL SEALING FORM

PPN 07-08-05-457-016
 ILLINOIS DEPARTMENT OF PUBLIC HEALTH
 DIVISION OF ENVIRONMENTAL HEALTH
 525 WEST JEFFERSON STREET
 SPRINGFIELD, ILLINOIS 62761

RETURN ALL COPIES TO IDPH OR
 LOCAL HEALTH DEPARTMENT

TYPE OR PRESS FIRMLY

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code.

1. Ownership (Name of Controlling Party) Jack Taylor
2. Well Location: 1000 Taylor St. Dixon Lee
 Address - Lot Number City County

General Description: Township 21 (N)(S) Range 9 (E)(W) Section 5
 Quarter of the Quarter of the SE Quarter

3. Year Drilled NA
4. Drilling Permit Number (and date, if known) NA
5. Type of Well: Bored _____ Drilled X Other _____
6. Total Depth 105 Diameter(inches) 6"
7. Formation clear of obstruction X Yes _____ No _____

8. DETAILS OF PLUGGING

Filled with Bentonite from 5 to 105 ft.
 (cement or other materials)

Kind of plug Cement from 4 to 5 ft.

Filled with _____ from _____ to _____ ft.

Kind of plug _____ from _____ to _____ ft.

Filled with _____ from _____ to _____ ft.

Kind of plug _____ from _____ to _____ ft.

9. CASING RECORD: Upper 3 feet of casing removed X Yes _____ No _____
10. Date well was sealed: Month 3 Day 16 Year 98.

11. Licensed water well driller or other person approved by the Department performing well sealing.

Ed Dresden 092-005248
 Name Complete License Number
475 Timberland Dixon IL 61021
 Address City State/Zip

MAR 19 2018

LEE COUNTY HEALTH DEPT

WATER WELL SEALING FORM

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

TYPE OR PRESS FIRMLY

RETURN ALL COPIES TO IDPH

This form shall be submitted to this Department not more than 30 days after a potable water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code.

1. Ownership (Name of Controlling Party) Bob Slain
2. Well Location: 908 S. Lincoln Avenue Dixon Lee
Address - Lot # City County
General Description: Section 5 Township 21N (N) (S) Range 9E (E) (W)
SW Quarter of the SW Quarter of the SW Quarter
3. Year Drilled NA
4. Drilling Permit # (and date, if known) NA
5. Type of Well: [] Bored [X] Drilled [] Other _____
6. Total Depth 80' Diameter (inches) 5"
7. Formation clear of obstruction [X] yes [] no
8. DETAILS OF PLUGGING
Filled with Clay from 0 to 5 ft.
(cement or other materials)
Kind of plug Bentonite from 5 to 80 ft.
Filled with _____ from _____ to _____ ft.
Kind of plug _____ from _____ to _____ ft.
Filled with _____ from _____ to _____ ft.
Kind of plug _____ from _____ to _____ ft.
Filled with _____ from _____ to _____ ft.
Kind of plug _____ from _____ to _____ ft.
9. CASING RECORD
Upper 2 feet of casing removed [X] yes [] no
10. Date well was sealed: Month August Day 18 Year 2017
- 11: Licensed Water Well Contractor or other person approved by the Department performing well sealing:

Keith Thierry 102-004066
Name License Number
308 W Maple St Malden IL, 61337
Address City State/Zip

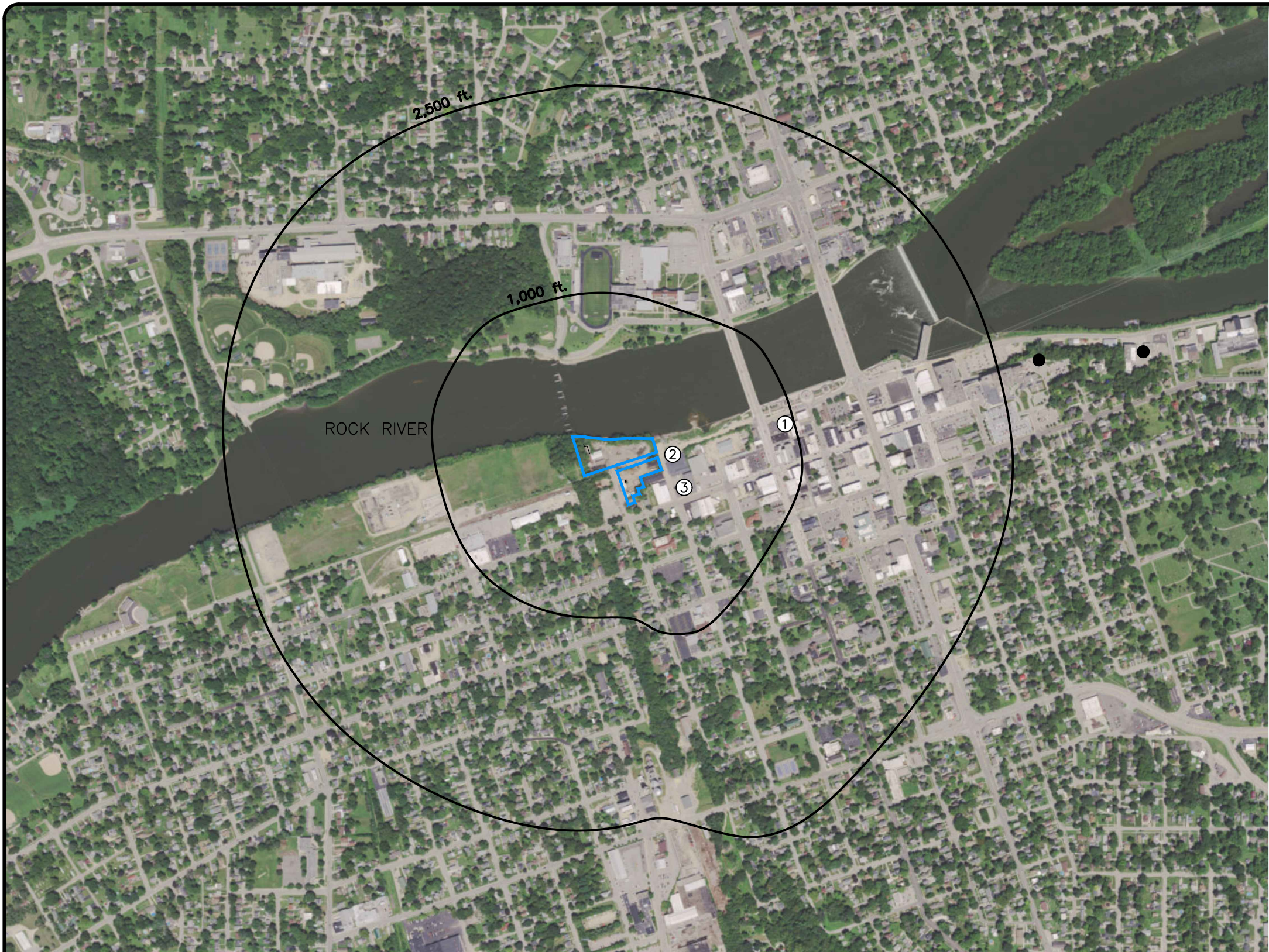
This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

Potable Well Survey - Summary of Well Records Received from ISWS and IDPH
Former Dixon Iron & Metal Company
Dixon, Illinois
Lee County; Township 21N, Range 9E, Section 5

Well ID	Depth	Date Drilled	Owner	Location	Distance from Site Boundary (ft)	Direction Relative to Site	Position Relative to Site / Gradient	Notes
ISWS								
85639	217	1937	MS SHAW	100 DEMENT AVENUE	3,226	E	side-gradient	
85646	80	---	BF SHAW	212 W RIVER ST	986	E	side-gradient	
85657	145	1948	EICHLER	3600 N, 2300 W OF SE CRNR SEC 5	1,005	SE	up-gradient	
456623	NA	---	KEVIN CONSINDINE	69 S OTTAWA AVENUE	1,774	E	side-gradient	Abandoned
---	110	1934	BEIER BROS BAKERY	NE 1/4 SEC 5 / 114 S HENNEPIN AVENUE	1,448	E	side-gradient	
---	277	1931	STANDARD DAIRY CO/FAIRVIEW FARM	1114 S GALENA	4,364	SE	up-gradient	
---	160	1937	ILLINOIS NORTHERN UTILITIES CO	OFFICE BUILDING, SE ADJACENT*	130	E	up-gradient	
---	65	1951	PUBLIC SERVICE CO OF NORTHERN ILLINOIS	GARAGE, SE ADJACENT*	190	SE	up-gradient	
---	68	1906	GERMAN LUTHERAN CHURCH	SE 1/4 OF SEC 5	4,000	SE	up-gradient	
---	110	1945	COLUMBUS-MCKINNON CHAIN CORP	1200 W 7TH ST	3,528	SW	side-gradient	
---	180	1949	COLUMBUS-MCKINNON CHAIN CORP	1200 W 7TH ST	3,528	SW	side-gradient	
---	115	---	DIXON DIRECT	927 S VAN BUREN	3,850	SW	side-gradient	Abandoned
---	105	---	JACK TAYLOR	100 TAYLOR COURT	4,232	S	up-gradient to side-gradient	Abandoned
---	80	---	BOB SLAIN	908 S LINCOLN AVENUE	4,413	SW	side-gradient	Abandoned
IDPH								
IL3013912	---	---	SHERIDANS WALTON TAP	906 WALTON ROAD	48,048	S	up-gradient	
IL3013961	---	---	WHITE HOUSE RESTAURANT	641 PALMYRA ROAD	5,016	NW	N/A	
IL3013979	---	---	THAT PLACE ON PALMYRA	628 PALMYRA ROAD	6,336	NW	N/A	
IL3016360	---	---	HWY #26-S REST AREA	RR (GREEN RIVER AREA)	>52,800	S	up-gradient	
IL3016923	---	---	REYNOLDSWOOD CHRISTIAN CAMP	621 REYNOLDSWOOD RD	2,640	NW	N/A	
IL3017186	---	---	LOST NATION GOLF CLUB	6931 LOST NATION ROAD	31,680	NE	up-gradient to side-gradient	
IL3017319	---	---	REYNOLDSWOOD CHRISTIAN CAMP (17319)	6211 REYNOLDSWOOD RD	2,640	NW	N/A	
IL3017327	---	---	TIMBER CREEK GOLF, LLC	729 TIMBER CREEK RD	15,312	N	N/A	
IL3017566	---	---	ROCK RIVER BIBLE CAMP	918 BEND RIVER RD	25,344	NE	up-gradient to side-gradient	
IL3036103	---	---	LOWELL PARK	RR	17,952	N	N/A	
IL3045369	---	---	BRANDYWINE BANQUET FACILITY	441 ILLINOIS ROUTE 2	16,368	W	N/A	
IL3098061	---	---	CATALINAS TAVERN	8288 IL RT 2 RFD 3	28,248	NE	N/A	
IL3104489	---	---	DIXON PUBLIC SCH-GRAND DETOUR	1335 FRANKLIN GROVE RD	8,448	ESE	up-gradient to side-gradient	
IL3104521	---	---	THE KOUNTRY KORNER	RT 26 & 30	32,208	S	up-gradient	
IL3104646	---	---	PLUM HOLLOW FITNESS CENTER	1933 IL ROUTE 26	8,976	N	N/A	
IL3104653	---	---	PORKYS	1315 E RIVER RD	19,008	ENE	up-gradient to side-gradient	
IL3106138	---	---	KREIDER SERVICES	1153 S ELDENA RD	34,848	S	up-gradient	
IL3106195	---	---	JOHN DEERE HISTORIC SITE	8334 SOUTH CLINTON	27,984	NE	N/A	
IL3106260	---	---	LOWELL PARK COMFORT STATION	2114 LOWELL PARK ROAD	17,424	N	N/A	
IL3112045	---	---	HECKMANS ISLND %WAYNE HECKMAN	579 RIVER LANE	7,920	W	N/A	
IL3114215	---	---	DIXON V.F.W.	1560 FRANKLIN GROVE ROAD	10,560	E	up-gradient to side-gradient	
IL3115022	---	---	LOWELL PARK NATURE CENTER	804 PALMYRA STREET	1,056	N	N/A	
IL3117317	---	---	EXPRESS LANE GAS & FOOD MART	8120 IL RT 2 S	29,568	NE	N/A	
IL3117887	---	---	SAUK VALLEY COLLEGE	173 IL RT 2	29,568	W	N/A	
IL3118968	---	---	MAGNUSON HOTEL	443 IL ROUTE 2	15,840	W	N/A	
IL3119537	---	---	FAITH CHRISTIAN SCHOOL / HIGH SCHOOL	7571 SOUTH RIDGE ROAD	31,680	NE	N/A	
IL3122622	---	---	DIXON ELKS PAGE PARK	LOWELL PARK ROAD	22,334	N	N/A	
IL3133744	---	---	ALLIED LOCKE IND GREEN RIVER I	PO BOX 509	43,824	S	up-gradient	
IL3153130	---	---	LOWELL PARK WOODCOTE LODGE	2114 LOWELL PARK RD	17,424	N	N/A	
IL3157982	---	---	NORTHERN IL CANCER TREATMENT	327 IL ROUTE 2	34,320	W	N/A	
IL3159053	---	---	FAITH CHRISTIAN SCHOOL / ELEMENTARY SCH	3886 WISCONSIN STREET	30,096	NE	N/A	

* Location identified by historical research documentation (i.e. Sanborn fire insurance maps)

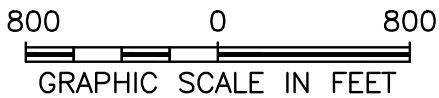
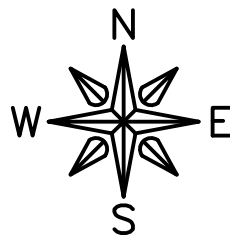
N/A indicated for gradient if well located on north side of Rock River



1. 212 W. RIVER STREET, BF SHAW (ISWS)
2. PUBLIC SERVICE OF NORTHERN ILLINOIS GARAGE WELL (ISWS)
3. ILLINOIS NORTHERN UTILITIES CO. OFFICE BUILDING (ISWS)

LEGEND

- COMMUNITY WATER SUPPLY WELLS
- SITE BOUNDARY



FEHR GRAHAM ILLINOIS IOWA WISCONSIN
ENGINEERING & ENVIRONMENTAL

DIMCO
78 & 86 MONROE AVE.
DIXON, IL 61021

DRWN: MKH DATE: 09/19/17 APPD: RG

TITLE: WATER WELL
SURVEY MAP


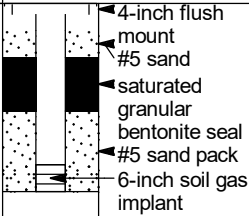





T21N / R9E / S5
JOB NO.: 17-570H PH02E1
18-552

PLOT DATE: 10/19/18

Appendix C






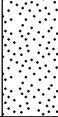
Soil Boring Logs

CLIENT <u>City of Dixon</u>	PROJECT NAME <u>Viaduct Point</u>
PROJECT NUMBER <u>17-382</u>	PROJECT LOCATION <u>78 & 86 Monroe Avenue and 501 and 511 1st Street</u>
DATE STARTED <u>6/2/17</u> COMPLETED <u>6/2/17</u>	GROUND ELEVATION _____ HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>IEPA - OSE</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	<u>▽ AT TIME OF DRILLING</u> <u>12.00 ft</u>
LOGGED BY <u>Katelyn Kane</u> CHECKED BY <u>Erica Toledo</u>	AT END OF DRILLING <u>---</u>
NOTES <u>Knack Property near north wall of Building C</u>	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
	MAC	85	Sample SB1a at 1.3'-2.3' bgs	SW		1.0 Medium SAND with little organics and few glass and metal debris, well graded, moist, loose, 10YR 3/6 dark yellowish brown, fill.	0.0	
				GP	1.3	Crushed limestone aggregate, moist, loose, 10YR5/6 yellowish brown, fill.	0.0	
				SW	1.4	Coarse SAND with metallic debris, moist, well graded, loose, with little oxidized.	0.0	
	MAC	93	Sample SG1 at 3.0'-3.5' bgs	ML		SILT, dry to moist, stiff, low plasticity, 10YR 3/6 dark yellowish brown.	0.0	
						Medium stiff @ 4.0'-7.7' bgs	0.0	
							0.0	
5			Sample SB1b at 11.0'-12.0' bgs			Fat CLAY, moist, medium stiff, medium plasticity, 10YR 6/6 brownish yellow with little 10YR 5/6 yellowish brown mottle.	0.0	
						0.0		
						0.0		
10	MAC	100		CL				
	MAC	90			SW		Fine to coarse SAND with some fine gravel and trace silt, well graded, saturated, loose, 10YR 5/3 brown to 10YR 7/6 yellow.	0.0
								0.0
				SW		Fine to coarse SAND with some fine gravel, well graded, saturated, loose, 10YR 7/6 yellow.		
15							15.6	Odorous @ 15.4'-15.6' bgs.	0.6
						16.0	No Recovery.	
							Bottom of hole at 16.0 feet.	

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>Viaduct Point</u>	
PROJECT NUMBER <u>17-382</u>		PROJECT LOCATION <u>78 & 86 Monroe Avenue and 501 and 511 1st Street</u>	
DATE STARTED <u>5/31/17</u>		COMPLETED <u>5/31/17</u>	
DRILLING CONTRACTOR <u>IEPA - OSE</u>		GROUND ELEVATION _____ HOLE SIZE <u>2"</u>	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		GROUND WATER LEVELS:	
LOGGED BY <u>Erica Toledo</u>		AT TIME OF DRILLING <u>12.00 ft</u>	
CHECKED BY <u>Katelyn Kane</u>		AT END OF DRILLING <u>---</u>	
NOTES <u>Knack Property south side Building C</u>		AFTER DRILLING <u>---</u>	

GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MAC	65	Sample SB2a at 2.0'-3.0' bgs	SW- SM		Sandy SILT, soft, fill, medium brown, moist.	0.0
				ML		SILT, medium to dark brown, soft, low plasticity.	0.0
10	MAC	90	Sample SB2b at 11.0'-12.0' bgs	ML		Medium to dark brown SILT, medium plasticity, soft.	0.0
				ML		SILT, light to medium orangish brown, medium plasticity, soft, some recovery loss throughout.	0.0
SW		Fine to medium SAND seam, well graded, light orangish brown.		0.0			
SP		Fine to medium SAND, poorly graded, saturated, light orangish brown.		0.0			
15	MAC	68				No Recovery.	0.0
						Bottom of hole at 16.0 feet.	

CLIENT City of Dixon PROJECT NAME Viaduct Point

PROJECT NUMBER 17-382 PROJECT LOCATION 78 & 86 Monroe Avenue and 501 and 511 1st Street










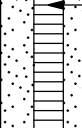


DATE STARTED 5/30/17 COMPLETED 5/31/17 GROUND ELEVATION _____ HOLE SIZE 2"

DRILLING CONTRACTOR IEPA - OSE GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler ∇ AT TIME OF DRILLING 12.90 ft

LOGGED BY Erica Toledo CHECKED BY Katelyn Kane AT END OF DRILLING ---

NOTES Knack Property SW corner of Building C ∇ 15hrs AFTER DRILLING 11.30 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
5	MAC	78	Sample SB3a at 0.5'-1.5' bgs	SW-SM		0.8 Crushed limestone GRAVEL, loose, dry, light yellowish brown.	0.0	
						Silty SAND with clay and gravel, light gray to medium brown.	0.0	
10	MAC	53		ML		3.0 SILT, soft, low plasticity, brown to medium gray.	0.0	
						4.0 SILT, low plasticity, soft, moist, medium to dark grayish brown.	0.0	
15	MAC	90		MH		6.0 SILT, high plasticity, moist, medium orangish brown.	0.0	
						8.0 CLAY, low plasticity, moist to wet, soft, light gray and brown, some recovery loss.	0.0	
20	MAC	68	Sample SB3b at 15.0'-16.0' bgs	SW-SM		11.8 ∇ SILT, high plasticity, moist, medium orangish brown, some recovery loss.	2.6	
						12.0 SILT, soft, moist, low plasticity, medium orangish brown.	6.2	
				SW-SM		12.9 SILT, fine to coarse sand, with some coarse gravel, saturated, medium orangish brown to medium gray.	0.0	
						15.0 Fine to coarse SAND with fine gravel, saturated, well graded, light to medium brown.	765	
				SW		16.0 Coarse SAND to fine gravel, loose, saturated, very dark gray.	12	
						17.2 Coarse SAND to fine gravel, loose, saturated, light brown.	6.3	
						18.7 No Recovery.	0.0	
						20.0 Bottom of hole at 20.0 feet.		

GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17

AFTER DRILLING ---

GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17

FEHR GRAHAM


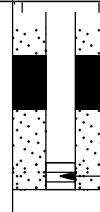





ENGINEERING & ENVIRONMENTAL

WELL NUMBER SB5/ SG2

PAGE 1 OF 1




CLIENT <u>City of Dixon</u>		PROJECT NAME <u>Viaduct Point</u>	
PROJECT NUMBER <u>17-382</u>		PROJECT LOCATION <u>78 & 86 Monroe Avenue and 501 and 511 1st Street</u>	
DATE STARTED <u>6/2/17</u>	COMPLETED <u>6/2/17</u>	GROUND ELEVATION _____	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>IEPA - OSE</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		▽ AT TIME OF DRILLING <u>16.20 ft</u>	
LOGGED BY <u>Katelyn Kane</u>		CHECKED BY <u>Erica Toledo</u>	
NOTES <u>DIMCO NE corner of Office near Diesel AST</u>		AT END OF DRILLING <u>---</u>	
		AFTER DRILLING <u>---</u>	

GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM	
5	MAC	90	Sample SB5 at 2.6'-3.6' bgs (MS/MSD) Sample SG2 at 3.0'-3.5' bgs	GW		Crushed limestone aggregate, loose, dry, 10YR 5/6 yellowish brown.	0.0		
				SP		Fine SAND with trace fine metal debris, loose, moist, poorly graded, 10YR 2/1 black, faint odor, fill.	7		
5	MAC	100	Sampe SB5 at 12.5'-13.5' bgs (Duplicate)	GW		Crushed limestone aggregate, medium sand to fine gravel, well graded, moist, loose, 10YR 5/6 yellowish brown, fill.	5		
				ML		SILT, low plasticity, moist, medium stiff, 10YR 3/4 dark yellowish brown.	0.0		
10	MAC	63		ML		Trace greenish gray sheen @ 8.0'-11.9' bgs	0.0		
							0.0		
15	MAC	50		ML		SILT, soft, low plasticity, moist, olive green.	0.4		
				SW		Fine to medium SAND, well graded, moist, loose, 10YR 7/6 yellow with black staining, odorous.	0.663		
				GP		Poorly graded coarse GRAVEL, gray, moist.	8		
				SW		Fine to coarse SAND, well graded, saturated, loose, 10YR 7/6 yellow, odorous.	1.4		
						No Recovery.	4		
							2.5		
20						Bottom of hole at 20.0 feet.			

CLIENT <u>City of Dixon</u>	PROJECT NAME <u>Viaduct Point</u>
PROJECT NUMBER <u>17-382</u>	PROJECT LOCATION <u>78 & 86 Monroe Avenue and 501 and 511 1st Street</u>
DATE STARTED <u>6/12/17</u> COMPLETED <u>6/12/17</u>	GROUND ELEVATION _____ HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>IEPA - OSE</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>Erica Toledo</u> CHECKED BY <u>Katelyn Kane</u>	AT END OF DRILLING <u>---</u>
NOTES <u>NE of DIMCO Office</u>	AFTER DRILLING <u>---</u>

GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MAC	100	Sampled SB6a at 2.0'-3.0' bgs	GP		Yellowish medium brown, crushed aggregate fill, moist, loose.	0.0
				GP		2.5 Very dark brown to very dark gray, silty crushed aggregate fill, moist, loose.	13 9
10	MAC	100		ML		4.0 Very dark gray SILT, medium stiff with sand and gravel, moist, low plasticity.	2
				ML		4.8 Very dark gray, SILT, very stiff, moist, medium plasticity.	7.5 7.5 8
15	MAC	100				10.2 SILT, stiff, moist, medium plastic, olive gray with very dark gray mottle, odorous.	5 5 7 6
						14.8 Very dark gray with olive gray mottle, SILT with some fine sand, very stiff, moist, medium plasticity, with trace organic petroleum odor.	3 0.0 3 5
	MAC	100	Sampled SB6b at 15.0'-16.0' bgs (Duplicate)	ML		16.2 Gray, fine to coarse SAND with fine to coarse gravel, loose.	2.5 4.5
				SW		19.0 Light brown (18.5'-19.0' bgs)	5 7
						Bottom of hole at 19.0 feet.	

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ENGINEERING & ENVIRONMENTAL

WELL NUMBER SB7/ MW2

PAGE 1 OF 1

CLIENT City of Dixon

PROJECT NAME Viaduct Point

PROJECT NUMBER 17-382

PROJECT LOCATION 78 & 86 Monroe Avenue and 501 and 511 1st Street

DATE STARTED 6/1/17

COMPLETED 6/1/17

GROUND ELEVATION _____

HOLE SIZE 2"

DRILLING CONTRACTOR IEPA - OSE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

AT TIME OF DRILLING ---

LOGGED BY Lance Range- OSE CHECKED BY Erica Toledo

AT END OF DRILLING ---

NOTES DIMCO Adjacent to Processing A







▼ 192hrs AFTER DRILLING 12.50 ft

GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
			Sample SB7a at 1.0'-2.0' bgs.			Road bed.		
	MAC	100		ML		1.0 SILTY fill with some gravel.	1	
						4.0		10-inch flush mount with locking cap and lock 10/20 sand
5	MAC	100		GW		Black GRAVELLY fill with silt		bentonite slurry
						8.0		schedule 40 PVC Riser
10	MAC	100	Sample SB7b at 11.0'-12.0' bgs.	CL- ML		Silty CLAY.	23	10/20 sand pack
						12.0 ▼ Soft, silty CLAY.		
15	MAC	100		CL- ML				
						16.0		Schedule 40 PVC with 0.01-inch mechine slotted screen
	MAC	100		GW		GRAVEL.		
20						20.0		2-inch PVC well point
						Bottom of hole at 20.0 feet.		

CLIENT <u>City of Dixon</u>	PROJECT NAME <u>Viaduct Point</u>
PROJECT NUMBER <u>17-382</u>	PROJECT LOCATION <u>78 & 86 Monroe Avenue and 501 and 511 1st Street</u>
DATE STARTED <u>6/12/17</u> COMPLETED <u>6/12/17</u>	GROUND ELEVATION _____ HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>IEPA - OSE</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	<u>▽</u> AT TIME OF DRILLING <u>16.00 ft</u>
LOGGED BY <u>Lance Range- OSE</u> CHECKED BY <u>Erica Toledo</u>	AT END OF DRILLING <u>---</u>
NOTES <u>DIMCO between Processing A & B</u>	AFTER DRILLING <u>---</u>

GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	MAC	100	Sample SB8a at 1.0'-2.0' bgs	GW		GRAVEL fill with crushed aggregate.	0.0
				2.0		Black GRAVEL fill with brick fragments fill.	0.0
5	MAC	100		GW		4.0	0.0
				SW		Redish brown SAND with some clayey silt.	0.0
10	MAC	100		SW		8.0	0.0
				CL- ML		Brown silty CLAY, low plasticity.	0.0
15	MAC	100	Sample SB8b at 15.0'-16.0' bgs	CL- ML		12.0	0.0
				CL- ML		Brownish gray, silty CLAY, increasing sand content at 15' bgs.	0.0
20	MAC	100		CL- ML		16.0 ▽	0.0
				GW		GRAVEL, saturated.	0.0
				GW		20.0	0.0
						Bottom of hole at 20.0 feet.	

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

WELL NUMBER SB9/ MW3

PAGE 1 OF 1

CLIENT City of Dixon

PROJECT NAME Viaduct Point

PROJECT NUMBER 17-382

PROJECT LOCATION 78 & 86 Monroe Avenue and 501 and 511 1st Street

DATE STARTED 6/1/17

COMPLETED 6/1/17

GROUND ELEVATION _____

HOLE SIZE 2"

DRILLING CONTRACTOR IEPA - OSE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

AT TIME OF DRILLING ---

LOGGED BY Lance Range- OSE CHECKED BY Erica Toledo

AT END OF DRILLING ---

NOTES DIMCO northwest corner of Property

▼ 192hrs AFTER DRILLING 11.30 ft

GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
			Sample SB9a at 0.0'-1.0' bgs.			Fill material with SAND.	0.0	
	MAC	100					0.0	
				ML		Black SILT with fill material with some bricks.	5	
							5	
5						Green tinted SILT.	5	
	MAC	100		ML			5	
							5	
10							5	
	MAC						5	
			Sample SB9b at 11.0'-12.0' bgs				7	
				ML		Green tinted sandy SILT, odorous.	10	
							10	
						Grayish green GRAVEL and sand, saturated.	0.0	
15				GW				
	MAC	100						
20						Bottom of hole at 20.0 feet.		

10-inch flush
mount with
locking cap and
lock

bentonite slurry

Schedule 40
PVC Riser

10/20 sand pack

Schedule 40
PVC with
0.01-inch
machine slotted
screen

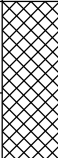
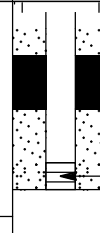




2-inch PVC well
point

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>Viaduct Point</u>	
PROJECT NUMBER <u>17-382</u>		PROJECT LOCATION <u>78 & 86 Monroe Avenue and 501 and 511 1st Street</u>	
DATE STARTED <u>6/13/17</u>		COMPLETED <u>6/13/17</u>	
DRILLING CONTRACTOR <u>IEPA - OSE</u>		GROUND ELEVATION _____ HOLE SIZE <u>2"</u>	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		GROUND WATER LEVELS:	
LOGGED BY <u>Lance Range- OSE</u>		AT TIME OF DRILLING <u>14.00 ft</u>	
CHECKED BY <u>Erica Toledo</u>		AT END OF DRILLING <u>---</u>	
NOTES <u>DIMCO West of Scrapping Area</u>		AFTER DRILLING <u>---</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	
5	MAC	100	Sample SB10a at 0.0'-1.0' bgs.	ML		Black to brown gravelly SILT, fill.	0.0	
				SW		Dry brown SAND, fill.	0.0	
							0.0	
							0.0	
10	MAC	38	Sample SB10b at 11.0'-12.0' bgs.	SW				0.0
						CL	Black silty CLAY.	0.0
				ML		Black clayey SILT		
SW	Gray gravelly SAND, moist to saturated at 14' bgs.	3						
		No Recovery.		0.0				
				3				
	15	MAC		50				
						Bottom of hole at 16.0 feet.		

CLIENT <u>City of Dixon</u>	PROJECT NAME <u>Viaduct Point</u>
PROJECT NUMBER <u>17-382</u>	PROJECT LOCATION <u>78 & 86 Monroe Avenue and 501 and 511 1st Street</u>
DATE STARTED <u>6/2/17</u> COMPLETED <u>6/2/17</u>	GROUND ELEVATION _____ HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>IEPA - OSE</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	<u>▽</u> AT TIME OF DRILLING <u>16.00 ft</u>
LOGGED BY <u>Katelyn Kane</u> CHECKED BY <u>Erica Toledo</u>	AT END OF DRILLING <u>---</u>
NOTES <u>DIMCO Magnetic Crane Area</u>	AFTER DRILLING <u>---</u>

GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM		
	MAC	80	Sample SB11a at 1.0'-2.0' bgs	GW		Crushed limestone aggregate fill with metal debris, well graded, dense, moist, dark brown.	0.0			
				SW		Wood fibers, medium SAND, well graded, dense, moist, medium brown, fill.	0.2			
5	MAC	88	Sample SG3 at 3.0'-3.5' bgs	ML		SILT, stiff, low plasticity, moist, very dark brown.	0.0			
							0.0			
							0.0			
10	MAC	100	Sample SB11b at 15.0'-16.0' bgs	CL		CLAY, low plasticity, medium stiff, moist, medium brown.	0.0			
							0.0			
15	MAC	100		CL		CLAY, low plasticity, soft, moist, light brown.	0.0			
				GP		Weathered LIMESTONE, loose, yellow, moist.	0.0			
				CL		CLAY, soft, low plasticity, moist, 10YR 4/4 dark yellowish brown.	0.0			
				SW		▽ Saturated with trace fine sand @ 16.0' bgs	0.0			
						Fine to coarse SAND, grading downward, loose, saturated, well graded, 10YR 6/7 brownish yellow.	0.0			
20	MAC	83					0.0			
						No Recovery.	0.0			
						Bottom of hole at 20.0 feet.				

CLIENT City of Dixon

PROJECT NAME Viaduct Point

PROJECT NUMBER 17-382

PROJECT LOCATION 78 & 86 Monroe Avenue and 501 and 511 1st Street

DATE STARTED 5/31/17

COMPLETED 5/31/17

GROUND ELEVATION _____

HOLE SIZE 2"

DRILLING CONTRACTOR IEPA - OSE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

▽ AT TIME OF DRILLING 15.50 ft

LOGGED BY Erica Toledo


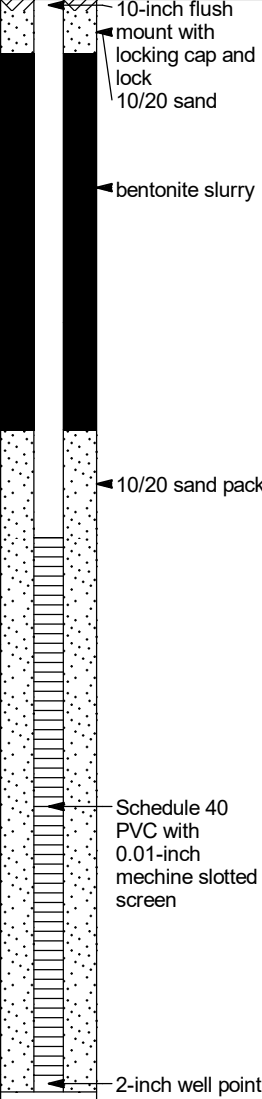





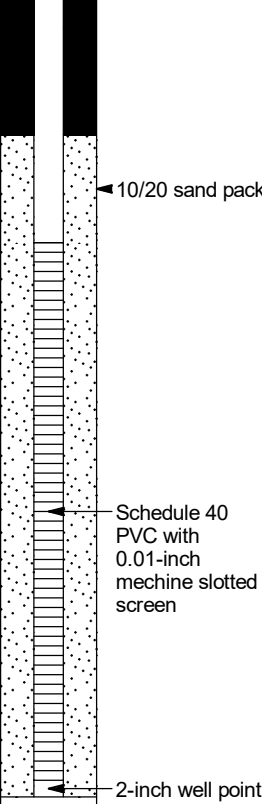





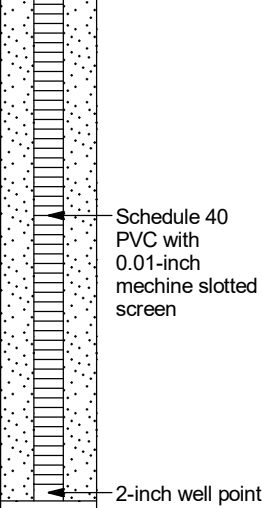





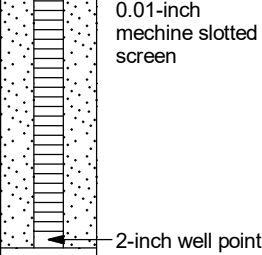




CHECKED BY Katelyn Kane

AT END OF DRILLING ---

NOTES DIMCO Claw Crane Area

▽ 216hrs AFTER DRILLING 11.80 ft

GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
5	MAC	78	Sample SB12a at 0.0'-1.0' bgs	SW-SM		Sandy SILT, with fine to coarse gravel fill, medium to dark brown.	169	
				ML		SILT, moist, dense, low plasticity, dark brown.	107	
						Wood fibers.	0.0	
				ML		SILT, wet, dense, low plasticity, dark brown.	15	
				SW		Fine to coarse SAND, light yellowish brown, moist to wet, low plasticity, loose.	9.6	
10	MAC	100	Sample SB12b at 8.0-9.0' bgs			SILT, medium brown, dense, moist, low plasticity.	13	
				ML			3	
							2.1	
				ML		SILT, medium orangish brown, medium plasticity.	1.3	
							0.0	
15	MAC	60	Moist and very soft @ 11.2'-12.9' bgs.				0.0	
							0.6	
							0.0	
				ML		SILT, light to medium orangish brown, low plasticity, soft, saturated.	0.3	
							0.0	
20	MAC	65					0.0	
							0.0	
				SW		Fine to coarse SAND with fine to coarse gravel, dense, saturated, light brown.	0.0	
							0.0	
				SW		Fine to coarse gravelly SAND, with fine to coarse gravel, light brown, saturated, some recovery loss throughout.	0.0	
			Bottom of hole at 20.0 feet.					

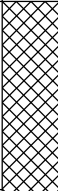



FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

BORING NUMBER SB13

PAGE 1 OF 1






CLIENT <u>City of Dixon</u>		PROJECT NAME <u>Viaduct Point</u>	
PROJECT NUMBER <u>17-382</u>		PROJECT LOCATION <u>78 & 86 Monroe Avenue and 501 and 511 1st Street</u>	
DATE STARTED <u>6/13/17</u>		COMPLETED <u>6/13/17</u>	
DRILLING CONTRACTOR <u>IEPA - OSE</u>		GROUND ELEVATION _____ HOLE SIZE <u>2"</u>	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		GROUND WATER LEVELS:	
LOGGED BY <u>Lance Range- OSE</u>		AT TIME OF DRILLING <u>14.00 ft</u>	
CHECKED BY <u>Erica Toledo</u>		AT END OF DRILLING <u>---</u>	
NOTES <u>DIMCO South side of Scrapping Area</u>		AFTER DRILLING <u>---</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MAC	100	Sample SB13a from 1.0'-2.0' bgs.	GW		Fill material with cinders.	0.0
						3.5	Dark brown silty CLAY.	0.0
	MAC	100		CL- ML			0.0
						8.0	Brown silty CLAY.	0.0
10	MAC	100	Sample SB13b from 12.0'-13.0' bgs.	CL- ML			0.0
15	MAC	100				14.0 ▽	1
				GW		GRAVEL, saturated.	.03
						16.0	
						Bottom of hole at 16.0 feet.	




GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>Viaduct Point</u>	
PROJECT NUMBER <u>17-382</u>		PROJECT LOCATION <u>78 & 86 Monroe Avenue and 501 and 511 1st Street</u>	
DATE STARTED <u>6/13/17</u>		COMPLETED <u>6/13/17</u>	
DRILLING CONTRACTOR <u>IEPA - OSE</u>		GROUND ELEVATION _____ HOLE SIZE <u>2"</u>	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		GROUND WATER LEVELS:	
LOGGED BY <u>Lance Range- OSE</u>		AT TIME OF DRILLING <u>13.00 ft</u>	
CHECKED BY <u>Erica Toledo</u>		AT END OF DRILLING <u>---</u>	
NOTES <u>DIMCO NE corner in Scrapping Area</u>		AFTER DRILLING <u>---</u>	

GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17


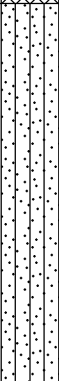



DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			Sample SB14a at 0.0'-1.0' bgs	GW		Fill, GRAVEL some sand, dark to black some silt.	15
5	MAC	100		ML		Brown slightly reddish, SILT.	0.0
10	MAC	100		ML		Light brown SILT.	0.0
			Sample SB14b at 11.0'-12.0' bgs	SM		Silty SAND.	0.0
15	MAC	100		SW		SAND, saturated at 13' bgs	0.0
						Bottom of hole at 16.0 feet.	

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>Viaduct Point</u>	
PROJECT NUMBER <u>17-382</u>		PROJECT LOCATION <u>78 & 86 Monroe Avenue and 501 and 511 1st Street</u>	
DATE STARTED <u>6/12/17</u>		COMPLETED <u>6/12/17</u>	
DRILLING CONTRACTOR <u>IEPA - OSE</u>		GROUND ELEVATION _____ HOLE SIZE <u>2"</u>	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		GROUND WATER LEVELS:	
LOGGED BY <u>Erica Toledo</u>		AT TIME OF DRILLING <u>14.50 ft</u>	
CHECKED BY <u>Katelyn Kane</u>		AT END OF DRILLING <u>---</u>	
NOTES <u>DIMCO west of east Auxiliary Building</u>		AFTER DRILLING <u>---</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	MAC	79	Sample SB16a at 1.0'-2.0' bgs	SW		Medium brown to very dark brown at 1.8' bgs, fine to coarse SAND and fine gravel with silt, dry, fill.	0.0
							0.0
							0.0
							0.0
5	MAC	100				Medium brown, SILT, medium plasticity, moist, stiff.	0.0
							0.0
							0.0
							0.0
10	MAC	100		ML			0.0
							0.0
							0.0
							0.0
							0.0
	MAC	92	Sample SB16b at 13.0-14.0' bgs				0.0
							0.0
							0.0
15				SW		Medium brown to yellowish brown, fine to coarse SAND with some fine to coarse gravel, medium dense, saturated.	0.0
						Bottom of hole at 15.0 feet.	

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>Viaduct Point</u>	
PROJECT NUMBER <u>17-382</u>		PROJECT LOCATION <u>78 & 86 Monroe Avenue and 501 and 511 1st Street</u>	
DATE STARTED <u>6/12/17</u>	COMPLETED <u>6/12/17</u>	GROUND ELEVATION _____	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>IEPA - OSE</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		▽ AT TIME OF DRILLING <u>15.50 ft</u>	
LOGGED BY <u>Erica Toledo</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY <u>Katelyn Kane</u>		AFTER DRILLING <u>---</u>	
NOTES <u>DIMCO btw E Auxilary and Knack Building C</u>			

GENERAL BH / TP / WELL KAK 17-382 SOIL BORING LOGS.GPJ GINT US.GDT 6/22/17

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			Sampled SB17a at 0.0'-1.0' bgs	SW		Medium to dark brown, fine to coarse SAND, with silt fill, dry, loose, well graded.	0.0
	MAC	92					0.0
							0.0
5					4.0		
				ML		Medium brown, SILT with fine to medium sand, medium plasticity, moist, medium dense.	0.0
	MAC	100					0.0
							0.5
							0.0
10					11.2		
				SM		Medium brown silty SAND, moderately dense, moist.	0.0
	MAC	88			12.0		
				ML		Light gray with light brown mottle, SILT with sand, moist, low plasticity.	0.0
			Sampled SB17b at 14.0'-15.0' bgs				0.0
	MAC	71					0.0
15					15.0		
				SW		▽ Light brown, fine to coarse SAND and gravel, saturated, loose.	0.0
					16.0		
						Bottom of hole at 16.0 feet.	

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 18-552

PROJECT LOCATION Dixon, IL

DATE STARTED 7/9/18

COMPLETED 7/9/18

GROUND ELEVATION 653.02 ft

HOLE SIZE 2"

DRILLING CONTRACTOR USE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

 AT TIME OF DRILLING 7.70 ft / Elev 645.32 ft

LOGGED BY Annie Ray

CHECKED BY Ross Grimes

AT END OF DRILLING ---

NOTES

AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	
5	MC	65	Sample 2-3'	GWS		0.6 Medium to coarse GRAVEL and SAND. Light gray (10YR 7/2), well graded, loose, dry.	652.4	
				1.0		652.0		
				CONCRETE				
				1.8 Medium to coarse SAND and GRAVEL. Yellowish brown (10YR 5/6), well graded, loose, dry.		651.2		
				2.2		650.8		
				CONCRETE				
				2.8		650.2		
				3.4 Medium to coarse SAND. Black (10YR 2/1) to brown (10YR 4/3), poorly graded, moist.		649.6		
				CONCRETE				
				6.7 Medium to coarse SAND and GRAVEL. Black (10YR 2/1), well graded, loose, moist.				
10	MC	85	Sample 4-5'	SWG		Dark yellowish brown (10YR 4/4) to grayish brown (10YR 5/2)	1.9	
						6.7 Black (10 YR 2/1), some slag/cinders	2.0	
15	MC	48	Sample 6-7'	CL-ML		SILTY CLAY. Black (10YR 2/1), medium stiff, low plasticity, moist.	44	
						7.7	2.7	
20	MC	25	Sample 8-9'	SWG		Medium to coarse SAND and fine GRAVEL. Black (10YR 2/1), well graded, saturated.	7.2	
15	MC	48	Sample 10-11'	CL-ML		SILTY CLAY. Black (10YR 2/1 to GLEY 2.5/N), medium stiff, low plasticity, saturated.	1.0	
						13.3	2.2	
20	MC	25	Sample 12-13'	SWG		Fine to coarse GRAVEL and SAND. Black (10YR 2/1), well graded, saturated.	5.2	
						more coarse SAND		
						Pale brown (10YR 6/3)	4.8	
20	MC	25	Sample 14-15'	SWG			8.8	
20	MC	25	Sample 16-17'	SWG				
20						20.0	633.0	
						Bottom of hole at 20.0 feet.		

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 18-552

PROJECT LOCATION Dixon, IL

DATE STARTED 7/9/18

COMPLETED 7/9/18

GROUND ELEVATION 652.65 ft

HOLE SIZE 2"

DRILLING CONTRACTOR OSE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

AT TIME OF DRILLING 12.00 ft / Elev 640.65 ft

LOGGED BY Annie Ray

CHECKED BY Ross Grimes

AT END OF DRILLING ---

NOTES










AFTER DRILLING ---

GENERAL BH / TP / WELL 18-552 DIMCO GRID SAMPLING STAGE 1.GPJ GINT US.GDT 8/31/18

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			Sample 0-1'			Fine to coarse SAND and GRAVEL. Brown (10YR 4/3) to brownish yellow (10YR 6/6), well graded, loose, dry.	1.2
	MC	88	Sample 2-3'	SWG		Black (10YR 2/1) to very dark brown (10YR 2/2), some SILT. Black (10YR 2/1), some slag/cinders	11.1 25.9
5			Sample 4-5'		4.4	Fine SAND and fine to coarse GRAVEL. Pale brown (10YR 6/3), well graded, loose.	648.3
	MC	100	Sample 6-7' & DUP01	ML		SILT. Black (10YR 2/1), medium stiff to stiff, moist.	5.2
			Sample 8-9'	SWG	8.5		644.2
					8.8	Medium to coarse SAND and GRAVEL. Yellowish brown (10YR 5/4), well graded, moist.	643.9
10	MC	100	Sample 10-11'	CL-ML		SILTY CLAY. Black (10YR 2/1), medium stiff, low plasticity	7.6
					10.7		642.0
			Sample 12-13'	CL		CLAY. Black (10YR 2/1), soft, medium plasticity.	6.4 9.0 9.2
					13.3	Greenish gray (GLEYS 1 5/5GY), wet.	639.4
15	MC	53	Sample 14-15'	SWG		Medium to coarse SAND and GRAVEL with some cinders/slag. Black (10YR 2/1). Wet.	3.8
					15.0		637.7
			Sample 16-17'	SWG		Coarse SAND with some fine to coarse GRAVEL. Gray (10YR 5/1) to yellowish brown (10YR 5/6), well graded, saturated.	1.8 10.5
20	MC	38			20.0		632.7
						Bottom of hole at 20.0 feet.	6.4 8.6

CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>18-552</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>7/10/18</u>	COMPLETED <u>7/10/18</u>
GROUND ELEVATION <u>652.58 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	▽ AT TIME OF DRILLING <u>11.30 ft / Elev 641.28 ft</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

GENERAL BH / TP / WELL 18-552 DIMCO GRID SAMPLING STAGE 1.GPJ GINT US.GDT 8/31/18

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	MC	75	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Very dark grayish brown (10YR 3/2) to brownish yellow (10YR 6/6), well graded, loose, dry.	0.0
			Sample 2-3'	SWG		Black (10YR 2/1), some SILT	0.0
						3.5 ----- 649.1	1.0
5	MC	100	Sample 4-5'	ML		SILT. Black (10YR 2/1), stiff, dry.	0.6
			Sample 6-7'	ML			0.0
						8.3 ----- 644.3	0.0
	MC	63	Sample 8-9'	CL-ML		SILTY CLAY. Black (10YR 2/1) to very dark brown (10YR 2/2), stiff, low plasticity, moist.	0.6
10			Sample 10-11'	CL		CLAY. Greenish gray (GLEYS 1 5/5G), soft to medium stiff, medium plasticity.	0.2
						10.1 ----- 642.5	0.0
			Sample 12-13'	CL		Wet	0.0
	MC	28		SWG		Medium SAND and fine to medium GRAVEL. Dark yellowish brown (10YR 4/6), well graded, loose, wet.	0.6
15						13.0 ----- 639.6	0.6
						14.5 ----- 638.1	0.6
	MC	35	Sample 16-17'	SWG		Medium to coarse SAND and fine GRAVEL. Yellowish brown (10YR 5/4), well graded, loose, saturated.	0.0
						20.0 ----- 632.6	0.0
20						Bottom of hole at 20.0 feet.	

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 18-552

PROJECT LOCATION Dixon, IL

DATE STARTED 7/10/18

COMPLETED 7/10/18

GROUND ELEVATION 652.27 ft

HOLE SIZE 2"

DRILLING CONTRACTOR OSE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

AT TIME OF DRILLING 13.00 ft / Elev 639.27 ft

LOGGED BY Annie Ray

CHECKED BY Ross Grimes

AT END OF DRILLING ---

NOTES

AFTER DRILLING ---

GENERAL BH / TP / WELL 18-552 DIMCO GRID SAMPLING STAGE 1.GPJ GINT US.GDT 8/31/18

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	MC	63	Sample 0-1'	SWG	1.0	Medium to coarse SAND and GRAVEL. Brownish yellow (10YR 6/6) to dark brown (10YR 3/3), well graded, loose, dry.	651.3
				SM	1.7	SILTY SAND with trace fine GRAVEL. Black (10YR 2/1), loose, dry, slight odor.	650.6
	MC	63	Sample 2-3'	ML	3.3	SILT. Black (10YR 2/1), medium stiff, dry.	649.0
				SWG	5.1	Fine to medium SAND with some fine to medium GRAVEL. Variable color - black (10YR 2/1), brown (10YR 4/3), very pale brown (10YR 7/4), well graded, dry.	647.2
5	MC	100	Sample 4-5'	ML		SILT. Black (10YR 2/1), medium stiff to stiff, dry.	2.0
	MC	63	Sample 6-7'	ML			9.7 1.0 0.8
			Sample 8-9'	CL-ML	8.4 9.0	SILTY CLAY. Black (10YR 2/1), low plasticity, medium stiff, moist. CLAY. Greenish gray (GLE Y 1 5/5GY), medium plasticity, soft, wet.	643.9 643.3
10	MC	63	Sample 10-11'	CL			0.0 0.5
	MC	53	Sample 12-13'	SWG	13.0	Medium to coarse SAND and GRAVEL. Gray (10YR 6/1), well-graded, loose, saturated.	639.3
				SWG	15.0	Coarse SAND with some fine subrounded GRAVEL. Pale brown (10YR 6/3) to brown (10YR 5/3), well graded, loose, saturated.	637.3
15	MC	38	Sample 16-17'	SWG			1.0 1.0
20					20.0	Bottom of hole at 20.0 feet.	632.3

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 18-552

PROJECT LOCATION Dixon, IL

DATE STARTED 7/10/18

COMPLETED 7/10/18

GROUND ELEVATION 652.00 ft

HOLE SIZE 2"

DRILLING CONTRACTOR USE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

 AT TIME OF DRILLING 11.20 ft / Elev 640.80 ft
























LOGGED BY Annie Ray

CHECKED BY Ross Grimes







AT END OF DRILLING ---

NOTES

AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	MC	73	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Dark brown (10YR 3/3) to brownish yellow (10YR 6/6), well graded, loose, dry.	0.0
			Sample 2-3' & DUP02			SILT. Black (10YR 2/1) to brown (10YR 4/3), stiff to medium stiff, no plasticity, moist.	0.0
5	MC	78	Sample 4-5'	ML		Medium to coarse GRAVEL (4.2-4.4' bgs). Very pale brown (10YR 7/3).	0.0
			Sample 6-7'				0.0
	MC	58	Sample 8-9'	SWG		Medium to coarse SAND with some fine subrounded GRAVEL. Dark yellowish brown (10YR 4/6) to yellowish brown (10YR 5/4) and light yellowish brown (10YR 6/4), well graded, loose, wet.	0.0
10	MC		Sample 10-11'				0.0
			Sample 12-13'				0.0
	MC	40					0.0
15	MC	33	Sample 16-17'				0.0
							0.0
20							0.0
							0.0
							0.0
							0.0
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
CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>18-552</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>7/12/18</u>	COMPLETED <u>7/12/18</u>	GROUND ELEVATION <u>656.89 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>	AT END OF DRILLING <u>---</u>	
NOTES _____		AFTER DRILLING <u>---</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	78	Sample 0-1'	SWG		1.0 Fine to coarse SAND and GRAVEL. Brown (10YR 4/3) to brownish yellow (10YR 6/6), well graded, loose, dry. 655.9	0.0
				ML		1.5 SILT. Very dark brown (10YR 2/2), very stiff to hard, no plasticity, dry. 655.4	
	MC	78	Sample 2-3'	CL-ML		SILTY CLAY. Dark brown (10YR 3/3), stiff, low to medium plasticity, moist.	0.0
							0.0
	MC	90	Sample 4-5'			4.7	652.2
				SPG		5.5 Fine SAND with some fine GRAVEL. Yellowish brown (10YR 5/6) to brown (10YR 4/3), dry, loose. 651.4	0.0
				CL		6.3 CLAY. Very dark grayish brown (10YR 3/2), soft, medium plasticity, moist. 650.6	0.0
				SWG		Coarse SAND and fine to coarse GRAVEL. Light yellowish brown (10YR 6/4), well graded, wet. 648.9	0.0
						8.0	
						Bottom of hole at 8.0 feet.	




CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>18-552</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>7/10/18</u>	COMPLETED <u>7/10/18</u>
DRILLING CONTRACTOR <u>OSE</u>	GROUND ELEVATION <u>651.86 ft</u>
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	HOLE SIZE <u>2"</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	GROUND WATER LEVELS:
	AT TIME OF DRILLING <u>---</u>
	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	90	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Dark brown (10YR 3/3) to yellow (10YR 7/6), well graded, loose, dry.	0.2
			Sample 2-3'	SWG		Some cinders/slag	0.2
				GP		Coarse GRAVEL. Yellow (10 YR 7/6), dry.	0.3
				GP		SILT. Black (10YR 2/1), stiff, dry.	0.1
			Sample 4-5'	ML			0.0
					5.0	Bottom of hole at 5.0 feet.	648.7 648.4 646.9



CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>18-552</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>7/10/18</u>	COMPLETED <u>7/10/18</u>
GROUND ELEVATION <u>651.88 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	78	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Brownish yellow (10YR 6/6), dark brown (10YR 3/3), and dark yellowish brown (10YR 4/6), well graded, loose, dry.	0.1
			Sample 2-3'			Some cinders/slag	649.6 0.1
	MC	88	Sample 4-5'	ML		SILT. Black (10YR 2/1) to very dark brown (10YR 2/2), medium stiff, no plasticity, moist.	0.0
							0.0
							0.0
				CL-ML		SILTY CLAY. Very dark brown (10YR 2/2), medium stiff, low plasticity, moist.	644.9 643.9 0.0
						Bottom of hole at 8.0 feet.	




CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>18-552</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>7/10/18</u>	COMPLETED <u>7/10/18</u>
DRILLING CONTRACTOR <u>OSE</u>	GROUND ELEVATION <u>651.44 ft</u>
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	HOLE SIZE <u>2"</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	GROUND WATER LEVELS:
	AT TIME OF DRILLING <u>---</u>
	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	90	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Very dark brown (10YR 2/2) to black (10YR 2/1), well graded, loose, dry.	0.0
			Sample 2-3' & DUP03				0.0
	MC	100	Sample 4-5'	ML		SILT. Black (10YR 2/1) to very dark brown (10YR 2/2), stiff, no plasticity, moist.	0.0
							0.0
							0.0
				CL-ML		SILTY CLAY. Very dark brown (10YR 2/2), medium stiff, low plasticity, moist.	0.0
						Bottom of hole at 8.0 feet.	

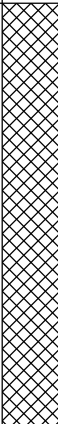
CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>18-552</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>
DRILLING CONTRACTOR <u>OSE</u>	GROUND ELEVATION <u>651.44 ft</u>
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	HOLE SIZE <u>2"</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	GROUND WATER LEVELS:
	AT TIME OF DRILLING <u>---</u>
	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	65	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL with some fine metal, glass, and slag. Very dark brown (10YR 2/2), grayish brown (10YR 5/2), and yellowish brown (10YR 4/4), well graded, loose, dry. 649.8	8.0
			Sample 2-3'	SP		Medium SAND with trace fine to medium GRAVEL. Yellowish brown (10YR 5/6), poorly graded, moist.	1.9 3.0
	MC	65	Sample 4-5'				
				CL		Light brownish gray (10YR 6/2), little fine to coarse GRAVEL. 645.6 CLAY. Very dark grayish brown (10YR 3/2) to greenish gray (GLEYS 1 5/10Y), medium stiff, medium plasticity, moist to wet. 643.4	1.7 1.3 0.3
						Bottom of hole at 8.0 feet.	




CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>18-552</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>
DRILLING CONTRACTOR <u>OSE</u>	GROUND ELEVATION <u>650.80 ft</u>
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	HOLE SIZE <u>2"</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	GROUND WATER LEVELS:
	AT TIME OF DRILLING <u>---</u>
	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	85	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL with trace metal. Very dark grayish brown (10YR 3/2) to black (10YR 2/1), well graded, loose, dry.	0.0
				SWG		Pale brown (10YR 6/3) to dark grayish brown (10YR 4/2)	649.0
	MC	63	Sample 2-3'			CONCRETE	648.4
						Medium to coarse SAND with little fine to coarse GRAVEL. Dark grayish brown (10YR 4/2), well graded, moist.	0.0
	MC	63	Sample 4-5'	SWG		Some CLAY, wet.	644.6
				CLS		SANDY CLAY. Yellowish brown (10YR 5/6), soft, low to medium plasticity.	642.8
						Bottom of hole at 8.0 feet.	





CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>18-552</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>	GROUND ELEVATION <u>650.56 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY <u>Ross Grimes</u>		AFTER DRILLING <u>---</u>	
NOTES _____			

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	83	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL with trace glass, brick, and metal. Very dark brown (10YR 2/2), well graded, loose, dry.	2.1
			Sample 2-3'			more SAND, yellowish brown (10YR 5/4)	2.6 1.4 1.3
	MC	68	Sample 4-5' & DUP05			Moist to wet	0.3 0.3 0.4 0.4
							642.6
							Bottom of hole at 8.0 feet.

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>18-552</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>	GROUND ELEVATION <u>650.85 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY <u>Ross Grimes</u>		AFTER DRILLING <u>---</u>	
NOTES _____			

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	75	Sample 0-1'			Fine to coarse SAND and GRAVEL with little metal, glass, and slag. Variable color - black (10YR 2/1), very dark grayish brown (10YR 3/2), brown (10YR 4/3), and light gray (10YR 7/2). Well graded, loose, dry.	105
			Sample 2-3'			Moist	12 63 47.8
	MC	100	Sample 4-5'		3.5	SILT. Black (10YR 2/1) to dark brown (10YR 3/3), medium stiff, no plasticity, moist.	647.4
				ML			4.9
					7.0		11.2 2.7 2.0
				CL-ML		SILTY CLAY. Dark brown (10YR 3/3), medium stiff, medium plasticity, moist.	643.9 642.9
					8.0	Bottom of hole at 8.0 feet.	

CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>18-552</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>
DRILLING CONTRACTOR <u>OSE</u>	GROUND ELEVATION <u>650.47 ft</u>
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	HOLE SIZE <u>2"</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	GROUND WATER LEVELS:
	AT TIME OF DRILLING <u>---</u>
	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	58	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL with trace wood and slag. Black (10YR 2/1), very pale brown (10YR 7/4), and light brownish gray (10YR 6/2), well graded, loose, dry.	0.8
			Sample 2-3'			Less gravel, moist to wet.	0.8 0.5
	MC	78	Sample 4-5'	ML		SILT. Black (10YR 2/1), medium stiff, no plasticity, moist.	0.2
				CL-ML		SILTY CLAY. Very dark brown (10YR 2/2), medium stiff, low plasticity.	0.2
				CL		CLAY. Very dark brown (10YR 2/2), soft, medium plasticity.	0.2
Bottom of hole at 8.0 feet.							

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 18-552

PROJECT LOCATION Dixon, IL

DATE STARTED 7/11/18

COMPLETED 7/11/18

GROUND ELEVATION 651.06 ft

HOLE SIZE 2"

DRILLING CONTRACTOR OSE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

AT TIME OF DRILLING 11.20 ft / Elev 639.86 ft

LOGGED BY Annie Ray

CHECKED BY Ross Grimes

AT END OF DRILLING ---





NOTES

AFTER DRILLING ---




GENERAL BH / TP / WELL 18-552 DIMCO GRID SAMPLING STAGE 1.GPJ GINT US.GDT 8/31/18

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Brown (10YR 4/3) to yellow (10YR 7/6), well graded, loose, dry.	0.0
	MC	88	Sample 2-3'			Cinders/slag (2.0-2.8' bgs)	0.0
					3.3	Very dark grayish brown (10YR 3/2)	647.8
5			Sample 4-5'	ML		SILT. Black (10YR 2/1) to very dark grayish brown (10YR 3/2), very stiff to stiff, no plasticity, dry.	0.0
	MC	98	Sample 6-7'				0.0
					7.6		643.5
			Sample 8-9'	CL-ML		SILTY CLAY. Very dark grayish brown (10YR 3/2) to very dark yellowish brown (10YR 4/4), medium stiff to soft, low plasticity, dry to moist.	0.0
10					9.9		641.2
	MC	60	Sample 10-11'	CL		CLAY. Dark yellowish brown (10YR 4/4), soft, medium plasticity, moist to wet.	0.0
					11.2		639.9
			Sample 12-13'	CLS		SANDY CLAY with some fine to coarse GRAVEL. Brown (10YR 5/3), soft, medium plasticity, saturated.	
					13.2		637.9
	MC	53		SWG		Fine to medium SAND with some fine to medium GRAVEL. Brown (10YR 5/3), well graded, saturated.	0.1
15					15.0	more coarse sand	636.1
			Sample 16-17'			Medium to coarse SAND with trace fine GRAVEL. Light yellowish brown (10 YR 6/4), poorly graded, saturated.	0.2
	MC	60	Sample 18-19'	SP			0.1
					20.0		631.1
20						Bottom of hole at 20.0 feet.	

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>18-552</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>	GROUND ELEVATION <u>650.84 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>	AT END OF DRILLING <u>---</u>	
NOTES _____		AFTER DRILLING <u>---</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	63	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Variable color - brown (10YR 4/3), yellow (10YR 7/6), black (10YR 2/1), and very dark brown (10YR 2/2). Well graded, loose, dry.	350 165
			Sample 2-3'			some CLAY.	300
	MC	90	Sample 4-5'	CL-ML		SILTY CLAY. Dark yellowish brown (10YR 4/4), medium stiff, low plasticity, moist.	647.6
				SWG		Medium to coarse SAND and little fine GRAVEL and brick. Very dark brown (10YR 2/2) and grayish brown (10YR 5/2), well graded, loose, moist.	645.8 645.1
				CL-ML		SILTY CLAY. Very dark brown (10YR 2/2), soft, low plasticity, moist.	4.5 11.5 3.1 2.5
Bottom of hole at 8.0 feet.							642.8

CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>18-552</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>
DRILLING CONTRACTOR <u>OSE</u>	GROUND ELEVATION <u>651.69 ft</u>
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	HOLE SIZE <u>2"</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	GROUND WATER LEVELS:
	AT TIME OF DRILLING <u>---</u>
	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	93	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL with some SILT. Very dark grayish brown (10YR 3/2) to light yellowish brown (10YR 6/4), well graded, loose, dry.	3.3
			Sample 2-3'				4.5 196 7.4
	MC	100	Sample 4-5'	ML		SILT. Black (10YR 2/1), Very hard, no plasticity, dry. medium stiff	648.4
				CL-ML			11.2
							6.9 1.4 5.4
						Bottom of hole at 8.0 feet.	644.9 643.7

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 18-552

PROJECT LOCATION Dixon, IL

DATE STARTED 7/10/18

COMPLETED 7/10/18

GROUND ELEVATION 652.00 ft

HOLE SIZE 2"

DRILLING CONTRACTOR OSE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

AT TIME OF DRILLING 12.00 ft / Elev 640.00 ft

LOGGED BY Annie Ray

CHECKED BY Ross Grimes

AT END OF DRILLING ---




NOTES

AFTER DRILLING ---




GENERAL BH / TP / WELL 18-552 DIMCO GRID SAMPLING STAGE 1.GPJ GINT US.GDT 8/31/18

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	MC	68	Sample 0-1'			Medium to coarse SAND and GRAVEL with brick. Dark brown (10YR 3/3), well graded, loose, dry.	0.1
			Sample 2-3'	SWG		Cinders/slag (2.0-2.7' bgs) Dark brown (10YR 3/3) to light yellowish brown (10YR 6/4)	0.6 0.1
5	MC	63	Sample 4-5'	SWG		Cinders/slag (5.0-5.6' bgs)	0.3
			Sample 6-7'	GP		Coarse GRAVEL. White (10YR 8/1), dry.	0.0
				SWG		Cinders/slag with some brick	
			Sample 8-9'	SM		SILTY SAND. Dark brown (10YR 3/3) to light yellowish brown (10YR 6/4).	0.0
10	MC	13				No Recovery	
			Sample 12-13'	CL		CLAY. Dark yellowish brown (10YR 4/4), soft, medium plasticity, wet.	0.0
	MC	38		SWG		Medium to coarse SAND and GRAVEL with some CLAY. Dark yellowish brown (10YR 4/4), wet.	0.0
15						Coarse SAND and fine to coarse GRAVEL. Dark yellowish brown (10YR 4/4), well graded, saturated.	0.0
	MC	40	Sample 16-17'	SWG			0.0 0.0
20						Bottom of hole at 20.0 feet.	




CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>18-552</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>
DRILLING CONTRACTOR <u>OSE</u>	GROUND ELEVATION <u>651.69 ft</u>
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	HOLE SIZE <u>2"</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	GROUND WATER LEVELS:
	AT TIME OF DRILLING <u>---</u>
	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	65	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Very dark grayish brown (10YR 3/2) and yellow (10YR 7/6), well graded, loose, dry.	3.2
			Sample 2-3'				1.3 5.8 1.7
	MC	100	Sample 4-5'	ML		SILT. Black (10YR 2/1), medium stiff, no plasticity, dry.	648.4
							1.9
							0.2 1.0 1.1
				CL-ML		7.5 8.0 SILTY CLAY. Very dark grayish brown (10YR 3/2), stiff, low plasticity, moist.	644.2 643.7
Bottom of hole at 8.0 feet.							

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>18-552</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>	GROUND ELEVATION <u>651.92 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY <u>Ross Grimes</u>		AFTER DRILLING <u>---</u>	
NOTES _____			

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	95	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Variable color - dark grayish brown (10YR 4/2), brownish yellow (10YR 6/6), very pale brown (10YR 8/4), and black (10YR 2/1). Well graded, loose, dry.	0.2
			Sample 2-3'				0.2 0.3
	MC	95	Sample 4-5' & DUP04	ML		3.2 Cinders/slag (2.9-3.2' bgs) 648.7 SILT. Black (10YR 2/1), stiff to medium stiff, no plasticity, dry.	0.3
							0.3
							0.4 0.2
				CL-ML		7.0 644.9 8.0 643.9 SILTY CLAY. Dark brown (10YR 3/3), stiff, low plasticity, moist.	0.2
						Bottom of hole at 8.0 feet.	

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>18-552</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>	GROUND ELEVATION <u>651.74 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>	AT END OF DRILLING <u>---</u>	
NOTES _____		AFTER DRILLING <u>---</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	95	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Variable color - dark brown (10YR 3/3), very dark brown (10YR 2/2), and yellow (10YR 7/6), well graded, loose, dry.	6.1
			Sample 2-3'			Cinders/slag (2.0-3.0' bgs)	0.7 1.4 1.2
			Sample 4-5'			SILT. Black (10YR 2/1), stiff, no plasticity, moist.	647.8
5	MC	100		ML			0.3 0.3 0.4
				CL-ML		7.6 8.0 SILTY CLAY. Very dark brown (10YR 2/2), medium stiff, low plasticity, moist.	644.1 643.7
						Bottom of hole at 8.0 feet.	

CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>18-552</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>
GROUND ELEVATION <u>651.63 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	
5	MC	90	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Very dark grayish brown (10YR 3/2) to black (10YR 2/1), well graded, loose, dry.	1.4	
			Sample 2-3'	SP		2.8 Cinders/slag (2.2-2.8' bgs) 648.8	1.4	
						3.8 Medium SAND. Yellowish brown (10YR 5/4), poorly graded, loose, moist. 647.8	5.7	
	MC	88	Sample 4-5'	SWG		5.2 Fine to coarse SAND and GRAVEL. Variable color - black (10YR 2/1), very pale brown (10YR 7/4), and very dark grayish brown (10YR 3/2). Well graded, loose, dry. 646.4	0.6	
				ML		6.1 SILT. Black (10YR 2/1), medium stiff, moist. 645.5	145	
				GP		6.6 Coarse angular GRAVEL. Very pale brown (10YR 8/3), loose, moist. 645.0		91
				ML		SILT. Black (10YR 2/1), stiff, no plasticity, moist.		5.6
						8.0 643.6		2.3
							Bottom of hole at 8.0 feet.	

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 18-552

PROJECT LOCATION Dixon, IL

DATE STARTED 7/11/18

COMPLETED 7/11/18

GROUND ELEVATION 651.88 ft

HOLE SIZE 2"

DRILLING CONTRACTOR OSE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

AT TIME OF DRILLING ---


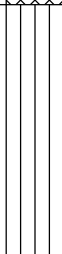
LOGGED BY Annie Ray

CHECKED BY Ross Grimes




AT END OF DRILLING ---

NOTES


AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	MC	88	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Very pale brown (10YR 7/4) and brown (10YR 4/3), well graded, loose, dry.	0.2
			Sample 2-3'			Cinders/slag and brick (2.5-3.3' bgs)	0.2 0.5 0.4
5	MC	95	Sample 4-5'	ML		SILT. Black (10YR 2/1), stiff, no plasticity, dry to moist.	0.4
						Bottom of hole at 8.0 feet.	643.9

CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>18-552</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>
DRILLING CONTRACTOR <u>OSE</u>	GROUND ELEVATION <u>651.17 ft</u>
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	HOLE SIZE <u>2"</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	GROUND WATER LEVELS:
	AT TIME OF DRILLING <u>---</u>
	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	88	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Very dark grayish brown (10YR 3/2) and brownish yellow (10YR 6/6), well graded, loose, dry.	0.2
			Sample 2-3'				0.2 0.6 0.4
			Sample 4-5'				
	MC	75		ML		SILT. Black (10YR 2/1), medium stiff, no plasticity, dry to moist.	646.5 0.6
				CL-ML		SILTY CLAY. Black (10YR 2/1), medium stiff, low plasticity, moist.	645.0 0.2 0.1
						Bottom of hole at 8.0 feet.	643.2

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>18-552</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>7/11/18</u>	COMPLETED <u>7/11/18</u>	GROUND ELEVATION <u>650.48 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY <u>Ross Grimes</u>		AFTER DRILLING <u>---</u>	
NOTES _____			

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	70	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Variable color - brown (10YR 4/3), very dark grayish brown (10YR 3/3), light yellowish brown (10YR 6/4), and yellow (10YR 7/6). Well graded, loose, dry.	0.0
			Sample 2-3'				0.0
			Sample 4-5'			wet	0.0
	MC	88	0.0				
8.0						Bottom of hole at 8.0 feet.	642.5


FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL




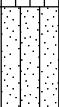
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PAGE 1 OF 1

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>18-552</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>7/12/18</u>	COMPLETED <u>7/12/18</u>	GROUND ELEVATION <u>650.44 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY <u>Ross Grimes</u>		AFTER DRILLING <u>---</u>	
NOTES _____			

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	70	Sample 0-1'	SWG		0.3 Fine to coarse GRAVEL and SAND with trace metal fragments. Brownish yellow (10YR 6/6), well graded, loose, dry. 650.1	0.1
			Sample 2-3'	SM		SILTY SAND. Black (10YR 2/1), fine to medium, loose, dry. some coarse GRAVEL (1.3-1.6' bgs), light yellowish brown (10YR 6/4)	
			Sample 4-5' & DUP06			4.0 646.4	
	MC	25		SWG		5.0 Fine to coarse SAND with little fine to medium GRAVEL. Brown (10YR 4/3), well graded, loose, moist. 645.4	0.0
						No recovery	0.0
						8.0 642.4	
						Bottom of hole at 8.0 feet.	

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>18-552</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>7/12/18</u>	COMPLETED <u>7/12/18</u>	GROUND ELEVATION <u>651.77 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY <u>Ross Grimes</u>		AFTER DRILLING <u>---</u>	
NOTES _____			

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	70	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL. Dark yellowish brown (10YR 3/4) and yellow (10YR 7/6), well graded, dry, loose. Some cinders/slag and glass (0.8-1.5' bgs)	6.6
			Sample 2-3'			SILT. Black (10YR 2/1), stiff to medium stiff, no plasticity, dry to moist.	0.3 4.2 3.4
	MC	80	Sample 4-5'	ML			1.7
				SM		SILTY SAND. Greenish gray (GLE Y 1 5/10Y) to dark greenish gray (GLE Y 1 4/10Y), poorly graded, loose, moist.	1.4 1.1 1.0
						Bottom of hole at 8.0 feet.	

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 18-552

PROJECT LOCATION Dixon, IL

DATE STARTED 7/12/18

COMPLETED 7/12/18

GROUND ELEVATION 651.93 ft

HOLE SIZE 2"

DRILLING CONTRACTOR OSE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

AT TIME OF DRILLING 11.50 ft / Elev 640.43 ft

LOGGED BY Annie Ray

CHECKED BY Ross Grimes

AT END OF DRILLING ---

NOTES

AFTER DRILLING ---

GENERAL BH / TP / WELL 18-552 DIMCO GRID SAMPLING STAGE 1.GPJ GINT US.GDT 8/31/18

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			Sample 0-1'		0.5	CONCRETE	651.4
				SWG	1.6	Fine to coarse SAND and GRAVEL with slag/cinders. Black (10YR 2/1), loose, well graded, dry.	1.3
			Sample 2-3'			Brown (10YR 5/3), no slag/cinders	650.3
						Lens of coarse angular gravel (1.5-1.6' bgs)	1.5
						SILT. Black (10YR 2/1) to very dark brown (10YR 2/2), medium stiff, no plasticity, dry.	
5			Sample 4-5'	ML			3.9
							4.8
			Sample 6-7'				2.2
							1.9
			Sample 8-9'		9.0	Soft	
				GP		Fine GRAVEL. Variable color, poorly graded.	642.9
10					10.1		4.2
			Sample 10-11'	CL-ML		SILTY CLAY. Brown (10YR 4/3), medium stiff to soft, low plasticity, moist to wet.	641.8
						Soft, saturated	6.5
							2.8
			Sample 12-13'		13.5		1.8
							1.2
			Sample 14-15'	CLS		SANDY CLAY. Gray (10YR 6/1), soft, medium plasticity, saturated. more sand, little fine to medium gravel.	638.4
15						less sand, no gravel, brown (10YR 4/3).	2.4
							0.9
			Sample 16-17'		17.0		4.0
				SM		SILTY SAND with some fine to coarse subrounded GRAVEL. Dark grayish brown (10YR 4/3), well graded, saturated.	634.9
					18.3		2.0
			Sample 18-19'			Coarse rounded to subrounded GRAVEL (18.0-18.3' bgs).	633.6
				SWG		Coarse SAND and fine to coarse subrounded GRAVEL. Well graded, loose, saturated.	633.6
					20.0		3.6
20							2.1
						Bottom of hole at 20.0 feet.	631.9

CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>18-552</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>7/12/18</u>	COMPLETED <u>7/12/18</u>
GROUND ELEVATION <u>651.90 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	75	Sample 0-1'	SWG		0.2 CONCRETE 651.7	0.9 1.0 0.7 0.7
				ML		1.0 Fine to coarse SAND and little fine GRAVEL. Very dark brown (10YR 2/2), well graded, loose, dry. 650.9	
			Sample 2-3'	ML		1.8 SILT. Black (10YR 2.1), stiff, dry. 650.1	
				SWG		2.7 Fine to medium SAND and GRAVEL with trace brick. Yellowish red (5YR 5/6) to gray (10YR 6/1), well graded, loose, dry. 649.2	
			Sample 4-5' & DUP07	ML		SILT. Black (10YR 2/1), stiff to medium stiff, no plasticity, dry to moist.	
8.0 643.9							
Bottom of hole at 8.0 feet.							

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 18-552

PROJECT LOCATION Dixon, IL

DATE STARTED 7/12/18

COMPLETED 7/12/18

GROUND ELEVATION 651.87 ft

HOLE SIZE 2"

DRILLING CONTRACTOR OSE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

AT TIME OF DRILLING 10.50 ft / Elev 641.37 ft

LOGGED BY Annie Ray

CHECKED BY Ross Grimes

AT END OF DRILLING ---

NOTES

AFTER DRILLING ---

GENERAL BH / TP / WELL 18-552 DIMCO GRID SAMPLING STAGE 1.GPJ GINT US.GDT 8/31/18

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			Sample 0-1'			0.5 CONCRETE 651.4	
							0.8
	MC	75	Sample 2-3'	SWG		Fine to coarse SAND and GRAVEL. Very dark grayish brown (10YR 3/2) to brown (10YR 5/3), well graded, dry.	0.7
						3.5 648.4	
5			Sample 4-5'			SILT. Very dark brown (10YR 2/2) to very dark grayish brown (10YR 3/2), medium stiff, no plasticity, moist.	0.6
	MC	100	Sample 6-7'	ML			0.4 0.6 0.8
			Sample 8-9'				
						9.2 642.7	0.4
10			Sample 10-11'	CL-ML		SILTY CLAY. Very dark grayish brown (10YR 3/2), stiff, low plasticity, moist.	0.4
	MC	80				10.5 641.4	
				CL		CLAY. Very dark grayish brown (10YR 3/2) to dark brown (10YR 3/3), medium stiff to soft, medium plasticity, wet.	
			Sample 12-13'			12.8 639.1	
				SWG		Medium to coarse SAND with little fine to medium GRAVEL. Brown (10YR 5/3), well graded, loose, wet.	14
	MC	68	Sample 14-15'	CL		13.5 638.4	
						14.0 637.9	3.0 98 412
15				SWG		CLAY. Black (GLEYS 1 2.5/N) to dark greenish gray (GLEYS 1 4/5GY), soft, medium plasticity, wet.	
						Coarse SAND and medium to coarse GRAVEL. Gray (10YR 6/1) to brownish yellow (10YR 6/6), well graded, odor, saturated.	
			Sample 16-17'			16.1 635.8	
							39
	MC	83	Sample 18-19'	SP		Coarse SAND with little subrounded GRAVEL. Brown (10YR 5/3), poorly graded, saturated.	435 30 15
20						20.0 631.9	
						Bottom of hole at 20.0 feet.	

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 18-552

PROJECT LOCATION Dixon, IL

DATE STARTED 7/12/18

COMPLETED 7/12/18

GROUND ELEVATION 651.86 ft

HOLE SIZE 2"

DRILLING CONTRACTOR OSE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

AT TIME OF DRILLING 11.00 ft / Elev 640.86 ft

LOGGED BY Annie Ray

CHECKED BY Ross Grimes

AT END OF DRILLING ---

NOTES

AFTER DRILLING ---

GENERAL BH / TP / WELL 18-552 DIMCO GRID SAMPLING STAGE 1.GPJ GINT US.GDT 8/31/18

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			Sample 0-1'			0.5 CONCRETE 651.4	
				GP		0.7 Medium to coarse GRAVEL (base course). 651.2	
				SP		1.0 Medium SAND. Very pale brown (10YR 7/3), poorly graded, loose, dry. 650.9	0.7
	MC	55	Sample 2-3'	SWG		Medium to coarse SAND with trace fine to medium GRAVEL, glass, and cinders/slag. Black (10YR 2/1). Moist.	0.7
						3.1 SILT. Black (10YR 2/1), stiff, no plasticity, moist. 648.8	
5			Sample 4-5'	ML			0.4
	MC	38	Sample 6-7'			6.8 SILTY CLAY. Very dark gray (10YR 3/1), medium stiff, low plasticity, moist. 645.1	0.3
			Sample 8-9'	CL-ML		9.0 CLAY. Very dark gray (10YR 3/1), soft, medium plasticity, moist to wet. 642.9	0.7
10			Sample 10-11'	CL		Greenish gray (GLEY 1 5/5GY), saturated.	1.89
	MC	45	Sample 12-13'			13.2 SANDY CLAY. Greenish gray (GLEY 1 5/10Y), soft, medium plasticity. 638.7	0.3
			Sample 14-15'	CLS		14.1 Medium to coarse SAND and subrounded GRAVEL. Light gray (10YR 7/1) to brownish yellow (10 YR 6/6), well graded, loose, saturated. 637.8	0.2
15			Sample 16-17'	SWG			0.4
	MC	53	Sample 18-19'	SP		17.8 Medium SAND. Brownish yellow (10YR 6/6), poorly graded, loose. 634.1	1.4
20						20.0 Bottom of hole at 20.0 feet. 631.9	0.8
							0.4

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>18-552</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>7/13/18</u>	COMPLETED <u>7/13/18</u>	GROUND ELEVATION <u>654.35 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>OSE</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6600 Truck Mounted Macro-Core Sampler</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>	AT END OF DRILLING <u>---</u>	
NOTES _____		AFTER DRILLING <u>---</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC	75	Sample 0-1'	SPG	0.3	CONCRETE	654.1
					0.8	Fine SAND and GRAVEL. Brownish yellow (10YR 6/8), loose, dry.	653.6
				ML	1.6	SILT. Dark yellowish brown (10YR 4/4) to very dark grayish brown (10YR 3/2), stiff to very stiff, no plasticity, dry.	652.8
	MC	100	Sample 2-3' & DUP08	SWG		Fine to coarse SAND and GRAVEL with trace wood. Grayish brown (10YR 5/2), brownish yellow (10YR 6/6), and black (10YR 2/1), well graded, loose, dry, odor.	0.6 19.7 14.7
			Sample 4-5'			moist	18.7
					6.0		648.4
				ML		SILT. Black (10YR 2/1), stiff to medium stiff, no plasticity, moist.	24 10.9 13.1
					8.0		646.4
						Bottom of hole at 8.0 feet.	

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 18-552

PROJECT LOCATION Dixon, IL

DATE STARTED 7/13/18

COMPLETED 7/13/18

GROUND ELEVATION 653.63 ft

HOLE SIZE 2"

DRILLING CONTRACTOR OSE

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6600 Truck Mounted Macro-Core Sampler

AT TIME OF DRILLING 11.10 ft / Elev 642.53 ft

LOGGED BY Annie Ray

CHECKED BY Ross Grimes

AT END OF DRILLING ---

NOTES

AFTER DRILLING ---

GENERAL BH / TP / WELL 18-552 DIMCO GRID SAMPLING STAGE 1.GPJ GINT US.GDT 8/31/18

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			Sample 0-1'	SWG	0.3	CONCRETE	653.3
				ML	0.4	Fine to medium SAND and fine GRAVEL. Brownish yellow (10YR 6/8), loose, dry.	653.2
					1.3		652.4
	MC	88	Sample 2-3'	SWG		SILT. Brownish yellow (10YR 6/8) to black (10YR 2/1), very stiff, dry.	2.3
						Fine to coarse SAND and GRAVEL. Variable color - very dark brown (10YR 2/2), pale brown (10 YR 6/3), black (10YR 2/1), well graded, loose, dry.	6.6
							12.5
5			Sample 4-5'		5.0	Black (10YR 2/1). trace slag and glass	648.6
	MC	63	Sample 6-7' & DUP09	ML		SILT. Black (10YR 2/1), medium stiff, moist.	7.3
					7.3		8.8
							6.9
			Sample 8-9'			SILTY SAND. Greenish gray (GLE Y 1 5/10Y), poorly graded, medium dense, moist to wet.	646.4
10			Sample 10-11'	SM		More silt.	5.2
	MC	58				∇ wet	4.0
							5.0
			Sample 12-13'		13.4		640.2
	MC	63	Sample 14-15'	CLS		SANDY CLAY. Greenish gray (GLE Y 1 5/5GY), soft, low to medium plasticity, saturated.	1.6
15					16.6		637.0
			Sample 16-17'	SWG		Fine to coarse GRAVEL and coarse SAND. Gray (10YR 6/1) to light yellowish brown (10YR 6/4), well graded, saturated.	3.2
	MC	63			18.2		635.4
			Sample 18-19'	SP		Fine to medium SAND. Poorly graded.	3.1
20					20.0		633.6
						Bottom of hole at 20.0 feet.	

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>17-570H</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>8/2/18</u>	COMPLETED <u>8/2/18</u>	GROUND ELEVATION <u>650.86 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>GeoServe Inc.</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Geoprobe 6610 DT</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>	AT END OF DRILLING <u>---</u>	
NOTES		AFTER DRILLING <u>---</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	DT	42	Sample 0-1'		0.7	CONCRETE	650.2
			Sample 2-3'	SPG	2.9	Fine to coarse SAND and GRAVEL. Dark yellowish brown (10YR 4/4), well graded, loose, dry.	0.3 0.5
	DT	75	Sample 4-5'	CL-ML	5.0	SILTY CLAY. Black (10YR 2/1), soft, low plasticity, moist.	2.2
						Bottom of hole at 5.0 feet.	

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 17-570H

PROJECT LOCATION Dixon, IL

DATE STARTED 8/2/18

COMPLETED 8/2/18

GROUND ELEVATION 652.68 ft

HOLE SIZE 2"

DRILLING CONTRACTOR GeoServe Inc.

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6610 DT

▽ AT TIME OF DRILLING 10.50 ft / Elev 642.18 ft




LOGGED BY Annie Ray

CHECKED BY Ross Grimes

AT END OF DRILLING ---

NOTES

AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	DT	63	Sample 0-1'	SWG		Medium to coarse SAND and GRAVEL. Brownish yellow (10YR 6/6), well graded, loose, dry.	0.0
				SWG		Very dark grayish brown (10YR 3/2) 651.2	9.4
				ML		SILT. Black (10YR 2/1), stiff, no plasticity, dry to moist. 650.7	0.0
5	DT	33	Sample 2-3' & DUP10	SWG		Medium to coarse SAND and some fine GRAVEL. Very dark brown (10YR 2/2), well graded, loose, moist.	11.5
				SWG		5.2 647.5	7.9
				SP		Fine to coarse SAND. Light yellowish brown (10YR 6/4), poorly graded, moist.	7.4
10	DT	60	Sample 4-5'	ML		8.2 644.5	18.0
				ML		SILT. Black (10YR 2/1), soft to medium stiff, no plasticity, moist.	14.2
				ML		▽ Greenish black (GLEY 1 2.5/10Y) moist to wet. Saturated	14.3
						12.0 640.7	
						Bottom of hole at 12.0 feet.	

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 17-570H

PROJECT LOCATION Dixon, IL

DATE STARTED 8/2/18

COMPLETED 8/2/18

GROUND ELEVATION 652.01 ft

HOLE SIZE 2"

DRILLING CONTRACTOR GeoServe Inc.

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6610 DT

▽ AT TIME OF DRILLING 12.50 ft / Elev 639.51 ft

LOGGED BY Annie Ray

CHECKED BY Ross Grimes

AT END OF DRILLING ---




NOTES

AFTER DRILLING ---

GENERAL BH / TP / WELL 17-570H DIMCO GRID SAMPLING STAGE 2.GPJ GINT US.GDT 8/31/18

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	DT	63	Sample 0-1'	SWG	0.8	Fine to medium SAND with little fine to medium GRAVEL. Brown (10YR 4/3) to yellow (10YR 7/6), well graded, loose, dry.	651.2
				ML	1.8	SILT. Very dark brown (10YR 2/2), medium stiff, no plasticity, dry.	650.2
5	DT	50	Sample 2-3'	SPG		Medium SAND. Very dark yellowish brown (10YR 3/6) to brown (7.5YR 4/4), loose, dry. Some SILT (2.0-2.2' bgs) Very dark brown (10YR 2/2) to dark brown (10YR 3/3), some fine GRAVEL and slag.	0.0
			Sample 4-5'			Brown (7.5YR 4/4) (10YR 4/3) trace GRAVEL	0.0
10	DT	46	Sample 6-7' & DUP11	SC	7.5		644.5
			Sample 8-9'	SWG	8.3	Fine to medium SAND with some CLAY. Very dark grayish brown (10YR 3/2), medium cohesive, moist.	643.7
15	DT	67	Sample 10-11'			Black (10YR 2/1), trace slag (10-10.5' bgs)	0.0
			Sample 12-13'	SC	12.2		639.8
20	DT	63		GWS	12.5	▽ SANDY CLAY. Black (GLE Y1 2.5/N) to Greenish black (GLE Y1 2.5/10Y)	639.5
			Sample 14-15'		14.0	Fine to medium GRAVEL and SAND. Black (GLE Y1 2.5/N) to Greenish black (GLE Y1 2.5/10Y), well graded, wet. Yellow (10YR 7/6)	638.0
			Sample 16-17'	SPG		Fine to coarse SAND with trace fine GRAVEL. Yellowish brown (10YR 5/4), poorly graded, satuated.	0.0
			Sample 18-19'				0.0
					20.0		632.0
						Bottom of hole at 20.0 feet.	

CLIENT <u>City of Dixon</u>	PROJECT NAME <u>DIMCO</u>
PROJECT NUMBER <u>17-570H</u>	PROJECT LOCATION <u>Dixon, IL</u>
DATE STARTED <u>8/2/18</u>	COMPLETED <u>8/2/18</u>
DRILLING CONTRACTOR <u>GeoServe Inc.</u>	GROUND ELEVATION <u>651.97 ft</u>
DRILLING METHOD <u>Geoprobe 6610 DT</u>	HOLE SIZE <u>2"</u>
LOGGED BY <u>Annie Ray</u>	CHECKED BY <u>Ross Grimes</u>
NOTES	GROUND WATER LEVELS:
	AT TIME OF DRILLING <u>---</u>
	AT END OF DRILLING <u>---</u>
	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	DT	53	Sample 0-1'	SWG		Fine to coarse SAND with some fine to medium GRAVEL and SILT. Black (10YR 2/1) to very dark brown (10YR 2/2), dry to moist.	0.0
			Sample 2-3'	ML		SILT. Very dark brown (10YR 2/2) to very dark grayish brown (10YR 3/2), medium stiff, no plasticity, moist.	0.0
	DT	100	Sample 4-5'			Bottom of hole at 5.0 feet.	0.0

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

BORING NUMBER SB55

PAGE 1 OF 1

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 17-570H

PROJECT LOCATION Dixon, IL

DATE STARTED 8/2/18

COMPLETED 8/2/18

GROUND ELEVATION 651.44 ft

HOLE SIZE 2"

DRILLING CONTRACTOR GeoServe Inc.

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6610 DT

▽ AT TIME OF DRILLING 10.30 ft / Elev 641.14 ft

LOGGED BY Annie Ray

CHECKED BY Ross Grimes

AT END OF DRILLING ---


NOTES

AFTER DRILLING ---


GENERAL BH / TP / WELL 17-570H DIMCO GRID SAMPLING STAGE 2.GPJ GINT US.GDT 8/31/18

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL with some SILT. Very dark grayish brown (10YR 3/2) to dark brown (10YR 3/3), well graded, loose, dry.	0.0
	DT	100	Sample 2-3'		1.8	SILT. Very dark brown (10YR 2/2) to dark brown (10YR 3/3), stiff, no plasticity, dry to moist.	0.0
			Sample 4-5'	ML			0.0
5	DT	60	Sample 6-7'		7.3	SILTY CLAY. Dark yellowish brown (10YR 4/4), soft, low plasticity, moist.	0.0
			Sample 8-9'	CL-ML			0.0
10	DT	58	Sample 10-11'		10.3 ▽	some fine SAND, brown (10YR 5/3), moist to wet	0.0
			Sample 12-13'			Fine to coarse SAND and GRAVEL. Yellowish brown (10YR 5/4) to yellow (10YR 7/6), well graded, saturated	0.0
	DT	48	Sample 14-15'	SWG		more coarse GRAVEL	0.0
15			Sample 16-17'				0.0
	DT	50	Sample 18-19'			more coarse SAND, fine GRAVEL, pale brown (10YR 6/3)	0.0
20					20.0	Bottom of hole at 20.0 feet.	631.4

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>17-570H</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>8/2/18</u>		COMPLETED <u>8/2/18</u>	
DRILLING CONTRACTOR <u>GeoServe Inc.</u>		GROUND ELEVATION <u>651.16 ft</u>	
DRILLING METHOD <u>Geoprobe 6610 DT</u>		HOLE SIZE <u>2"</u>	
LOGGED BY <u>Annie Ray</u>		GROUND WATER LEVELS:	
CHECKED BY <u>Ross Grimes</u>		AT TIME OF DRILLING <u>---</u>	
NOTES		AT END OF DRILLING <u>---</u>	
		AFTER DRILLING <u>---</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	DT	63	Sample 0-1'	SWG		Fine to medium SAND and GRAVEL with some SILT. Dark brown (10YR 3/3) to black (10YR 2/1), well graded, loose, dry.	0.1
	DT	100	Sample 2-3'	CL-ML		SILTY CLAY. Very dark brown (10YR 2/2) to very dark grayish brown (10YR 3/2), soft, low plasticity, moist.	0.1 0.2
	DT	100	Sample 4-5'			Bottom of hole at 5.0 feet.	0.0

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>17-570H</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>8/2/18</u>	COMPLETED <u>8/2/18</u>	GROUND ELEVATION <u>651.49 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>GeoServe Inc.</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Hand Auger</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>		AT END OF DRILLING <u>---</u>	
CHECKED BY <u>Ross Grimes</u>		AFTER DRILLING <u>---</u>	
NOTES <u>Berm Material</u>			

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	AU	Sample 0-1'	SWG		Fine to medium SAND and GRAVEL with little roots, metal, and glass. Very dark grayish brown (10YR 3/2), well graded, loose, dry.	0.8
		Sample 2-3'	SWG		Dark brown (10YR 3/3)	1.0 1.6 0.6
		Sample 4-5'	SWG		Medium SAND with some CLAY and medium to coarse GRAVEL. Medium cohesive, dry.	0.7
					Bottom of hole at 5.0 feet.	647.5 646.5

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ENGINEERING & ENVIRONMENTAL

BORING NUMBER SB58

PAGE 1 OF 1

CLIENT <u>City of Dixon</u>		PROJECT NAME <u>DIMCO</u>	
PROJECT NUMBER <u>17-570H</u>		PROJECT LOCATION <u>Dixon, IL</u>	
DATE STARTED <u>8/2/18</u>	COMPLETED <u>8/2/18</u>	GROUND ELEVATION <u>650.97 ft</u>	HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>GeoServe Inc.</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Hand Auger</u>		AT TIME OF DRILLING <u>---</u>	
LOGGED BY <u>Annie Ray</u>		CHECKED BY <u>Ross Grimes</u>	
NOTES <u>Berm Material</u>		AT END OF DRILLING <u>---</u>	
		AFTER DRILLING <u>---</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	AU	Sample 0-1'	SWG		Fine to coarse SAND and GRAVEL with some metal and glass. Brown (10YR 4/3), well graded, loose, dry.	0.0
		Sample 2-3'				0.0
					3.0	648.0
					3.1 Refusal @ 3' due to metal/concrete	647.9
					Bottom of hole at 3.0 feet.	

CLIENT City of Dixon

PROJECT NAME DIMCO

PROJECT NUMBER 17-570H

PROJECT LOCATION Dixon, IL

DATE STARTED 8/2/18

COMPLETED 8/2/18

GROUND ELEVATION 651.31 ft

HOLE SIZE 2"

DRILLING CONTRACTOR GeoServe Inc.

GROUND WATER LEVELS:

DRILLING METHOD Geoprobe 6610 DT

▽ AT TIME OF DRILLING 12.00 ft / Elev 639.31 ft

LOGGED BY Annie Ray


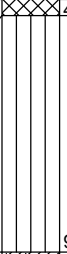


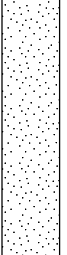
CHECKED BY Ross Grimes

AT END OF DRILLING ---

NOTES

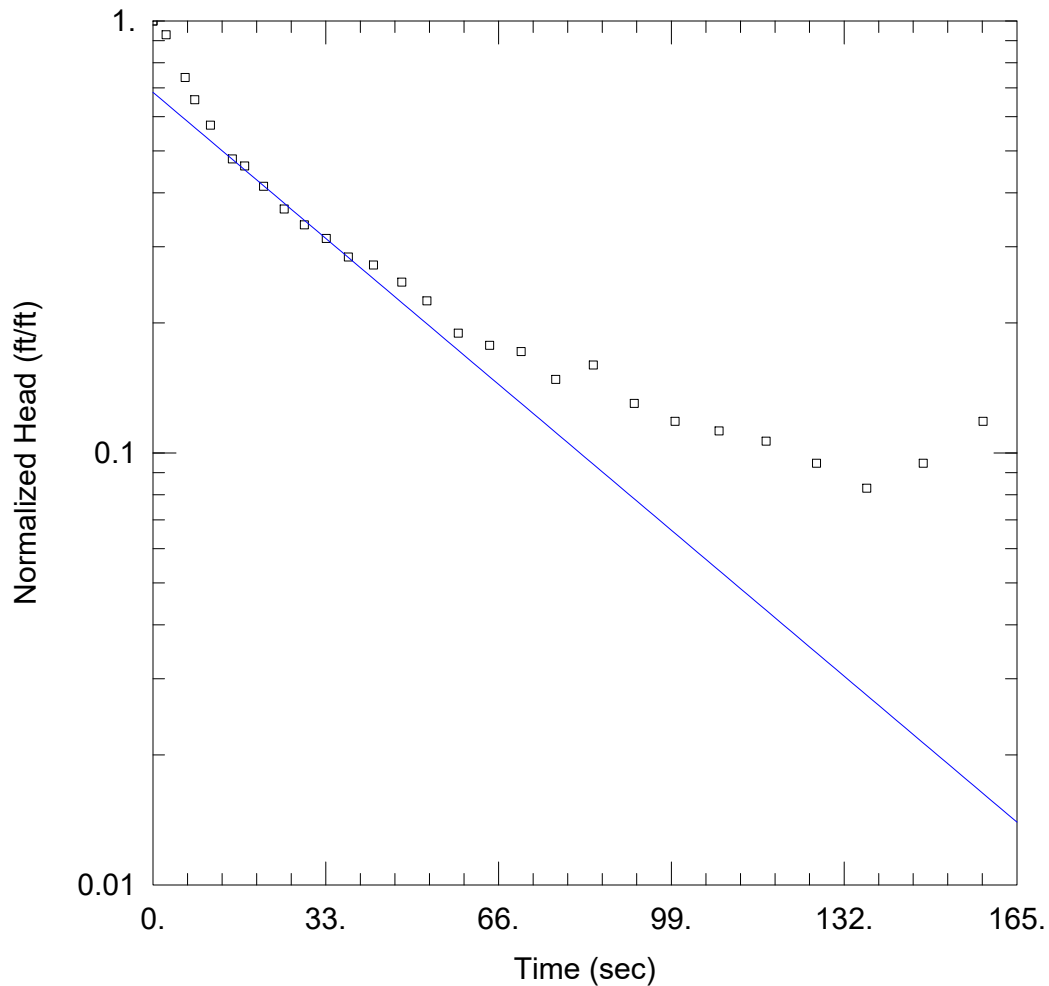
AFTER DRILLING ---

GENERAL BH / TP / WELL 17-570H DIMCO GRID SAMPLING STAGE 2.GPJ GINT US.GDT 8/31/18

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	DT	58	SWG		Fine to coarse SAND and GRAVEL. Dark grayish brown (10YR 4/2) to very pale brown (10YR 7/3), well graded, loose, dry Black (10YR 2/1), slag/asphalt	0.8 2.4
5	DT	38	SP		4.3 4.6 Medium to coarse SAND. Grayish brown (10YR 5/2), poorly graded, loose, dry. SILT. Very dark grayish brown (10YR 3/2), medium stiff to soft, no plasticity, dry to moist.	647.0 646.7 0.4 0.2
10	DT	65	CLS		9.0 SANDY CLAY. Dark yellowish brown (10YR 4/4), soft, low plasticity. Moist Wet ▽ Less SAND, medium plasticity, saturated.	642.3 0.2 0.2 0.1
15	DT	58	SWG		13.8 more SAND, little subrounded medium to coarse GRAVEL 15.1 Coarse SAND with some fine to medium GRAVEL. Brown (10YR 5/3) to very pale brown (10YR 7/3), subrounded, loose, saturated.	637.5 0.0 0.0
20	DT	65	SP		15.1 Fine to coarse SAND. Yellowish brown (10YR 5/4), poorly graded, loose, saturated.	636.2 0.0 0.0
	DT	75			24.0 Bottom of hole at 24.0 feet.	627.3 0.0 0.0

Appendix D

Hydraulic Conductivity Test Analysis



MW4 FH1

Data Set: O:\...\MW4 IN1.aqt

Date: 10/22/18

Time: 10:42:00

PROJECT INFORMATION

Company: Fehr Graham

Client: City of Dixon

Project: 17-570H

Location: Dixon, IL

Test Well: MW4

Test Date: 9/27/2018

AQUIFER DATA

Saturated Thickness: 20. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW4)

Initial Displacement: 0.169 ft

Static Water Column Height: 9.72 ft

Total Well Penetration Depth: 9.72 ft

Screen Length: 9.72 ft

Casing Radius: 0.0833 ft

Well Radius: 0.333 ft

Gravel Pack Porosity: 0.32

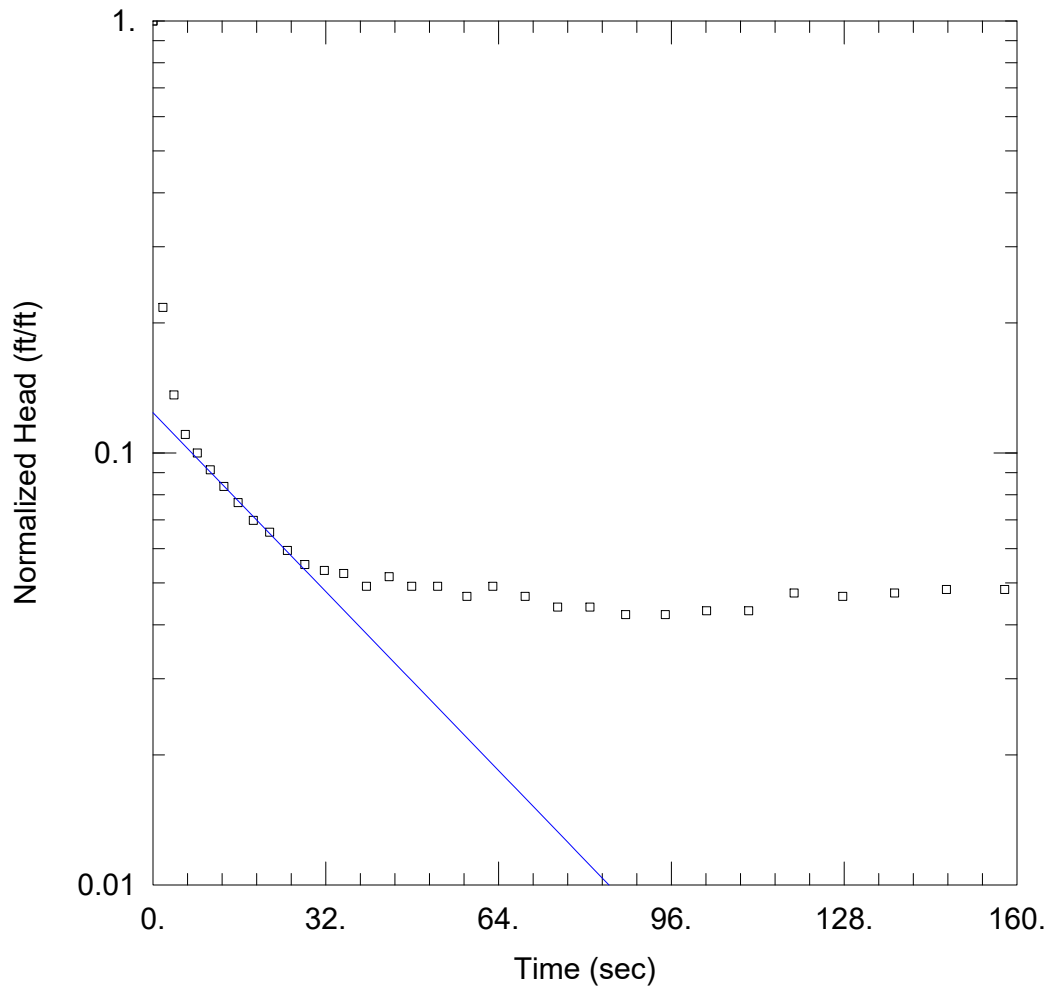
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 0.003266 cm/sec

y0 = 0.1155 ft



MW4 FH2

Data Set: O:\...\MW4 IN2.aqt

Date: 10/22/18

Time: 10:44:36

PROJECT INFORMATION

Company: Fehr Graham

Client: City of Dixon

Project: 17-570H

Location: Dixon, IL

Test Well: MW4

Test Date: 9/27/2018

AQUIFER DATA

Saturated Thickness: 20. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW4)

Initial Displacement: 1.16 ft

Static Water Column Height: 9.72 ft

Total Well Penetration Depth: 9.72 ft

Screen Length: 9.72 ft

Casing Radius: 0.0833 ft

Well Radius: 0.333 ft

Gravel Pack Porosity: 0.32

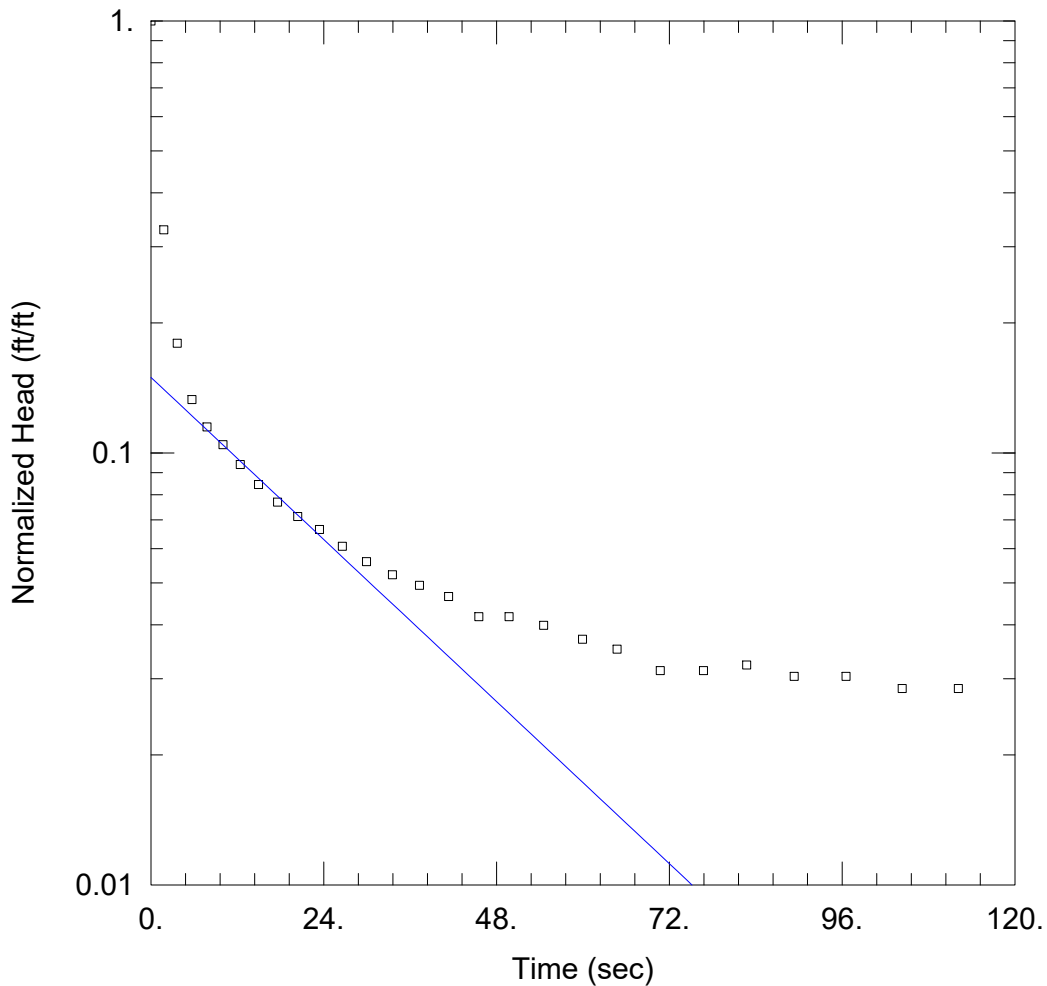
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

$K = 0.004128$ cm/sec

$y_0 = 0.1437$ ft



MW4 FH3

Data Set: O:\...\MW4 IN3.aqt

Date: 10/22/18

Time: 10:46:11

PROJECT INFORMATION

Company: Fehr Graham

Client: City of Dixon

Project: 17-570H

Location: Dixon, IL

Test Well: MW4

Test Date: 9/27/2018

AQUIFER DATA

Saturated Thickness: 20. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW4)

Initial Displacement: 1.053 ft

Total Well Penetration Depth: 9.72 ft

Casing Radius: 0.0833 ft

Static Water Column Height: 9.72 ft

Screen Length: 9.72 ft

Well Radius: 0.333 ft

Gravel Pack Porosity: 0.32

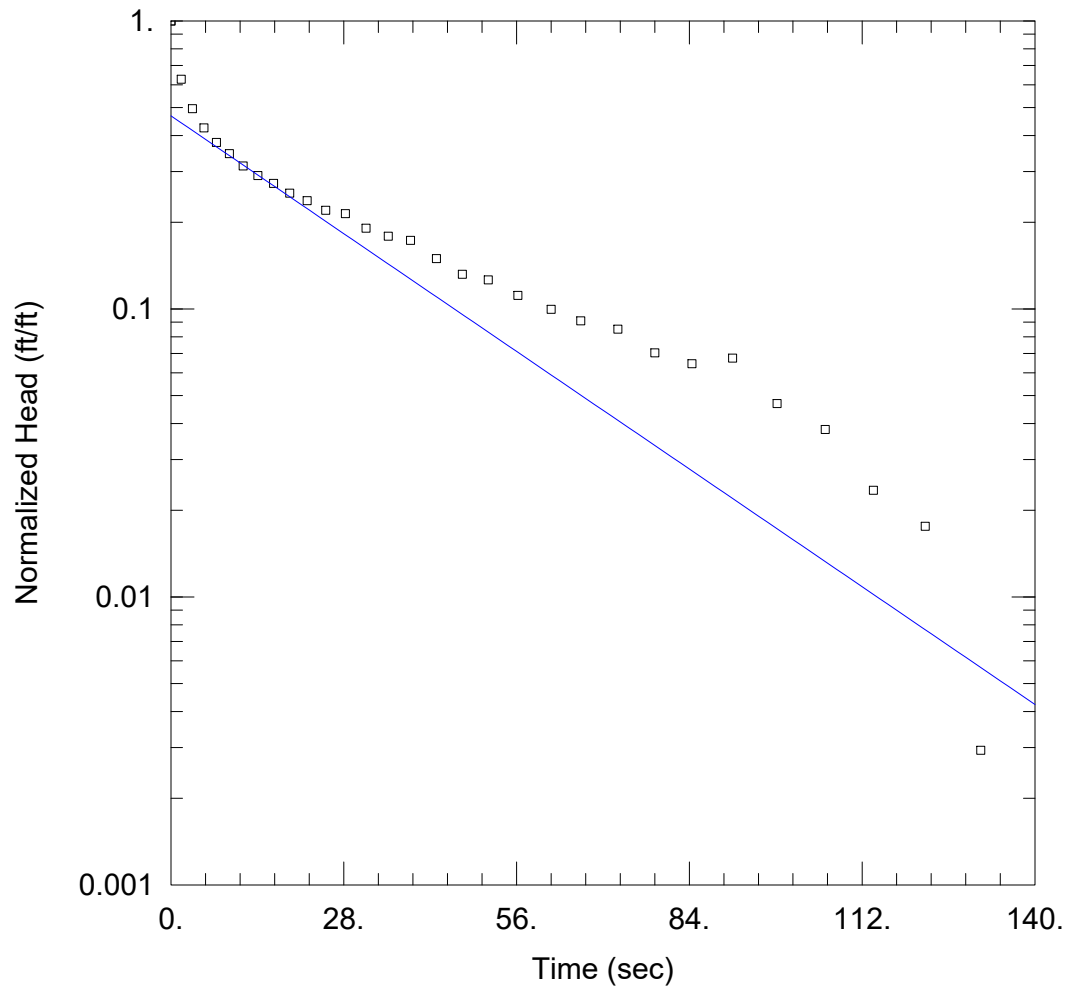
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

$K = 0.004986$ cm/sec

$y_0 = 0.1575$ ft



MW4 RH1

Data Set: O:\...\MW4 OUT1.aqt

Date: 10/22/18

Time: 11:01:38

PROJECT INFORMATION

Company: Fehr Graham

Client: City of Dixon

Project: 17-570H

Location: Dixon, IL

Test Well: MW4

Test Date: 9/27/2018

AQUIFER DATA

Saturated Thickness: 20. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW4)

Initial Displacement: 0.341 ft

Static Water Column Height: 9.72 ft

Total Well Penetration Depth: 9.72 ft

Screen Length: 9.72 ft

Casing Radius: 0.0833 ft

Well Radius: 0.333 ft

Gravel Pack Porosity: 0.32

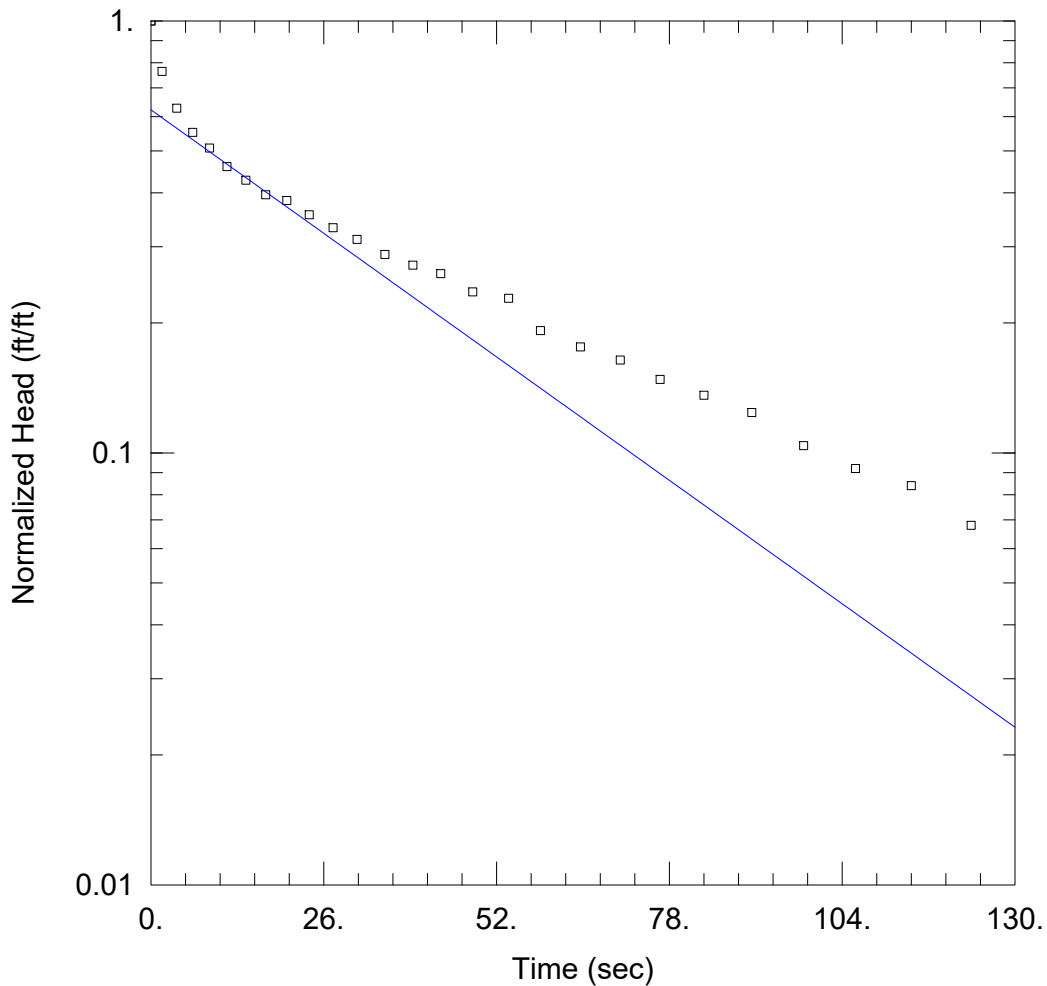
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 0.004656 cm/sec

y0 = 0.1596 ft



MW4 RH2

Data Set: O:\...\MW4 OUT2.aqt

Date: 10/22/18

Time: 11:02:31

PROJECT INFORMATION

Company: Fehr Graham

Client: City of Dixon

Project: 17-570H

Location: Dixon, IL

Test Well: MW4

Test Date: 9/27/2018

AQUIFER DATA

Saturated Thickness: 20. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW4)

Initial Displacement: 0.25 ft

Total Well Penetration Depth: 9.72 ft

Casing Radius: 0.0833 ft

Static Water Column Height: 9.72 ft

Screen Length: 9.72 ft

Well Radius: 0.333 ft

Gravel Pack Porosity: 0.32

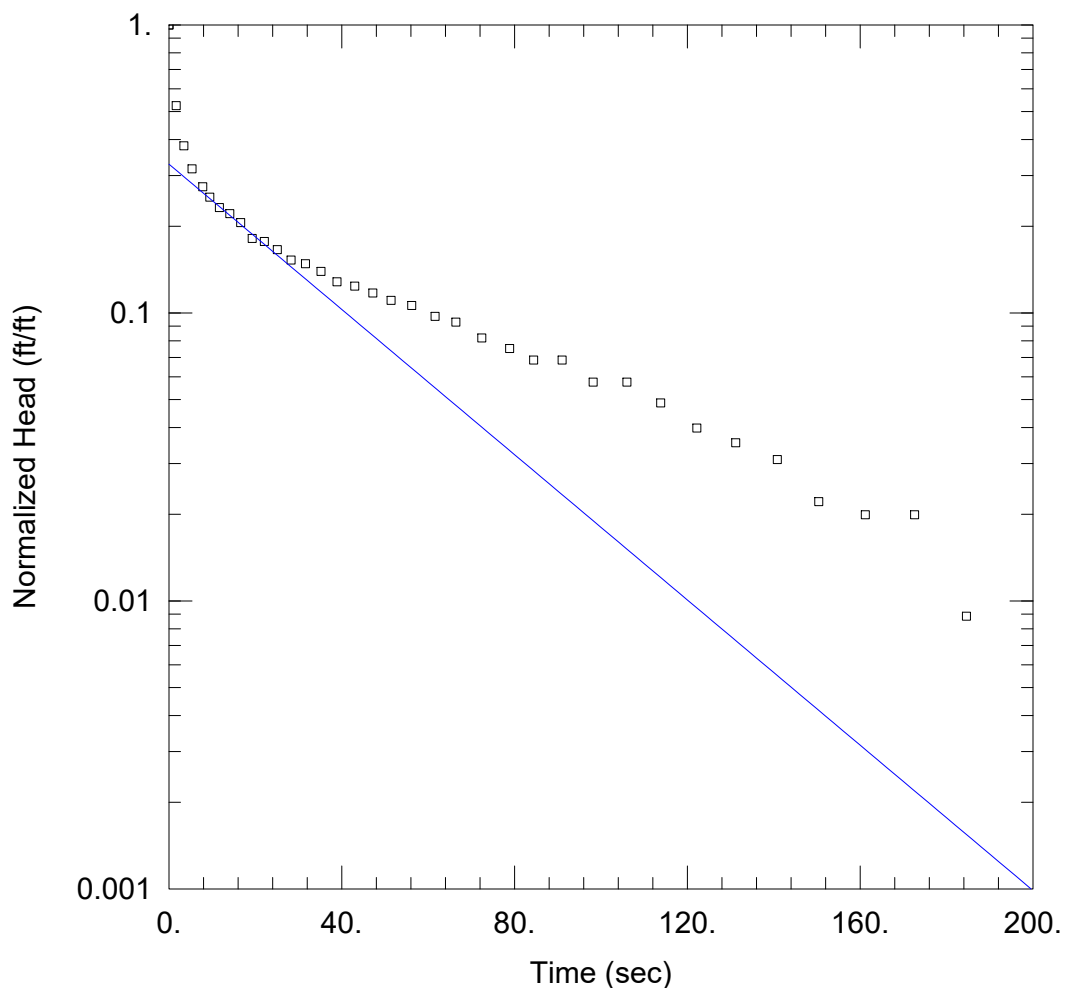
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 0.003505 cm/sec

y0 = 0.1556 ft



MW4 RH3

Data Set: O:\...MW4 OUT3.aqt

Date: 10/22/18

Time: 10:59:08

PROJECT INFORMATION

Company: Fehr Graham

Client: City of Dixon

Project: 17-570H

Location: Dixon, IL

Test Well: MW4

Test Date: 9/27/2018

AQUIFER DATA

Saturated Thickness: 20. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW4)

Initial Displacement: 0.452 ft

Static Water Column Height: 9.72 ft

Total Well Penetration Depth: 9.72 ft

Screen Length: 9.72 ft

Casing Radius: 0.0833 ft

Well Radius: 0.333 ft

Gravel Pack Porosity: 0.32

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

$K = 0.004021$ cm/sec

$y_0 = 0.1484$ ft

Appendix E
Laboratory Analytical Reports
Provided on CD-ROM

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