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IDOT Job #: P92-032-01

ISGS: 1314V3  
IDOT District #: 2

## PRELIMINARY ENVIRONMENTAL SITE ASSESSMENT

### FINAL REPORT

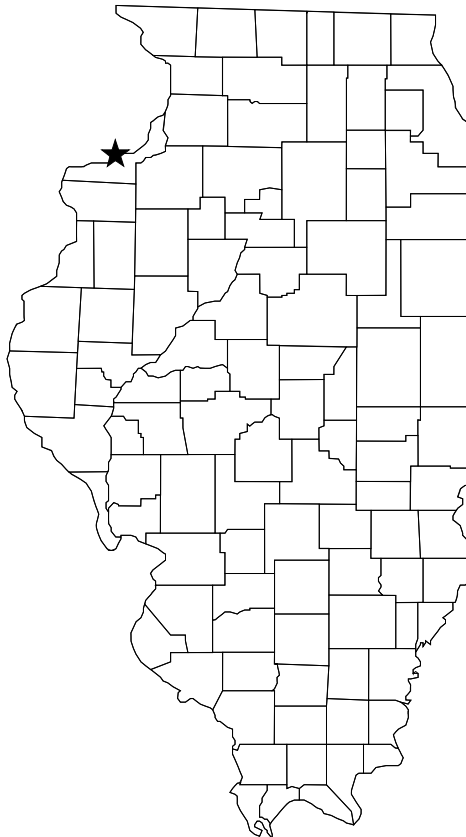
**DATE:** September 7, 2016

**IDOT DESIGN DATE:** December 31, 2003

**SURVEY TARGET DATE:** September 9, 2016

**DATE REQUEST RECEIVED:** March 9, 2016

**LOCATION:** FAI 74 (I-74), 23rd Avenue to Mississippi River, Moline, Rock Island County; Davenport East, Milan, Coal Valley, and Silvis quadrangles (USGS 7.5-minute topographic maps), T17N, R1W, Sections 4, 5, and 9; T18N, R1W, Sections 27, 29 and 32-34.



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## GLOSSARY OF ACRONYMS

AAI	-	All Appropriate Inquiries	MSDS	-	material safety data sheet
ACM	-	asbestos-containing material	MTBE	-	methyl tertiary butyl ether
AST	-	aboveground storage tank	NFR	-	No Further Remediation
ASTM	-	American Society for Testing and Materials	NPL	-	National Priorities List
AULs	-	activity and use limitations (includes institutional controls, engineered barriers, and HAAs)	NRCS	-	Natural Resources Conservation Service
bgs	-	below ground surface	OSFM	-	Office of the State Fire Marshal
BOL	-	Bureau of Land (IEPA)	PAA	-	Permit Access Agreement
BTEX	-	benzene, toluene, ethylbenzene, and total xylenes	PAH/PNA-	-	polynuclear aromatic hydrocarbons
CDPH	-	Chicago Department of Public Health	PCB	-	polychlorinated biphenyls
CCDD	-	Clean construction and demolition debris	PESA	-	Preliminary Environmental Site Assessment
CERCLIS-	-	Comprehensive Environmental Response, Compensation, and Liability Information System	P.G.	-	Professional Geologist
CTA	-	Chicago Transit Authority	ppb	-	parts per billion (equivalent to µg/kg for solids, and µg/l in liquids)
ERNS	-	Emergency Response Notification System	ppm	-	parts per million (equivalent to mg/kg in solids, and mg/l in liquids)
FEMA	-	Federal Emergency Management Agency	PRP	-	Potentially Responsible Party
FIRM	-	Flood Insurance Rate map	PSI	-	Preliminary Site Investigation
FOIA	-	Freedom of Information Act	RCRA	-	Resource Conservation and Recovery Act
GIS	-	Geographic Information System	REC	-	recognized environmental condition
GRO	-	Groundwater Remediation Objective	ROW	-	right-of-way
HAA	-	Highway Authority Agreement	SEMS	-	Superfund Enterprise Management System
IDNR	-	Illinois Department of Natural Resources	SIC	-	Standard Industrial Classification
IDOT	-	Illinois Department of Transportation	SPLP	-	synthetic precipitation leaching procedure
IEMA	-	Illinois Emergency Management Agency	SRO	-	Soil Remediation Objective
IEPA	-	Illinois Environmental Protection Agency	SRP	-	Site Remediation Program
IMD	-	Illinois Manufacturers Directory	SSTS	-	Section Seven Tracking System (USEPA)
ISGS	-	Illinois State Geological Survey	SVOCs	-	semi-volatile organic compounds
ISTC	-	Illinois Sustainable Technology Center (formerly Waste Management and Research Center)	TACO	-	Tiered Approach to Corrective Action Objectives (IEPA)
ISWS	-	Illinois State Water Survey	TCLP	-	toxicity characteristic leaching procedure
LUST	-	leaking underground storage tank	TPH	-	total petroleum hydrocarbons
µg/kg	-	micrograms per kilogram (ppb)	TRI	-	Toxics Release Inventory
µg/l	-	micrograms per liter (ppb)	TVOC	-	Total volatile organic compounds
mg/kg	-	milligrams per kilogram (ppm)	USACE	-	United States Army Corps of Engineers
mg/l	-	milligrams per liter (ppm)	USDA	-	United States Department of Agriculture
M.M.	-	mile marker	USEPA	-	United States Environmental Protection Agency
M.P.	-	mile post	USGS	-	United States Geological Survey
			UST	-	underground storage tank
			VOC	-	volatile organic compounds

### EXECUTIVE SUMMARY

This report presents the results of an environmental site assessment for the improvements to I-74 from 23rd Avenue to the Mississippi River, Moline, Rock Island County. This report was prepared on behalf of the Illinois Department of Transportation (IDOT) by the Illinois State Geological Survey (ISGS).

The following sites were examined for this project. The tables below list sites along the project for which recognized environmental conditions (RECs)\* were identified for each address or address range (Table 1); sites along the project for which only de minimis conditions were identified (Table 2); sites along the project for which no RECs or de minimis conditions were identified (Table 3); and sites adjoining but not on the project that were identified on environmental databases (Table 4). Further investigation of sites with RECs may be desired.

**Table 1. The following sites along the project were determined to contain RECs:**

Property name IDOT parcel #	ISGS site #	REC(s), including de minimis conditions	Regulatory database(s)	Land use
ROW NA	1314V3-1	Spills; former ASTs; evidence of chemical use; natural gas pipeline; potential ACM	BOL, IEMA, ERNS	Transportation
Mississippi River NA	1314V3-2	Non-attainment of water quality; spills; potentially impacted surface water	ERNS	River
City of Moline Water Division NA	1314V3-4	USTs; former UST; potential UST(s); ASTs; former monitoring wells; evidence of chemical use; impacted soil and groundwater; VOCs; transformers; potential ACM and lead paint	BOL, SRP, UST, state brownfields, AULs	Municipal
Industrial building NA	1314V3-5	Potential UST; evidence of former chemical use; VOCs and metals; natural gas pipeline; transformers; potential ACM and lead paint	BOL	Industrial

Vacant land NA	1314V3-6	Former USTs with documented releases; monitoring well; potential monitoring wells; former drums; evidence of former chemical use; air releases; VOCs, metals, and PCBs; soil mounds; natural gas pipeline; transformer	RCRA, BOL, SRP, UST, TRI	Vacant
River Stone Moline Yard NA	1314V3-7	Potential monitoring wells; evidence of chemical use; potentially impacted groundwater; HAA; VOCs and metals; mounding; transformers; potential ACM and lead paint	RCRA, BOL, ERNS, AUL, HAA	Commercial
Commercial building NA	1314V3-8	Former UST; potential chemical use; VOCs, SVOCs, and metals; transformers; potential ACM and lead paint	UST	Commercial
Parking lot NA	1314V3-9	Potential UST(s); potential former chemical use	None	Commercial
Moline Enterprise Lofts NA	1314V3-10	Former monitoring wells; potential former chemical use; impacted groundwater; potential ACM	BOL, SRP, federal brownfields, AULs	Residential
Vacant lot NA	1314V3-11	Potential former chemical use; VOCs, SVOCs, and metals; soil pile	None	Vacant
Electric substation NA	1314V3-12	SVOCs and metals; natural gas pipeline; transformers; potential ACM and lead paint	None	Utility

Speigel Moving and Storage NA	1314V3-13	Potential UST(s); staining; potential former chemical use; SVOCs and metals; transformers; likely natural gas pipeline; potential ACM and lead paint	None	Commercial
Vacant lot NA	1314V3-14	VOCs, SVOCs, and metals	None	Vacant
USI Midwest NA	1314V3-15	Evidence of chemical use; SVOCs and metals; transformer; potential ACM and lead paint	Archived SEMS, BOL	Commercial
Kone, Inc. NA	1314V3-16	Evidence of chemical use; natural gas pipeline; potential ACM and lead paint	RCRA, BOL	Commercial
Parking lot NA	1314V3-17	Potential UST(s); potential former chemical use; VOCs, SVOCs, and metals; likely natural gas pipeline	None	Commercial
Vacant land NA	1314V3-18	Potential UST(s); potential former chemical use; VOCs, SVOCs, and metals; natural gas pipeline	None	Vacant
Vacant lot NA	1314V3-19	Potential UST(s); potential former chemical use; potentially impacted groundwater; SVOCs and metals; natural gas pipeline	None	Vacant

River Stone NA	1314V3-20	Former UST with a documented release; potential UST(s); former AST; former monitoring wells; chemical container; potential former chemical use; impacted soil and groundwater; HAA; transformers; likely natural gas pipeline; potential ACM and lead paint	LUST, UST, BOL, IEMA, AULs, HAA	Commercial
BNSF Railroad NA	1314V3-21	Railroad signal and battery boxes; potentially impacted groundwater; PCBs	AUL	Transportation
Parking lot NA	1314V3-22	Potential monitoring well; potentially impacted groundwater; HAA	HAA, AULs	Commercial
LeClaire Apartments NA	1314V3-23	Former UST; potential UST(s); AST; former monitoring wells; potential former chemical use; impacted groundwater; HAA; potential ACM and lead paint	UST, HAA, AULs	Residential
John Deere NA	1314V3-24	Former USTs with a documented release; potential UST(s); AST; former ASTs; former monitoring wells; evidence of chemical use; chemical containers; air release; impacted soil and groundwater; HAA; VOCs and metals; transformers; potential ACM and lead paint	RCRA, LUST, UST, BOL, IEMA, HAA, AULs	Commercial

Sivyer Steel Corp. NA	1314V3-25	Drums; former drums; evidence of chemical use; VOCs; transformer; potential ACM and lead paint	BOL	Industrial
Commercial building NA	1314V3-26	Former UST; potential UST(s); potential former chemical use; transformer; potential ACM and lead paint	None	Commercial
Residential building NA	1314V3-28	Potential UST(s); potential former chemical use; transformer; potential ACM and lead paint	None	Residential
Sunbelt Rentals NA	1314V3-30	Former USTs; potential UST(s); AST; former monitoring wells; potential former chemical use; impacted soil and groundwater; transformers; potential ACM and lead paint	BOL, SRP, UST, AULs	Commercial
Quick Stop NA	1314V3-31	USTs with documented releases; monitoring wells; former monitoring wells; former drums; impacted soil and groundwater; HAA, VOCs; natural gas pipeline; potential ACM and lead paint	LUST, UST, BOL, IEMA, AULs, HAA	Commercial
Commercial buildings NA	1314V3-32	Former USTs; potential UST(s); potential AST(s); evidence of former chemical use; protruding pipes; HAA; transformer; potential ACM and lead paint	RCRA, UST, BOL, AUL, HAA	Commercial



Parking lot NA	1314V3-33	Potential UST(s); potential former chemical use; presence on LUST and BOL lists; impacted soil and groundwater; HAA; VOCs; transformers	LUST, BOL, IEMA, federal brownfields, AUL, HAA	Commercial
Brannens Auto Works NA	1314V3-36	Former UST; potential UST(s); AST; drums; potential chemical use; VOCs; potential ACM and lead paint	None	Commercial
Dispatch-Argus Newspaper NA	1314V3-38	Potential UST(s); potential former chemical use; potential ACM and lead paint	None	Commercial
Fromi Tax Service NA	1314V3-39	Potential UST(s); potential former chemical use; potential ACM and lead paint	None	Commercial
Parking lot NA	1314V3-40	Potential UST(s); evidence of chemical use; potential ACM and lead paint	None	Commercial
La Casa Mexican Grill NA	1314V3-41	Former USTs with a documented release; potential UST(s); monitoring well; former monitoring wells; fill; evidence of former chemical use; impacted groundwater; potential ACM and lead paint	RCRA, LUST, UST, BOL, IEMA	Commercial
Vacant lot NA	1314V3-46	Potential former chemical use	None	Vacant
Storage area NA	1314V3-49	Potential UST(s); ASTs; drums; potential former chemical use	None	Commercial

Illinois Bell NA	1314V3-51	Former UST with a documented release; potential UST(s); monitoring well; former monitoring wells; evidence of chemical use; potential ACM and lead paint	RCRA, LUST, UST, BOL, IEMA	Commercial
Commercial building NA	1314V3-56	Former USTs; potential UST(s); potential former chemical use; VOCs; potential ACM and lead paint	None	Commercial
Old Chamber Building NA	1314V3-57	Potential former chemical use; transformers; potential ACM and lead paint	None	Commercial
Residence NA	1314V3-59	Potential UST; potential ACM and lead paint	None	Residential
Vacant lot NA	1314V3-60	Potential former chemical use	None	Vacant
Scottish Rite Masonic Center NA	1314V3-66	Potential UST(s); potential chemical use; VOCs; transformers; potential ACM and lead paint	None	Religious
Vacant land NA	1314V3-67	Potential UST(s); potential former chemical use; VOCs	None	Vacant
Residence NA	1314V3-74	Former drum; evidence of chemical use; potential ACM and lead paint	BOL, IEMA	Residential
Residence NA	1314V3-75	Evidence of chemical use; potential ACM and lead paint	None	Residential
American Rental Association NA	1314V3-86	AST; potential former chemical use; transformer; potential ACM and lead paint	None	Commercial

Western Illinois University - Quad Cities campus NA	1314V3-105	Former USTs with a documented release; AST; former ASTs; former drums; former monitoring wells; spill; evidence of former chemical use; fill; impacted soil and groundwater; transformers; natural gas pipeline; potential ACM and lead	RCRA, LUST, UST, BOL, IEMA, AULs	Educational
Quad City Spring NA	1314V3-106	Potential UST(s); drums; evidence chemical use; transformer; potential ACM and lead paint	BOL	Commercial
Contented Canines NA	1314V3-107	Former USTs; potential UST(s); evidence of former chemical use.; transformer; potential ACM and lead paint	UST, BOL	Commercial
BNSF Railroad NA	1314V3-108	Railroad signal boxes; natural gas pipeline	None	Transportation

**Table 2. The following sites along the project were determined to contain de minimis conditions only:**

Property name IDOT parcel #	ISGS site #	De minimis condition(s)	Land use
Residence NA	1314V3-27	Potential ACM and lead paint	Residential
Residences NA	1314V3-29	Potential ACM and lead paint	Residential
Residences NA	1314V3-35	Transformers; potential ACM and lead paint	Residential
Bookkeeping Associates NA	1314V3-37	Potential ACM and lead paint	Commercial
Residences NA	1314V3-43	Transformers; potential ACM and lead paint	Residential

Residences NA	1314V3-45	Transformer; potential ACM and lead paint	Residential
Residences NA	1314V3-47	Potential ACM and lead paint	Residential
Residences NA	1314V3-48	Potential ACM and lead paint	Residential
Residence NA	1314V3-50	Potential ACM and lead paint	Residential
Amerifiles Taxes NA	1314V3-52	Potential ACM and lead paint	Commercial
Bethany for Children and Families NA	1314V3-53	Transformers; potential ACM and lead paint	Commercial
Moline Activity Center NA	1314V3-54	Potential ACM and lead paint	Recreational
Residence and vacant lot NA	1314V3-58	Potential ACM and lead paint	Residential
Residences NA	1314V3-61	Transformer; potential ACM and lead paint	Residential
Riverside Dentistry NA	1314V3-62	Transformer; potential ACM and lead paint	Commercial
First Congressional United Church of Christ NA	1314V3-63	Transformer; potential ACM and lead paint	Religious
New Hope Church NA	1314V3-64	Transformer; potential ACM and lead paint	Religious
Christ Church Anglican NA	1314V3-65	Transformer; potential ACM and lead paint	Religious
Residential buildings NA	1314V3-68	Transformers; potential ACM and lead paint	Residential

Silver Oaks NA	1314V3-70	Transformer; potential ACM and lead paint	Commercial
Residential buildings NA	1314V3-73	Transformers; potential ACM and lead paint	Residential
Residences NA	1314V3-76	Transformer; potential ACM and lead paint	Residential
Economy Inn NA	1314V3-77	Transformer; potential ACM and lead paint	Residential
Residences NA	1314V3-79	Potential ACM and lead paint	Residential
Residential buildings NA	1314V3-80	Transformers; potential ACM and lead paint	Residential
Residences NA	1314V3-81	Transformers; potential ACM and lead paint	Residential
Residence NA	1314V3-83	Potential ACM and lead paint	Residential
Residences and vacant lot NA	1314V3-84	Potential ACM and lead paint	Residential
Residential buildings NA	1314V3-85	Natural gas pipeline; potential ACM and lead paint	Residential
Residences NA	1314V3-88	Transformer; potential ACM and lead paint	Residential
Residences NA	1314V3-89	Transformer; potential ACM and lead paint	Residential
Residences NA	1314V3-90	Transformer; potential ACM and lead paint	Residential
Residence NA	1314V3-91	Potential ACM and lead paint	Residential
New Life Fellowship Church NA	1314V3-93	Transformers; potential ACM and lead paint	Religious
Residences NA	1314V3-94	Potential ACM and lead paint	Residential

Residences NA	1314V3-95	Potential ACM and lead paint	Residential
Residences and vacant lot NA	1314V3-97	Potential ACM and lead paint	Residential
Residences NA	1314V3-98	Potential ACM and lead paint	Residential
Residences NA	1314V3-100	Transformer; potential ACM and lead paint	Residential
Residences NA	1314V3-102	Potential ACM and lead paint	Residential
Ben Butterworth Parkway NA	1314V3-104	Transformers	Recreational

**Table 3. The following sites along the project were determined not to contain RECs or de minimis conditions:**

Property name IDOT parcel #	ISGS site #	Land use
Vacant land NA	1314V3-3	Vacant
Vacant lot NA	1314V3-34	Vacant
Vacant lot NA	1314V3-42	Vacant
Vacant lot NA	1314V3-44	Vacant
Stephens Square NA	1314V3-55	Recreational
Parking lot NA	1314V3-69	Commercial
Vacant land NA	1314V3-71	Vacant
Vacant land NA	1314V3-72	Vacant

Vacant land NA	1314V3-78	Vacant
Vacant land NA	1314V3-82	Vacant
Vacant land NA	1314V3-87	Vacant
Vacant land NA	1314V3-92	Vacant
Vacant land NA	1314V3-96	Vacant
Vacant land NA	1314V3-99	Vacant
Vacant land NA	1314V3-101	Vacant
Vacant land NA	1314V3-103	Vacant

**Table 4. The following additional sites, adjoining but not on the project, were identified on environmental databases:**

Property name	ISGS site #	Regulatory database(s)	Land use
Rock Island Arsenal	1314V3-A	Active SEMS, RCRA, LUST, UST, BOL	Industrial
Lundahl Motors Inc	1314V3-B	RCRA, UST, BOL	Commercial
McLaughlin Body Co.	1314V3-C	UST, BOL	Commercial
Erickson Tire	1314V3-D	UST, BOL	Commercial
Moline Dispatch Publishing Company	1314V3-E	AUL	Commercial
Kone, Inc.	1314V3-F	BOL	Commercial
Snyder General Corp.	1314V3-G	BOL	Commercial
Midland Davis Corp.	1314V3-H	BOL	Industrial

\* For all sites:

Where REC(s) are indicated as present, a condition was noted that may be indicative of releases or potential releases of hazardous substances on, at, in, or to the site, as

discussed in the text. Potential hazards were not verified by ISGS testing. Radon, biological hazards (such as mold, medical waste, or septic waste), and non-agricultural pesticides and/or herbicides may also be of concern. No further investigation concerning the presence or use of these factors was conducted for this PESA.

Where RECs are not indicated as present, radon, biological hazards (such as mold, medical waste, or septic waste), and non-agricultural pesticides and/or herbicides may still be of concern. No further investigation concerning the presence or use of these factors was conducted for this PESA.

For the purposes of this report, the following are considered to be de minimis conditions:

- Normal use of lead-based paint on exteriors and interiors of buildings and structures.
- Use of asbestos-containing materials in building construction.
- Transformers in normal use, unless the transformers were observed to be leaking, appear on an environmental regulatory list, or were otherwise determined to pose a hazard not related to normal use.
- Agricultural use of pesticides and herbicides. In addition, most land in Illinois was under agricultural use prior to its conversion to residential, industrial, or commercial development. Pesticides, both regulated and otherwise, may have been used throughout the project area at any time. Unless specifically discussed elsewhere in this report, no information regarding past pesticide use that would be subject to enforcement action was located for this project, and such use is considered a de minimis condition.

The following data gaps exist for all PESAs:

- For residences, only areas visible from public roads are inspected.
- Interiors of buildings are not inspected.
- Interiors of agricultural areas are not inspected during growing seasons.

Radon and biological hazards are not considered in this PESA unless specifically noted.

NA = No parcel number was supplied by IDOT for this site.

Although potential natural hazards and undermining, if present, are described in this report, they are not considered as RECs or de minimis conditions for the purposes of this report, and are therefore not listed in the tables above.



## **INTRODUCTION**

This is the **Final Report** of a preliminary environmental assessment by the ISGS of natural and man-made hazards that may be encountered for the improvements to I-74 from 23rd Avenue to the Mississippi River, Moline, Rock Island County (Attachment 1). This project is the third validation of ISGS #1314, which was submitted to IDOT on August 16, 2002. ISGS #1314V was submitted to IDOT on August 26, 2010. ISGS #1314V2 was submitted to IDOT on August 14, 2013. This project includes additional areas along 7th Avenue. The needs for acquisition of ROW or easement, including railroad ROW, in-stream work, and subsurface utility relocation or excavation were not specified. IL 92 is known as 4th Avenue and 6th Avenue in the city of Moline and will be referred to as such in this report. 23rd Avenue is known as Avenue of the Cities in the city of Moline, and will be referred to as such in this report. US 6 is known as I-74 in the city of Moline, and will be referred to as such in this report. Measurements were made from the edge of pavement unless otherwise specified. Stationing information was provided by IDOT in feet, and is presented as such in this report. Stationing will be given to the midpoint of the site, except for Sites 1314V3-1 and 1314V3-21, in which it will be given as a range. Stationing information was not provided by IDOT for all sites on the project. This report identifies and evaluates recognized environmental conditions (RECs) that may be indicative of releases or potential releases of hazardous substances on, at, in, or to the proposed project.

This assessment has been prepared using historical and geological information including aerial photographs, U.S. Geological Survey topographic maps, plat maps, file information of the ISGS regulatory file information from federal, state, and other agencies, and various other sources of information. An on-site investigation has been completed. The specific methods used to conduct the assessment are contained in "A Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation Infrastructure Projects" (Erdmann et al., 2014). If new information is received concerning this project that is considered to have a significant impact on the findings of this report, the report will be revised and resubmitted to IDOT Bureau of Design and Environment.

**This Preliminary Environmental Site Assessment (PESA) was performed in compliance with the IDOT-ISGS PESA Manual (Erdmann et al., 2014) and not with the All Appropriate Inquiries environmental assessment standard (40 CFR Part 312) that took effect on November 1, 2006, or with the ASTM standard E1527-05 or E1527-13.**

## **GEOLOGY**

**Bedrock geology.** The topmost bedrock unit in the project area from the Mississippi River to 14th Street has been mapped as rocks of the Muscatatuck Group of Devonian age, which consist primarily of limestones. The topmost bedrock unit in the project area from 14th Street to 18th Street has been mapped as rocks of the New Albany Formation of Devonian age, which consist primarily of shales. The topmost bedrock unit in the project area from the 18th Street to 23rd Street has been mapped as rocks of the Tradewater Formation of Mississippian age, which consist primarily of shales, limestones, and sandstones.

**Surficial geology.** The total thickness of surficial deposits in the project area have been mapped as greater than 15 m (50 ft) thick near the Mississippi River to less than 15 m (50 ft) thick in the

remainder of the project area. Surficial deposits from the Mississippi River to 6th Avenue have been mapped as silts and sands of the Cahokia Formation, greater than 6 m (20 ft) in thickness overlying sand and gravel of the Henry Formation, greater than 6 m (20 ft) in total thickness. Surficial deposits from 6th Avenue to 15th Avenue have been mapped as silts of the Peoria and Roxana Silt, less than 6 m (20 ft) in thickness overlying silts and clays of the Glasford Formation, less than 6 m (20 ft) in total thickness. Surficial deposits from 15th Avenue to 23rd Street have been mapped as silts of the Peoria and Roxana Silt, greater than 6 m (20 ft) in total thickness.

**Soils.** Along the project ROW, the NRCS has not classified any soils as containing 33% to 100% hydric components. The NRCS has classified the Orthents, loamy, undulating; Hickory-Sylvan silt loams, 35 to 60% slopes; Hickory-Sylvan-Fayette silt loams, 10 to 18% slopes, eroded; and Hickory-Sylvan-Fayette silt loams, 18 to 30% slopes as non-prime farmland.

## **HYDROGEOLOGY**

**Drainage direction.** Surficial drainage in the project area is generally toward the north in the direction of the Mississippi River. However, since the project area is urbanized and storm drains and sewers are present, most surficial runoff will be controlled by the storm sewer system; such systems typically are designed to follow natural drainage patterns.

Neither the near-surface nor the shallow unconfined groundwater flow direction was specifically determined for this project, but they generally mimic local topography.

**Surficial public water supplies.** The community of Moline receives its public water supply from the Mississippi River, located within the north project limits. This river is an active source for that community. The proposed project work/new road construction may impact this public water supply. Excavation for bridge piers may cause turbidity in the vicinity of the city intakes and runoff from construction activities may impact this water system.

**Groundwater recharge.** The project area is located in Zone 1 in the north part of the project area and Zone 5 in the middle and south part of the project area for groundwater recharge potential, where Zone 1 indicates the highest potential for groundwater recharge and Zone 7 indicates the lowest potential as mapped by Keefer and Berg (1990). Groundwater recharge potential information is provided for a general regional perspective only, as this map was prepared at a scale of 1:1,000,000 and is not applicable on a site-specific basis.

According to the USEPA's list of designated sole-source aquifers, there are no sole-source aquifers in Illinois as defined by Section 1424(E) of the Safe Drinking Water Act, and so the proposed project will not affect any such aquifers in Illinois.

**Groundwater protection areas.** There are no known public water wells within 305 m (1,000 ft) of the project ROW, and no IDOT facility work is planned for the proposed project, so there should be no impact on any setback zones as determined by the IEPA Division of Public Water Supplies.

**Potential for contamination of shallow aquifers.** The project area is located in Zone AX, A1, and F, according to the map "Potential for contamination of shallow aquifers from land burial of municipal wastes" (Berg et al., 1984). Zone AX, located in the north part of the project area, is

described as alluvium, a mixture of gravel, sand, and silt, along streams, variable in composition and thickness. Zone A1, located in the north part of the project area, is described as permeable bedrock at or within 6 m (20 ft) of the surface, with variable overlying materials. Zone F, located in the middle and south parts of the project area, is described as relatively impermeable bedrock within 6 m (20 ft) of the surface, mostly overlain by clayey glacial deposits or other fine-grained materials. Zone A indicates the highest potential for contamination and Zone G the lowest. This information is provided for a general regional perspective only, as the map was prepared at a scale of 1:500,000 and is not applicable on a site-specific basis. No borings were made to a depth of 15 m (50 ft) to verify the geology of this site.

**Well information.** ISGS well records indicate that water in the project area is obtained from limestone at depths ranging from 30 to 60 m (100 to 200 ft) below the surface. A well was identified in the ISGS database within 60 m (200 ft) of the project limits, located west of the intersection of 19th Street and 4th Avenue. Another well was identified in the ISGS database within 60 m (200 ft) of the project limits, located southeast of the southern project limits. Other wells not in the ISGS database may be present near the project area.

### **NATURAL FEATURES AND HAZARDS**

**Wetlands.** According to National Wetlands Inventory maps, two wetlands have been mapped in the project area. One lacustrine and one palustrine wetland are located within the boundaries of the Mississippi River. These wetlands maps were defined primarily by aerial photographs, which may reflect conditions specific to the year or season that the photography was completed. Therefore, wetlands areas may be either overstated or missing entirely.

**Flood areas.** According to Flood Insurance Rate maps, the portions of the project area east and west of I-74 between the Mississippi River and 4th Avenue and along 34th Street from the Mississippi River to 4th Avenue are located within the Special Flood Hazard Area (land area subject to inundation by a flood that has a 1% probability of being equaled or exceeded in any given year) of the Mississippi River. Flooding, standing water, and saturated soils may be encountered in these areas, particularly during periods of high or extended rainfall or spring snowmelt.

No other observed or known natural hazards were identified for this project.

### **PROJECT SITES**

The project area is primarily under commercial and residential use. Sites will be described from north to south along I-74 and west to east along cross streets below. Attachment 1 contains a project location map. Attachment 2 contains maps of all sites discussed in this report. Attachments 3 through 28 contain site-specific maps and NFR letters for selected sites and adjoining sites on this project. The versions of the OSFM's UST database, IEPA's LUST database, IEPA's Bureau of Land database, and USEPA's SEMS database utilized for this report were dated September 7, 2016, September 6, 2016, September 7, 2016, and September 7, 2016, respectively. OSFM files were received on June 9, 2016. IEPA files were received on May 12, 2016. USEPA files were received on May 10, 2016. Fieldwork for this project was conducted on May 10-11, July 21, and August 17, 2016.

This project intersects previous ISGS PESAs and PSIs as follows:

ISGS PESA #	Date submitted to IDOT	Intersects	PSI
448	January 28, 1994	At IL 92 and 23rd Street	None
1314	August 16, 2002	Along entire project	None
1314V	August 26, 2010	Along entire project	None
1314V2	August 14, 2013	Mississippi River to 4th Avenue	Weston #8 work order #40
2657	December 13, 2012	At southern project limit	None
2657V	March 20, 2015	At southern project limits	None
2708	February 25, 2013	Along 4th Avenue and River Drive	None

Information from these earlier PESAs and PSI will be summarized in geographic order below.

#### Data gaps applicable to the entire project area

The following data gaps applicable to the entire project area were noted for this project. Data gaps specific to individual sites are discussed in the site writeups below.

- Plat maps were of limited use for this project. For most sites, plat maps either showed the sites under individual ownership, or within incorporated Moline. Plat map information was added below only where relevant.
- Sanborn fire insurance maps for Moline did not cover the entire project area, and for the parts of the project area that were covered, not all the areas were covered in all years. Sanborn map information is included for all sites for which it was available. If a given year of Sanborn map coverage is not discussed for a specific site, it was not available for that site for that year.
- Aerial photographs provided information only for those specific times covered by the photographs, as noted in the Information Sources section. No records were available for intervening years, and other land uses could have occurred in these years.
- Areas which were under residential use throughout all aerial photographs and on Sanborn maps were not researched in city directories.
- City directories prior to 1891-92 had no geographical listings and therefore were not used for this report.
- City directories for the City of Moline were available, but not all years were available, not all directories contained address information, and not all directories contained complete information for 1st Avenue, 2nd Avenue, 5th Avenue, 6th Avenue, 7th Avenue, River Drive,

and 19th Street. Information from city directories is provided for sites for which it was available. In addition, in city directories from the early 20th century, many businesses were listed under generic names that provided no information regarding their operations. Unless otherwise stated in the text, the nature of those businesses could not be determined, and that data gap is not listed individually under each site. The complete commercial and industrial histories of most of the sites in the project area are unknown.

This project includes bridges that have been present since before 1985, when lead paint was no longer used to paint bridges. Lead paint may be present at these structures.

**Site 1314V3-1 (1314-37, 1314V-2, 2708-66, 1314V2-1). ROW, mile markers 0 to 2.5, Moline (I-74 from the Mississippi River to 29th Street; I-74 stations 22+00 IL (6748 +25 IA) RT and LT to 49+00 IL RT and LT; Attachment 2, pages 1-12).** This site is occupied by I-74 and its ROW. Natural gas pipeline markers were observed in the southeast and southwest corner of the I-74 and 27th Street intersection and near the intersection of 18th Avenue and 19th Street, indicating two pipelines pass through this site in east-west directions.

Sanborn maps from 1886 through 1906 did not have any coverage of this site. Sanborn maps from 1912 depicted residences and vacant land from 7th Avenue to 9th Avenue. The remainder of the site south of 9th Avenue was not covered. Aerial photographs from 1938 through 1964 depicted residences and vacant lots along the I-74 corridor south of 7th Avenue. Aerial photographs from 1938 through 1958 depicted a different two-lane bridge across the Mississippi River extending north from River Drive. Sanborn maps from 1950 through 1970 depicted residences and vacant lots from 7th Avenue to 9th Avenue and from 12th Avenue to 17th Avenue. The remainder of this site was not covered. Aerial photographs from 1964 depicted two different bridges extending from River Drive. Aerial photographs from 1970 depicted I-74 under construction. Aerial photographs from 1980 and later depicted I-74 with its current configuration.

The following bridges are present along I-74 in the project area, generally from north to south. Location references and construction dates are taken from the IDOT bridge information website. Where more than one year is present, the first year is the original construction date and later years are reconstruction dates. Map references are to Attachment 2. All of the bridges below were painted.

IDOT structure number	Location	Construction date	Map location, Attachment 2
S.N. 081-0142	I-74 approach structure over Mississippi River	1975	Page 1, 1a
S.N. 081-0143	I-74 approach structure over Mississippi River	1975	Page 1, 1b
S.N. 081-0111	I-74 S.B. off ramp over River Drive (1 km [0.6 mi] south of Iowa line)	1974	Page 3, 1c
S.N. 081-0112	I-74 N.B. on ramp over River Drive (1 km [0.6 mi] south of Iowa line)	1974	Page 3, 1d

S.N. 081-0113	I-74 S.B. off ramp over 6th Avenue (1.3 km [0.8 mi]) south of Iowa line)	1975	Page 5, 1e
S.N. 081-0114	I-74 N.B. on ramp over 6th Avenue (1.3 km [0.8 mi] south of Iowa line)	1975	Page 5, 1f
S.N. 081-0115	I-74 S.B. on ramp over 19th Street (1.8 km [1.1 mi] south of Iowa line)	1975	Page 8, 1g
S.N. 081-0099	I-74 S.B. over 19th Street (0.8 km [0.5 mi] north of 23rd Avenue)	1975	Page 8, 1h
S.N. 081-0100	I-74 N.B. over 19th Street (0.8 km [0.5 mi] north of 23rd Avenue)	1975	Page 8, 1i
S.N. 081-0116	I-74 N.B. off ramp over 19th Street (1.8 km [1.1 mi] south of Iowa line)	1975/2011	Page 8, 1j
S.N. 081-0101	I-74 S.B. over 12th Avenue (1.1 km [0.7 mi] north of 23rd Avenue)	1975	Page 8, 1k
S.N. 081-0102	I-74 N.B. over 12th Avenue (1.1 km [0.7 mi] north of 23rd Avenue)	1975	Page 8, 1l
S.N. 081-0103	I-74 N.B. over 19th Street (0.3 km [0.2 mi] north of 23rd Avenue)	1971	Page 9, 1m
S.N. 081-0104	I-74 S.B. over 19th Street (0.3 km [0.2 mi] north of 23rd Avenue)	1971	Page 9, 1n
S.N. 081-0105	23rd Avenue over I-74 (2.4 km [1.5 mil] south of IL 92)	1970	Page 10, 1o
S.N. 081-0107	27th Street over I-74 (0.8 km [0.5 mi] south of 23rd Avenue)	1971	Page 11, 1p
S.N. 081-0108	19th Street over I-74 (1 km [0.6 mi] south of 23rd Avenue)	1971	Page 11, 1q

This site appears numerous times on multiple regulatory lists. Incidents will be discussed in geographic order below from north to south. Their locations are described below and shown on Attachment 2 where they are designated with a lower case letter. No evidence of spills was observed during fieldwork for this project, and the exact locations of the spills discussed in IEMA and ERNS records below are unknown.

Under the name "IDOT" and the address "Rock Island Co Bridge&hwy", this site appears on the BOL list (IEPA #1618995006). According to IEPA files, in May 1998, this site was registered by IDOT to generate between 100 kg/mo (220 lb/mo) and 1,000 kg/mo (2,200 lb/mo) of wastes containing lead from the maintenance of the I-74 approach structures over the Mississippi River (S.N. 081-0142 and S.N. 081-0143). No further information was available in IEPA files regarding IEPA #1618995006.

Under the name "Reynolds Service Corp" and the address "I-74 bridge/over Miss Rvr", this site appears on the IEMA non-LUST list (IEMA #982762). According to IEMA records, in November 1998, a release of 114 liters (30 gallons) of hydraulic oil was reported following a crane accident at this location. The general location of the release is depicted as Site 1314V3-1a on Attachment 2, page 1.

Site 1314V3-1r (Attachment 2, page 5). Sanborn maps from 1886 depicted a carpentry shop at the northwest corner of 6th Avenue and 20th Street.

Site 1314V3-1s (Attachment 2, page 6). City directories listed a photography studio at 612 20th Street in 1939.

Site 1314V3-1t (Attachment 2, page 8). Under the name "Molo Quint LLC" and the address "on the off ramp from westbound I-74 to 7th St", this site appears on the IEMA non-LUST list (IEMA #H-2009-1298). Under the name "Molo" and the address "Intersection of I-74 and 7th Street", this site appears on the ERNS list (ERNS #924335). According to IEMA records, a release of 1,893-liters (500-gallon) of diesel was reported from a semi-truck at this location in November 2009. According to ERNS records, a release of 757-liters (200-gallons) of diesel was reported at this location in November 2009.

Under the name "IDOT" and the address "Rock Island Co Bridge&hwy", this site appears on the BOL list (IEPA #1618995006). According to IEPA files, in May 1998, this site was registered by IDOT to generate between 100 kg/mo (220 lb/mo) and 1,000 kg/mo (2,200 lb/mo) of wastes containing lead from the maintenance of the I-74 overpasses at 19th Street (S.N. 081-0099, S.N. 081-0100, S. N. 081-0105, S.N. 081-0115, and S.N. 081-0116). No further information was available in IEPA files regarding IEPA #1618995006.

Site 1314V3-1u (Attachment 2, page 10). During fieldwork for ISGS# 1314V in 2010, a temporary parking and construction materials storage area was observed north of 20th Avenue and east of 18th Street-C for construction materials. Equipment on the site included construction vehicles and two 1,136-liter (300-gallon) plastic ASTs with unknown contents. A mobile office was also present on site. The ASTs described above were not present during the fieldwork for this project.

Site 1314V3-1v (Attachment 2, page 11). Under the name "B&J Transportation" and the address "I-74 MM 2.2", this site appears on the BOL list (IEPA #1610255105). Under the name "B&J Transportation" and the address "I-74 E MM 2.5", this site appears on the BOL list (IEPA #1610453003). According to IEPA files, in August 2001, B&J Transportation registered with IEPA as a generator of an unspecified types and amounts of waste. No further information was found in IEPA files regarding IEPA #1610255105 and 1610453003.

Potential hazards associated with carpentry shops and the wood working industry include VOCs and metals. Potential hazards associated with photography businesses include VOCs and metals.

In soil gas taken from two previous boreholes completed at this site for ISGS #1314 in 2002 near Site 1314V3-1t, no VOCs were detected. See ISGS #1314 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, drums, monitoring wells, solid waste,

transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The exact locations of the spills discussed in IEMA and ERNS records are unknown.
- The contents of the ASTs observed during fieldwork in 2010 are unknown.
- Evidence from aerial photographs and IDOT information indicates that these bridges have been present since before 1985, when lead paint was no longer used to paint bridges. These bridges are been painted. It is unknown if lead paint is present at these structures.

The structure on this site is painted and may contain friable asbestos-containing materials as a compound of painting or patching compounds. Evidence from aerial photographs and IDOT information indicates that these bridges have been present since before 1985, when lead paint was no longer used to paint bridges. These bridges are been painted. It is unknown if lead paint is present at these structures.

The following RECs were identified at this site: Spills; former ASTs; evidence of chemical use.

The following de minimis conditions were identified at this site: Natural gas pipeline; potential ACM.

**Site 1314V3-2 (1314-1, 1314V-1, 1314V2-2). Mississippi River, near I-74 mile marker 1, Moline (northwest and northeast corners of 1st Avenue and Kone Court; no stationing given; Attachment 2, page 1).** This site is occupied by a river.

Sanborn maps from 1886 and later depicted a river. Aerial photographs from 1938 and later depicted a river.

According to the 2016 IEPA Illinois Integrated Water Quality report, this segment of the Mississippi River has been assessed as “not supporting” in the categories of fish consumption, and primary contact. Causes of non-attainment were listed as mercury, PCBs, and fecal coliform. Sources were listed as atmospheric deposition of toxics and unknown sources. This river has been assessed as “fully supporting” in the categories of aquatic life, public and food processing water supplies, and aesthetic quality. This river has not been assessed for secondary contact.

Information in USEPA and IEPA files reviewed for Site 1314V3-A (USEPA #IL5210021833; IEPA #1618130001) pertained to this site. According to USEPA files, in 2001, surface water samples were collected from along the west side of the I-74 bridge (see Attachment 3 for the location of water sample PW-033). VOCs, PAHs, and metals were detected in unspecified levels, but elevated from other water samples collected downstream. The status of impacted surface water at this site is unknown. No further information impacting this project was found in USEPA and IEPA files for USEPA #IL5210021833 and IEPA #1618130001.

This site appears on the ERNS list three times. No evidence of spills was observed during fieldwork for this project, and the exact locations of spills at this site is unknown.



Under the name "Schadler River Excursion" and the address "Interstate 70 bridge going into Moline", this site appears on the ERNS list (ERNS #59181). According to ERNS records, in April 1987, an unknown type and amount of oil was observed on the river. No remedial action was taken in connection with this release. No further information was available in ERNS records regarding ERNS #59181.

Under the name "Dellitt Trucking Inc" and the address "East of I-74 bridge on Mississippi River bank", this site appears on the ERNS list (ERNS #397571). According to ERNS records, in August 1997, approximately 23 liters (6 gallons) of hydraulic oil were released into the Mississippi River from a ruptured hydraulic line. No further information was available from ERNS records regarding ERNS #577248.

Under the name "River Stone Group" and the address "200 23rd St.", this site appears on the ERNS list (ERNS #577248). According to ERNS records, on August 21, 2001, approximately 0.5 liters (0.12 gallons) of hydraulic oil were released into the Mississippi River from a sand barge. No further information was available in ERNS records regarding ERNS #577248.

In two boreholes and three surficial soil samples completed at this site for ISGS #1314 in 2002, no VOCs or metals were detected. See ISGS #1314 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The status of impacted surface water at this site is unknown.
- The exact location of spills at this site are unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Non-attainment of water quality; spills; potentially impacted surface water.

No de minimis conditions were identified at this site.

**Site 1314V3-3 (1314V2-3). Vacant land, near I-74 mile marker 1, Moline (within the Mississippi River, north of the Moline shoreline; no stationing provided; Attachment 2, page 1).** This site is occupied by vacant wooded land. This site was only viewed from the shoreline of the Mississippi River, and dense vegetation prevented a complete inspection of the site. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1912 through 1970 depicted a vacant island. Aerial photographs from 1938 and later depicted this site as vacant wooded land.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- This site was only viewed from the shoreline of the Mississippi River, and dense vegetation prevented a complete inspection of the site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-4 (1314-A, 1314-B, 1314-2, 1314V-3, 1314V2-4). City of Moline Water Division, 30 18th Street, Moline (southeast corner of 18th Street and 1st Avenue; no stationing provided; Attachment 2, page 1).** This site is occupied by a water treatment plant. Site features included a main building with a smaller building to its south. A water tower was present on the northwest portion of the site. Two ASTs were observed along the west side of the small building. The contents of these ASTs are unknown. A carbon dioxide AST was observed along the south side of the main building. Two USTs were observed north of the buildings, approximately 46 m (181 ft) south of the Mississippi River bank and 89 m (292 ft) west of 19th Street. No vent pipes were observed in association with these USTs. Three pad-mounted transformers were observed southwest of the buildings, and three pad-mounted transformers on the southwest corner of this site. Monitoring wells MW-1, EV-98-1, EV-98-2, and EV-98-3 labeled on Attachment 4 were not present.

The following information has been modified from ISGS #1314V:

Along the north side of the main building were two approximate 0.5 m (1.5 ft)-diameter pipes protruding from the ground. Along the east side of the main building was a larger pipe that appeared to be related to the natural gas pipelines into the building. Near the northwest corner of the building was a vent pipe leading inside the building.

Only one large-diameter protruding pipe in the ground was noted during fieldwork for this project. The pipe appeared to be a component of the water intake system at this facility.

Sanborn maps from 1886 through 1906 depicted a lumber storage yard along the river, and portions of a lumber storage shed on the south side of this site. The date of first development is unknown. Sanborn maps from 1912 depicted a park at the current buildings location, and railroad tracks south of the buildings. On the 1938 through 1980 aerial photographs, and on the 1950 through 1970 Sanborn maps, a portion of the main building was present. On Sanborn maps, the building was labeled as containing the Municipal Water Works. On the 1950 Sanborn map, a masonry block factory was depicted at the southwest corner of the site. On the 1957 Sanborn map, a foundry was depicted at the southwest corner. On the 1988 through 2002 aerial photographs, the current water treatment plant building was present. On the 2006 and later aerial photographs, the alignment of 18th Street had been change, and the site had its current configuration. City

directories from 1891 through 1898 listed individual names in the historical address range along 1st Avenue. City directories from 1906 through 1939 listed Sylvan Park. City directories from 1945 through 1958 listed City of Moline Water Plant in the historical address range of this site. City directories from 1965 through 2014 listed the City of Moline Water Plant at the current address.

Under the name "City of Moline Water Plant" and the address "30 18th Street", this site appears on the UST list (OSFM #3011710) with three registered USTs. According to OSFM files, one 3,785-liter (1,000-gallon) diesel UST and one 2,082-liter (550-gallon) gasoline UST are currently in use. See above for the locations of these USTs. One gasoline UST was removed in February 1989. This UST was located in the general location as the current USTs; however, the exact location of the former UST is unknown.

Under the name "Moline, City of Water Dept" and the address "3018 St", this site appears on the BOL list (IEPA #1610455122). According to IEPA files, in 1994, the City of Moline Water Department registered with the IEPA as a generator of unspecified types and amounts of waste. In 1996, the City of Moline Water Department was removed as a generator of special waste. The waste consisted of small rocks and pebbles with hydrated lime, used for water treatment. According to IEPA files, the waste stream was analyzed and determined to be non-toxic, and therefore would no longer be regulated as a special waste as of 1996. No further information was found in IEPA files regarding IEPA #1610455122.

Under the name "Moline, City of" and the address "1800 1st Ave", this site appears on the BOL list (IEPA #1610655161). Under the same IEPA number, the name "Moline Water Plant" and the address "1800 1st Ave." this site appears on the state brownfields list. Under the same IEPA number, the name "City of Moline" and the address "1800 1st Ave." this site appears on the SRP list. According to IEPA files, an investigation of the area south of the main building was completed by the site consultants Missman, Stanley & Associates (MSA) for the City of Moline. During a Phase I ESA that was conducted by MSA in 1998, potentially impacted soil was identified. In 1999 and 2001, several rounds of soil and groundwater took place. These investigations included the completion of the several soil borings and the installation of one permanent monitoring and three temporary monitoring wells (MW-1, EV-98-1, EV-98-2, and EV-98-3 on Attachment 4). None of these wells were present during the fieldwork for this project. Depth to groundwater was approximately 2.4 to 2.7 m (8 to 9 ft), and the groundwater flow direction was determined to be toward the north. Soil and groundwater samples were analyzed for VOCs, SVOCs, PNAs, and metals. Various metals and a PNA were detected above TACO Tier 1 commercial/industrial SROs. Various metals, PNAs, and VOCs were detected above TACO Tier 1 Class I GROs.

In 2003, this site entered the Site Remediation Program in order to obtain a comprehensive NFR letter. MSA conducted Tier 2 modeling that predicted that any potentially impacted groundwater was not likely to migrate offsite, and proposed to manage residual impact through the use of AULs. The modeled extent of impacted groundwater is depicted in Attachment 4. Based on this information, on March 24, 2004, IEPA issued a comprehensive NFR letter with the following AULs: industrial/commercial land use restriction, engineering controls in the form of an asphalt barrier; groundwater use restriction, and notification of potentially affected property owners. No list of affected property owners was found in IEPA files.

The IEPA conducted an inspection of this site on July 19, 2012 to check for compliance with the AULs specified in the NFR letter. The site was found to be in compliance. No further information was available in updated IEPA files regarding IEPA #1610655161.

Potential hazards associated with foundries and welding shops include metals and VOCs. Potential hazards associated with concrete factories include acids and VOCs.

The following information has been modified from ISGS #1314:

A magnetometer survey was conducted on July 22, 2002. The area surveyed was the entire undeveloped area between 19th Street on the east and a building on the west and between 1st and 2nd Avenues. One magnetic anomaly was detected, having dimensions of approximately 2 m (6.6 ft) parallel with 19th Street and 1.5 m (5 ft) parallel with 2nd Avenue. The anomaly was centered on a point approximately 5.5 m (18 ft) west of 19th Street and 37 m (121 ft) north of 2nd Avenue.

It is unknown if the detected anomaly is associated with an UST, and its status is unknown.

In one of three boreholes completed at this site for ISGS #1314 in 2002, VOCs were detected. See ISGS #1314 for details. In two boreholes completed at this site for PSI Weston #8 work order #40 in 2014, SVOCs and metals were detected in soil and/or groundwater. See PSI Weston #8 work order #40 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, pumps or dispensers, drums, monitoring wells, solid waste, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The contents of two of the three ASTs unknown.
- The date of first development is unknown.
- The exact location of the former UST is unknown.
- It is unknown if the detected anomaly is associated with an UST, and its status is unknown.

These buildings may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings. Water towers are commonly painted with lead paint, and this material may flake off the towers and enter soil beneath the tower. Therefore, lead paint may be present related to the water tower at this site.

The following RECs were identified at this site: USTs; former UST; potential UST(s); ASTs; former monitoring wells; evidence of chemical use; impacted soil and groundwater; VOCs detected in previous ISGS testing.

The following de minimis conditions were identified at this site: Transformers; potential ACM and lead paint.

**Site 1314V3-5 (1314-3, 1314-6, 1314V-4, 1314V2-5). Industrial building, 1 Kone Court, Moline (northeast, northwest, and southwest corners of Kone Court and 19th Street; no stationing provided; Attachment 2, page 1).** This site is occupied by a large, vacant, industrial building with parking lots to its southwest that extend beneath I-74. This site was surrounded by a fence; therefore, a complete site inspection could not be conducted. A pad-mounted transformer and a natural gas vent pipe were observed on the northwest corner of this site. A natural gas pipeline marker was observed on the northwest corner of Kone Court and 19th Street. Additional natural gas pipeline markers were observed east and west of this site, indicating a pipeline passes through this site in an east-west direction.

Sanborn maps from 1886 through 1906 depicted the Dimock Gould and Co. lumber yard on the south and east portions of this site. The date of first development is unknown. Sanborn maps from 1886 through 1970 depicted a railroad siding crossing the site from southeast to northwest. Sanborn maps from 1886 through 1898 depicted residences on the southwest part of the site. Sanborn maps from 1912 depicted a furnace works and most of the lumber yard to the south and east was depicted as vacant. Sanborn maps from 1898 through 1957 depicted the western portion of this site (now utilized as the parking lots) as occupied by various commercial and industrial occupants, including a cigar factory (1898-1906), a junk dealer (1906-1957), a candy factory (1912), a creamery (1950-1970), Stromberg Becker Manufacturing Company (1950-1957), and a coal dealer (1967-1970). Aerial photographs from 1938 and later depicted industrial buildings similar to the 1912 through 1957 Sanborn maps and some residential buildings. Sanborn maps from 1950 through 1970 depicted the northern end of the parking areas as Sylvan Park. Sanborn maps from 1957 through 1970 depicted Montgomery Elevator Co. (later known as Montgomery Kone Co. and Kone Co.) on the north side of this site. A "buried gasoline tank" was depicted on the 1957 Sanborn map along the north side of the Montgomery Elevator building, approximately 75 m (246 ft) east of Kone Court and 125 m (410 ft) north of 19th Street. This location is currently beneath the building of the former Kone Co. The status of this UST is unknown. Sanborn maps from 1957 through 1970 depicted Moline Tool Company, consisting of several buildings, south of the elevator company. Site features included a machine shop on the north side of these buildings. Aerial photographs from 1951 to 1970 depicted a junkyard near the 19th Street frontage between 1st and 2nd Avenue. Aerial photographs from 1970 through 1988 depicted a vacant lot on the west side and the current buildings present. Aerial photographs indicates that the railroad siding in this area was removed between 1970 and 1988. Aerial photographs from 1994 and later depicted the current buildings.

City directories from 1891 through 1911 either listed individual names or had no listings within the historical address range for this site. City directories from 1917 listed Moline Engineering Company and a junk dealer from 1917 through 1982 within the historical address range for this site. City directories listed E. H. Wilson Manufacturing and A.G. Abraham Company in 1925 within the historical address range for this site. City directories listed a trucking company from 1939 through 1945 within the historical address range for this site. City directories listed Montgomery Elevator, a salvage and lumber business, and a print shop in 1982 within the historical address range for this site. City directories listed Montgomery Elevator at 1 Montgomery Court from 1987 through 1992. City directories listed Kone Co. from 2004 through 2011 at the current address. During site inspections for ISGS #1314 in 2002 and for ISGS #1314V in 2010, the site was occupied by Kone Co.

Under the name "Kone Inc" and the address "1 Montgomery Ct", this site appears on the BOL list

(IEPA #1610455068). According to IEPA files, this address pertains to this site. In 2000, Kone Inc. registered with IEPA as a generator of an unspecified amounts of non-halogenated solvents and stillbottoms. In October 2006, a site inspection was conducted due to a citizen complaint that the company was improperly disposing of computers. No violations were found during the inspection. No further information was present in IEPA files regarding IEPA #1610455068.

Potential hazards associated with print shops and lithography, and with metal working and machining, and coal yards include VOCs and metals. Potential hazards associated with junkyards include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; and used lead-acid batteries.

No UST information was available from the Moline Fire Department for this site.

In one of six boreholes completed at this site for ISGS #1314 in 2002, VOCs were detected. In two soil samples collected at this site for ISGS #1314 in 2002, metals were detected and no PCBs were detected. See ISGS #1314 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- This site was surrounded by a fence; therefore, a complete site inspection could not be conducted.
- The date of first development is unknown.
- The status of the UST depicted on Sanborn maps is unknown.

This building may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Potential UST; evidence of former chemical use; VOCs and metals detected in previous ISGS testing.

The following de minimis conditions were identified at this site: Natural gas pipeline; transformers; potential ACM and lead paint.

**Site 1314V3-6 (1314-7, 1314V-5, 2708-64, 1314V2-6). Vacant land, 2020 River Drive, Moline (northwest corner of 22nd Street and River Drive; approximate River Drive station 3012+00**

**LT; Attachment 2, page 1).** This site is occupied by vacant grassy and wooded land. Concrete foundations were observed on the south and west portions of this site. A monitoring well was observed in the general area of MW-41 as depicted on Attachment 7. MW-1, MW-9, MW-12, MW-14, MW-16, MW-18, MW-20, MW-21, MW-33, MW-34, MW-35, MW-37, MW-36, MW-38, MW-39, and MW-40 as depicted on Attachment 7 and 8 were not observed. Soil piles were also observed on the west and northeast side of this site. A pole-mounted transformer was observed on the southeast corner of this site. A natural gas pipeline marker was observed on the southeast corner of the site. Additional natural gas pipeline markers were observed east of this site, indicating a pipeline passes through this site in an east-west direction. Due to the presence of dense vegetation, the northern portion of this site was not adequately inspected, and the status of MW-1, MW-9, MW-12, MW-14, MW-16, MW-18, MW-20, MW-21, MW-33, MW-34, MW-35, MW-37, MW-36, MW-38, MW-39, and MW-40 on Attachments 7 and 8 are unknown.

Sanborn maps from 1886 through 1912 depicted Dimock Gould lumber yard at this site. The date of first development is unknown. Sanborn maps from 1950 through 1970 depicted the lumber yard on the east side of the site and Frank Foundries on the west side. Site features of the foundry included a foundry, milling room, casting room, and oil house. According to a local resident, Frank Foundries started in this area in 1917 and ceased operations in 1992. Aerial photographs from 1938 through 1988 depicted industrial building resembling the industrial buildings for Frank Foundries depicted on Sanborn maps. Aerial photographs from 1993 through 2015 depicted vacant grassy land. City directories listed Frank Foundries from 1917 through 1992 within the historical address range for this site. No listing for this site were found in the 1997 through 2014 city directories.

Under the name "Frank Foundries Corp" and the address "2020 3rd Ave", this site appears on the UST list (OSFM #3002575) with one registered UST. According OSFM files, a gasoline UST was removed in November 1990. No location information was found, however, information from IEPA files in association with IEPA #903547 indicated the UST was located approximately 38 m (125 ft) north of 3rd Street and 41 m (135 ft) east of 21st Street. No further information was present in OSFM files regarding OSFM #3002575. See IEPA #903547, below, for a discussion of this UST.

Under the name "Frank Foundry Co" and the address "2020 3rd Ave", this site appears on the UST list(OSFM #3035383) with one registered UST. According to OSFM files, a heating-oil UST was removed in December 1996. The UST was located in a former material storage yard located approximately 213 m (700 ft) north of River Drive and approximately 100 m (328 ft) east of 20th Street. Removal logs indicated groundwater in the excavation had a petroleum sheen. No further information was present in OSFM files regarding OSFM #3035383. See IEPA #962282, below, for a discussion of this UST.

Under the name "Frank Foundries" and the address "2020 River Dr", this site appears on the BOL list (IEPA #1610455150). According to IEPA files, in an undated request, Frank Foundries applied for an IEPA generator number. The reason for the application was not stated. No further information was available in IEPA files regarding IEPA #1610455150.

Under the name "Frank Foundries Corp" and the address "2020 Third Ave", this site appears on the inactive RCRA list (USEPA #ILD005267562). Under the name "Frank Foundries Corp" and the address "2020 3rd Ave", this site appears on the BOL list (IEPA #1610455008). Under the same IEPA number, the name "Frank Foundries" and the address "2020 Third Avenue", this site appears on the SRP list (IEPA #1610455008). According to IEPA files, from 1980 through 1996, Frank

Foundries registered with the USEPA as a generator of 100 to 1,000 kg/mo (220 to 2,200 lb/mo) of ignitable wastes, corrosive wastes, and lead wastes. No further information regarding the generator status of this site was included in IEPA files.

Under the name "Frank Foundries Corp" and the address "2020 Third Ave.", this site appears on the LUST list (IEMA #903547). Under the name "Frank Foundries Co." and the address "2020 Third Ave.", this site appears on the LUST list (IEMA #962282). According to IEPA files, in November 1990 during the removal of a gasoline UST, evidence of a release was observed, and IEMA #903547 was issued. The UST was located in a former material storage yard, approximately 38 m (125 ft) north of River Drive and 41 m (135 ft) east of 21st Street. Following the removal of the impacted soil, soil samples were collected by Q.C. Metallurgical Laboratory, Inc. BTEX compounds were detected below IEPA objectives in effect at that time. Water was encountered in the excavation, and a sample was submitted for PAH analysis. The depth to groundwater was not documented. The groundwater water sample did not exceed the IEPA cleanup objectives for PAHs in effect at that time. Based on this information, on January 21, 1992, IEPA issued an NFR letter, with no AULs (Attachment 6). No further information was present in IEPA files regarding IEMA #903547.

According to IEPA files, Phase I and II environmental assessments by Environmental S/E Services Inc., were conducted for a possible land purchase in February 1992. Findings during this assessment included three transformers that were out of use but covered with oil. Sampling of the transformer oil was conducted with no PCBs detected. Approximately 200 drums containing discolored soil were observed in a drum-storage area located approximately 213 m (700 ft) north of River Drive. PCBs above regulatory levels in effect at that time were detected in soils in these drums. IEPA files indicated that from late 1992 to 1995, all ACM, drums, foundry waste material, oil-filled equipment, and water from a sump in a pallet building, were removed. During this same period, soil borings and seventeen monitoring wells (MW-1, MW-9, MW-12, MW-14, MW-16, MW-18, MW-20, MW-21, MW-33, MW-34, MW-35, MW-37, MW-36, MW-38, MW-39, and MW-40, and MW-41 on Attachments 7 and 8) were installed on this site to delineate the previously detected metals and VOC-impacted areas. Two soil borings were also completed at Site 1314V3-8 (northwest corner of 23rd Street and River Drive). Several areas of lead-impacted soil above regulatory levels in effect at that time were discovered on the northern half of this site, and benzene-impacted groundwater above regulatory levels in effect at that time was detected in the middle and northern portions of the site (see Attachment 7 for the estimated extent of impacted groundwater). Groundwater was encountered at a range of 1.2 to 4 m (4 to 12 ft) below the ground surface, with groundwater flow direction toward the north. During remedial activities in 1996, including soil removal and groundwater treatment via air stripping, an UST filled with what appeared to be groundwater was discovered in the approximate middle of this site. (see Attachment 7 for UST location). In samples of the liquid from this UST, VOCs above Class I GROs were detected, and IEMA #962282 was generated. Since this site was already undergoing remediation, remedial activities for this incident were added to this ongoing study.

A monitoring well was observed in the general area of MW-41 as depicted on Attachment 7. MW-1, MW-9, MW-12, MW-14, MW-16, MW-18, MW-20, MW-21, MW-33, MW-34, MW-35, MW-37, MW-36, MW-38, MW-39, and MW-40 as depicted on Attachment 7 and 8 were not observed.

Between 1996 and 1998, groundwater and soil samples were collected and analyzed for BTEX compounds and found to be below Class II GROs and TACO Tier 1 industrial/commercial objectives. Frank Foundries Corp. joined the SRP program in September 1998 to receive a



comprehensive NFR letter for the events discussed above. Based on this information, IEPA issued an Comprehensive NFR letter on October 6, 1998, for IEPA #1610455008 with no AULs (Attachment 8). The NFR letter did not include IEMA #962282. No further information was present in IEPA files regarding IEMA #962282.

During a RCRA Compliance Evaluation Inspection in January 2007, no violations were observed, and the site was vacant land. No further information was present in IEPA files regarding IEPA #1610455008.

None of the drums or equipment discussed above were observed during field work for this project.

The following information was modified from PESA #1314:

Information was received from the IEPA OER concerning a release of particulates (IEMA #820760) that occurred in 1982. A red granular residue was observed coating automobiles in the area of the plant. The event was reported by personnel at Montgomery Elevator Co. A representative from Frank Foundries indicated that this emission happened quite frequently and that he would go to Montgomery Elevator to discuss the problem with them. Further information concerning this event was not available in IEMA files. During a search of updated IEMA records, this IEMA number was no longer listed.

Under the name "Frank Foundries Corp." and the address "2020 Third Ave." this site appears on the on the TRI list (TRI #61265FRNKF2020T). According to TRI records, between 1988 and 1991, 340 kg/yr (750 lb/yr) of chromium was released to the air. Between 1988 and 1991, 114 kg/yr (250 lb/yr) of chromium were transferred off site for disposal. No further information was available in TRI records regrading this site.

Potential hazards associated with foundries include metals and VOCs.

In five boreholes completed at this site for PESA #1314 in 2002, VOCs were detected. In two soil samples collected at this site for PESA #1314, metals were detected. In a soil sample collected at this site for PESA #1314, PCBs were detected. See PESA #1314 for details.

In 16 of 19 boreholes completed at this site for PSI Weston #8 work order #40 in 2014, VOCs, SVOCs, metals, and/or PCBs were detected in soil and/or groundwater. See PSI Weston #8 work order #40 for details.

No visual evidence of stressed vegetation, pits or depressions, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, drums, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- Due to heavy vegetation, the northern portion of this site was not adequately viewed during site inspections, and the status of MW-1, MW-9, MW-12, MW-14, MW-16, MW-18, MW-20, MW-21, MW-33, MW-34, MW-35, MW-37, MW-36, MW-38, MW-39, and MW-40 are unknown.

- The date of first development is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Former USTs with documented releases; monitoring well; potential monitoring wells; former drums; evidence of former chemical use; air releases; VOCs, metals, and PCBs detected in previous PSI and ISGS testing.

The following de minimis conditions were identified at this site: Soil mounds; natural gas pipeline; transformer.

**Site 1314V3-7 (1314-J, 1314V-6, 2708-G, 1314V2-7). River Stone Moline Yard, 75 23rd Street and 301 River Drive, Moline (northeast corner of 23rd Street and River Drive; approximate River Drive station 3022+00 LT; Attachment 2, page 3).** This site is occupied by a landscape supply company and a sand and gravel company. Numerous gravel and sand piles were observed on the eastern portions of this site while smaller boulder piles and the main building were observed on the western portion. MW-14, MW-15, MW-16, MW-17, and MW-18 as depicted on Attachment 11 were not observed during fieldwork for this project. Due to the presence of fencing and concrete barriers, however, a complete inspection of the site's surface was not conducted. The status of MW-14, MW-15, MW-16, MW-17, and MW-18 are unknown. A pole-mounted transformer was observed along the western property boundary, and six pole-mounted transformers were observed along River Drive down the length of the site.

Sanborn maps from 1886 through 1970 depicted part of a lumber yard on the west side of the site, and various commercial businesses on the east side including a stone yard (1892), an ice house (1906-1912), a cement manufacturer (1950-1957), and a coal company (1957). The first date of development is unknown. Aerial photographs from 1938 and later depicted commercial and industrial buildings at this site. City directories from 1891 through 1898 either listed individual names or had no listings for this site. City directories listed individual names within the historical address range for this site, and included a lumber yard from 1905 through 1958; an icehouse and coal company from 1911 through 1925; and a cement company from 1911 through 1992. No potential hazards were identified in association with these occupants. City directories after 1992 did not have any listings for this site.

Under the name "Moline Consumers" and the address "200 23rd St", this site appears on the inactive RCRA list (USEPA #ILD984816942). Under the name "Riverstone Group Inc" and the address "2301 River Dr", this site appears on the BOL list (IEPA #1610455066). According to IEPA files, in 1991, Moline Consumers registered as a generator of hazardous wastes in quantities of 100-1,000 kg/mo (220-2,200 lb/mo) per month. The types of waste to be generated were listed as ignitable waste. During a RCRA inspection in February 2013, no violations were noted. No further information was present in IEPA files regarding IEPA #1610455066.

Information in IEPA files for Site 1314V3-20 (IEPA #1610455083) pertained to this site. Tier 2 modeling that predicted benzene-impacted groundwater could migrate offsite from Site 1314V3-19 onto this site. In response to LUST events at Site 1314V3-20, five monitoring wells (MW-14, MW-15, MW-16, MW-17, and MW-18 on Attachment 11) were installed on this site in March 2000. MW-14, MW-15, MW-16, MW-17, and MW-18 as depicted on Attachment 11 were not observed during

fieldwork for this project. Soil samples collected during the installation of these monitoring wells analyzed for BTEX and PAHs did not exceed Tier 1 commercial/industrial SROs. Groundwater samples analyzed for BTEX and PAHs did not exceed Tier 1 Class I GROs. were analyzed for BTEX. See Attachment 11 for the resulting modeled area of impacted groundwater. On February 8, 2008, municipal HAA was executed with the City of Moline for the River Drive ROW in response to investigation completed at 1314V3-20. See Attachment 16, page 10 for the area covered by the HAA. See Site 1314V3-20 for further details.

In one borehole completed at this site for PSI Weston #8 work order #40 in 2014, VOCs, and metals were detected in soil and/or groundwater. See PSI Weston #8 work order #40 for details.

Potential hazards associated with coal companies include acids, metals, VOCs, and PAHs. Potential hazards associated with concrete factories include VOCs.

No visual evidence of stressed vegetation, pits or depressions, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- Due to the presence of fencing and concrete barriers, however, a complete inspection of the site's surface was not conducted. The status of MW-14, MW-15, MW-16, MW-17, and MW-18 are unknown.
- The date of first development is unknown.
- The status of potentially impacted groundwater is unknown.

These buildings may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings.

The following RECs were identified at this site: Potential monitoring wells; evidence of chemical use; potentially impacted groundwater; HAA; VOCs and metals detected in previous PSI testing.

The following de minimis conditions were identified at this site: Mounding; transformers; potential ACM and lead paint.

**Site 1314V3-8 (1314V-7, 2708-T, 1314V2-8), Commercial building, 190 22nd Street, Moline (northwest corner of 23rd Street and River Drive; approximate River Drive station 3019+00 LT; Attachment 2, page 3).** This site is occupied by a vacant commercial building. Signage on the building indicated this site was formerly a cabinet company and a filtration distributor. Three pole-mounted transformers were observe near the northwest corner of the building.

On the 1886 through 1970 Sanborn maps and aerial photographs from 1938 through 1970 two different commercial buildings and railroad tracks were depicted, with Sanborn maps labeled the buildings as a lumber yard. The date of first development is unknown. Aerial photographs from 1988 through 2009 depicted the current building and no railroad tracks. Aerial photographs from 2010 through 2015 depicted the current building and a different entrance configuration. City directories from 1891 through 1898 either listed individual names or had no listings for this site. City directories listed a lumber yard within the historical address range for this site from 1905 through 1958, had no listings from 1965 through 1987, and listed a floor covering distributor from 1990 through 2004. City directories listed a cabinet manufacturer in 2004 and filtration systems company in 2011.

Under the name "Dimock Gould & Co" and the address "190 22Nd St", this site appears on the UST list (OSFM #3033500) with one registered UST. According to OSFM files, one diesel UST was removed in March 1995. No location information was found in OSFM files; however, according to an employee of Green Valley Cabinet interviewed in 2013, the UST was located near the northwest corner of the building, just north of the loading docks and approximately 116 m (380 ft) north of River Drive and 101 m (330 ft) west of 23rd Street.

Information in IEPA files for Site 1314V3-6 (IEPA #161045008) pertained to this site. According to IEPA files, in February 1992, two soil borings were completed at this site in response to SRP events at Site 1314V3-6. Soil samples analyzed for BTEX and metals did not exceed the IEPA cleanup objectives in effect at that time. Groundwater was not encountered during these activities. See Site 1314V3-6 for further details.

In seven of eight boreholes completed at this site for PSI Weston #8 work order #40 in 2014, VOCs, SVOCs, and metals were detected in soil and/or groundwater. See PSI Weston #8 work order #40 for details.

Potential hazards associated with the wood working industry include VOCs and metals.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

This building may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Former UST; potential chemical use; VOCs and metals detected in previous PSI testing.

The following de minimis conditions were identified at this site: Transformers; potential ACM and lead paint.

**Site 1314V3-9 (1314V-3 [partial], 1314V2-4 [partial]), Parking lot, 1800 block of 2nd Avenue, Moline (northwest corner of 19th Street and 2nd Avenue; no stationing provided; Attachment 2, page 3).** This site is occupied by a parking lot for Moline Enterprise Lofts (Site 1314V3-10). A natural gas pipeline marker was observed at the corner of 2nd Avenue and 19th Street on the southeast corner of the site. Additional natural gas pipeline markers were observed east of this site, indicating a pipeline passes through this site in an east-west direction. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1886 through 1906 depicted an opera house at this site. Sanborn maps from 1912 depicted residences, a saloon, a feed mill, warehouses, and a block factory. Aerial photographs from 1938 through 1964 depicted commercial buildings on the north side. Sanborn maps from 1950 through 1970 depicted the same buildings as the City of Moline Street Department with several garages. An UST was depicted approximately 30 m (100 ft) north of 2nd Avenue and 12 m (40 ft) west of 19th Street. The status of this UST is unknown. Aerial photographs from 1970 through 2014 depicted vacant land at this site. Aerial photographs from 2015 depicted the current parking lot. City directories from 1891 through 1925 either listed individual names or had no listings within the historical address range for this site. City directories from 1932 through 1945 listed a trucking company, cartage company, and another transportation company within the historical address range for this site. City directories from 1953 through 1982 listed the Moline Street Department within the historical address range for this site. In 1987 through 1997 city directories, no listings were found.

The following information has been modified from ISGS #1314:

A magnetometer survey was conducted in July 2002. The area surveyed was the entire undeveloped area between 19th Street on the east and a building on the west and between 1st and 2nd Avenues. One magnetic anomaly was detected, centered on a point approximately 5.5 m (18 ft) west of 19th Street and 37 m (121 ft) north of 2nd Avenue.

It is unknown if the detected anomaly is associated with an UST, and its status is unknown.

Historic trucking companies commonly conducted auto repairs on the premises. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The status of the UST depicted on Sanborn map is unknown.

- The status and location of any undocumented UST(s) at this site are unknown.
- It is unknown if the detected anomaly is associated with an UST, and its status is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Potential UST(s); potential former chemical use.

The following de minimis condition was identified at this site: Natural gas pipeline.

**Site 1314V3-10 (1314V-F, 2708-W, 1314V2-9), Moline Enterprise Lofts, 1871 River Drive, Moline (northwest corner of 19th Street and River Drive; no stationing provided; Attachment 2, page 3).** This site is occupied by an apartment building. Monitoring wells labeled MW-1, MW-2, MW-3, and MW-4 on Attachment 9 were not present.

Sanborn maps from 1886 through 1967 and aerial photographs from 1938 through 1964 depicted residential buildings at this site. Sanborn maps from 1970 depicted a small commercial building on the north side and a parking lot on the east side. Sanborn maps did not list occupancy for this building. Aerial photographs from 1970 through 2010 depicted the site as vacant with a gravel appearance. Aerial photographs from 2011 through 2015 depicted the current building. City directories from 1905 listed Moline Iron and Metal Company within the historical address range for this site. City directories from 1910 through 1997 listed individual names or had no listings within the historical address range for this site. In the 1997 through 2014 city directories, no listings were found.

Under the name "Enterprise Lofts" and the address "1809-1829 River Drive" this site appears on the USEPA Brownfields list (Property ID 79621). According to Brownfields records, Phase I and II Assessments were performed by Terracon in 2008 and 2009. The site was assessed for impacts to groundwater from metals and "other compounds". No further information regarding this site was present in Brownfields records.

Under the name "Moline Live-Work Lofts" and the address "1809-1829 River Dr", this site appears on the BOL list (IEPA #1610455283). Under the same IEPA number, the name "Moline Live-Work Lofts" and the address "1809-1829 River Drive", this site appears on the SRP list. According to IEPA files, as a result of the Phase I and II Assessments, Terracon installed four monitoring wells (MW-1 through MW-4) in 2010 (see Attachment 9 for monitoring well locations). None of these monitoring wells were present during the fieldwork for this project. The depth of groundwater was approximately 4 m (13 ft), and groundwater flow direction was determined to be toward the north. Soil samples collected during the installation of the monitoring wells and groundwater samples were analyzed for VOCs, SVOCs, PCBs, pesticides, and metals. No compounds were detected above TACO Tier 1 residential SROs. Metals were TACO Tier 1 Class I GROs. Terracon proposed to manage residual impact through the use of AULs. Based on this information, on September 23, 2010, IEPA issued a comprehensive NFR letter, with the following AULs: groundwater use restriction, and notification of potentially affected property owners. (Attachment 10). No list of affected property owners was found in IEPA files. No further information was present in IEPA files regarding IEPA #1610455283.

Potential hazards associated with foundries include acids and VOCs.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

No data gaps were identified at this site.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that this building was constructed after 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint is unlikely to be present in this building.

The following RECs were identified at this site: Former monitoring wells; potential former chemical use; impacted groundwater.

The following de minimis condition was identified at this site: Potential ACM.

**Site 1314V3-11 (1314-4, 1314V-8, 1314V2-10). Vacant land, 1900 block of River Drive, Moline (north side of River Drive between 19th and 20th Street; approximate River Drive station 3014+00 LT; Attachment 2, page 3).** This site is occupied by grassy vacant land that runs underneath I-74. A soil pile was observed east of I-74. A bike trail runs along the south side of this site. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1886 through 1912 depicted residences. Sanborn maps from 1950 through 1957 depicted residences, a restaurant, a grocer, and a roofing business. Sanborn maps also depicted a bridge crossing over this site. Sanborn maps from 1967 through 1970 depicted this site as vacant with the current I-74 bridge. Aerial photographs from 1938 through 1970 depicted residences and commercial buildings. Aerial photographs from 1980 and later depicted the site as vacant with a grassy appearance and bridge. City directories either listed individual names or had no listings for this site prior to 1939 within the historical address range for this site. City directories from 1945 through 1958 listed a roofing company, Eagle Signal Company, a traffic control device manufacturer, in 1945, and listed a grocer from 1953 through 1970 within the historical address range for this site. In 1970 through 1997 city directories, no listings were found.

In two boreholes completed at this site for ISGS #1314 in 2002, no VOCs were detected. In a soil sample collected from this site in 2002 for ISGS #1314, no PAHs were detected. See ISGS #1314 for details.

In seven of eight boreholes completed at this site for PSI Weston #8 work order #40 in 2014, VOCs, SVOCs, and metals were detected in soil and/or groundwater. See PSI Weston #8 work order #40 for details.

Potential hazards associated with manufacturing include metals, cutting oils, lubricants, solvents, and cutting fluids.

No visual evidence of stressed vegetation, pits or depressions, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

No data gaps were identified at this site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Potential former chemical use; VOCs, SVOCs, and metals detected in previous PSI testing.

The following de minimis condition was identified at this site: Soil pile.

**Site 1314V3-12 (1314-5, 1314V-9, 1314V2-11). Electric substation, 100 block of 20th Street, Moline (east side of 20th Street at 2nd Avenue; no stationing provided; Attachment 2, page 3).** This site is occupied by an electric substation consisting of two buildings. The interior of the buildings were partially observed and found to contain circuit and switching components. Three pad-mounted transformers and a natural gas pipeline marker were observed west of the buildings. Additional natural gas pipeline markers were observed west of this site, indicating a pipeline passes through this site in an east-west direction. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1886 through 1970 depicted this site as vacant. Aerial photographs from 1938 through 2015 depicted vacant land that was heavily wooded and overgrown with vegetation. No city directory listings were found for this address.

The following information has been modified from ISGS #1314 and #1314V.

Six transformers were arranged on this site in three sets of two each, mounted piggy-back fashion. To the east was an older transformer building constructed of concrete blocks and stained with an unknown black compound on the north side. East of the concrete block building was a metal building connected to the concrete block building through a large conduit at the top.

In one borehole completed at this site for PESA #1314, no PCBs were detected. See PESA #1314 for details. In one borehole completed at this site for PSI Weston #8 work order #40 in 2014, SVOCs and metals were detected in soil and/or groundwater. See PSI Weston #8 work order #40 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.



No data gaps were identified at this site.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings.

The following REC was identified at this site: SVOCs and metals.

The following de minimis conditions were identified at this site: Natural gas pipeline; transformers; potential ACM and lead paint.

**Site 1314V3-13 (1314-C, 1314V-10, 1314V2-12). Spiegel Moving and Storage, 202 20th Street, Moline (southeast corner of 2nd Avenue and 20th Street; no station provided; Attachment 2, page 3).** This site is occupied by a warehouse and storage building. Three vent pipes were observed along the east side of the building. These pipes appeared to be vent pipes and may indicate the presence of one or more USTs. Three transformers mounted to the exterior building were observed on its northwest corner. Black oil-like staining was observed under these transformers. A pole-mounted transformer was observed on the southeast corner of this site. No natural gas pipeline markers were observed at this site. However, natural gas pipeline markers were observed to the east and west of this site, and it is likely that a pipeline passes through this site as well. This site did not appear on any of the regulatory lists checked for this site.

Sanborn maps from 1886 through 1906 depicted Moline Pump Company at this site. Sanborn maps from 1912 depicted a residence. On the 1938 and later aerial photographs the current commercial building was present. The 1950 through 1970 Sanborn maps depicted the same building, labeled as Eagle Signal Corporation, an electronic timer manufacturer. City directories from 1897 through 1906 listed Moline Pump Company. City directories from 1911 through 1925 listed an individual name. City directories from 1939 through 1958 listed Eagle Signal Corporation. City directories from 1971 through 2014 listed Spiegel Moving and Storage.

The following information has been modified from ISGS #1314 and #1314V:

Jack, an employee at the site, stated that Spiegel Moving and Storage used the building for warehousing only. He said that service on trucks, such as oil changes and engine maintenance, was performed at commercial service facilities and not on this site. Also, he said that trucks obtained all fuel at commercial service stations and that there were no USTs on site. He said that the trucking company had been at this site since 1971 and that it was Eagle Signal Corporation prior to the trucking company's acquisition of the site.

No information was available from the Moline Fire Department concerning USTs at this site.

In three of three boreholes completed at this site for PSI Weston #8 work order #40 in 2014, SVOCs and metals were detected in soil and/or groundwater. See PSI Weston #8 work order #40 for details.

Potential hazards associated with electric components manufacturing include VOCs, PCBs, and

metals. Historic trucking companies commonly conducted auto repairs on the premises. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The status and location of any undocumented UST(s) at this site are unknown.
- No natural gas pipeline markers were observed at this site. However, natural gas pipeline markers were observed to the east and west of this site, and it is likely that a pipeline passes through this site as well.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Potential UST(s); staining; potential former chemical use; SVOCs and metals detected in previous PSI testing.

The following de minimis conditions were identified at this site: Transformers; likely natural gas pipeline; potential ACM and lead paint.

**Site 1314V3-14 (1314V-11, 1314V2-13). Vacant lot, 2021 River Drive, Moline (north side of River Drive between 20th Street and 21st Street; no stationing provided; Attachment 2, page 3).** This site is occupied by a vacant gravel-covered lot. During fieldwork for this project in May 2016, this site was occupied by a vacant commercial building. The address for this site was taken from the former building. The basemap used for Attachment 2 does not depict the current conditions at this site. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1886 through 1898 depicted residences at this site. Sanborn maps from 1906 through 1912 depicted a railroad depot with a rail line along its north side and on the 1938 and later aerial photographs, a commercial building resembling the Sanborn map building was shown. The 1950 through 1970 Sanborn maps depicted the same depot building but labeled as offices for Franks Foundries (Site 1314V3-6). City directories from 1891 through 1898 listed individual names within the historical address range for this site. City directories from 1912 through 1938 listed a railroad passenger depot within the historical address range for this site. City directories from 1945 listed Franks Foundries within the historical address range for this site. In the 1945 through 2011 city directories, no listings were found.

In three of six boreholes completed at this site for PSI Weston #8 work order #40 in 2014, VOCs, SVOCs, and metals were detected in soil and/or groundwater. See PSI Weston #8 work order #40 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

No data gaps were identified at this site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following REC was identified at this site: VOCs, SVOCs, and metals detected in previous PSI testing.

No de minimis conditions were identified at this site.

**Site 1314V3-15 (1314-I, 1314V-A, 1314V2-14). USI Midwest, 1800 River Drive, Moline (southwest corner of River Drive and 19th Street; no stationing provided; Attachment 2, page 3).** This site is occupied by offices for an insurance company. A large vacant grassy area was observed east of the building. A pad-mounted transformer was observed south of the building.

Sanborn maps from 1886 depicted residences and a grocery. The date of first development is unknown. Sanborn maps from 1892 through 1906 depicted residences and different commercial buildings, including a butcher, a grocer, and a sewing machine sales business. Sanborn maps from 1912 depicted the current building labeled as a post office on the west half and residences and unspecified commercial buildings on the east side of the site. On the 1938 through 1988 aerial photographs, the current building was shown on the west half and commercial buildings on the east half of the site. The 1950 and 1957 Sanborn maps depicted this same building, labeled as a federal field artillery building and offices on the east half of the site. Sanborn maps from 1967 through 1970 depicted a bearing manufacturer in the current building. Aerial photographs from 1994 and later depicted the current building with a grassy vacant land on its east side.

City directories from 1891 through 1911 listed individual names within the historical address range for this site. City directories from 1917 through 1987 listed an air filter company and a heating equipment manufacturer within the historical address range for this site. City directories from 1987 through 1997 listed Montgomery Elevator Company within the historical address range for this site. In the 1997 through 2011 city directories, no listings were found. During fieldwork for ISGS #1314V2 in 2013, a financial advising company occupied this site.

The following information has been modified from ISGS #1314:

Mr. Gary Widner, director of facilities for the Illinois Army National Guard, stated in an e-mail that this was a rented facility when the National Guard operated an armory at this site. It ceased being an armory when the two units present onsite were sent to Korea during the

### Korean War.

Under the name “Moline ORC AT&T (Former)” and the address “1804 River Dr”, this site appears on the BOL list (IEPA #1618113003). According to IEPA files, in 2012, Moline ORC registered with IEPA as a generator of unspecified wastes. No further information was present in IEPA files regarding IEPA #1618113003.

Under the name “Industrial Sales Company” and the address “1800 3rd Avenue”, this site appears on the Archived SEMS list (USEPA #ILD063256937). Under the name “Industrial Sales Co” and the address “1800 3rd Ave”, this site appears on the BOL (IEPA #1610455176). According to USEPA and IEPA files, this site was used to store used industrial equipment for sale through 1986. The site was added to the SEMS list due to a citizen complaint of oil leaking from a transformer. The transformer contained 2,271 liters (600 gallons) of dielectric fluid. A sample of oil from the transformer was analyzed by General Electric, and was found to contain PCBs. According to telephone logs in the USEPA file, five transformers were removed from the site by ESG Watts Disposal, under contract to First Midwest Bank who acquired the site following bankruptcy of Industrial Sales. Oil was drained from the transformers and transported offsite for incineration. An IEPA site inspection in 1988 of the former transformer area did not find any evidence of spills and no further action was recommended. No further information was present in USEPA or IEPA files for USEPA #ILD063256937 and IEPA #1610455176.

Potential hazards associated with manufacturing include VOCs and metals.

In one borehole completed at this site for PSI Weston #8 work order #40 in 2014, SVOCs and metals were detected in soil and/or groundwater. See PSI Weston #8 work order #40 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of earliest development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Evidence of chemical use; SVOCs and metals detected in previous PSI testing.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-16 (1314-11, 1314V-B, 2708-E, 1314V2-15). Kone, Inc., 325 19th Street, Moline**

**(northwest corner of 19th Street and 4th Avenue; no stationing provided; Attachment 2, page 3).** This site is occupied by offices for an elevator and escalator manufacturer. A natural gas pipeline marker was observed in the southeast corner of this site. Additional pipeline markers were observed east of this site, indicating the pipeline crosses this site in an east-west direction.

Sanborn maps from 1886 depicted a blacksmith, a paint shop, and a mason shop on the northwest corner and residences on the remainder of the site. The date of first development is unknown. Sanborn maps from 1892 through 1898 depicted Moline Buggy Works on the northwest corner of the site, in addition to the same blacksmith and paint shop. Sanborn maps from 1906 depicted a door factory on the west side of the site and a residence and a meat locker on the east side of the site. Sanborn maps from 1912 depicted a sheet metal shop, a tin shop, and a plaster mill on the west side of the site and residences on the east side of the site. On the 1938 and later aerial photographs, the current commercial building was shown. The 1950 through 1970 Sanborn maps depicted this same building, labeled as a window ventilator manufacturer. City directories from 1920 listed a cab company and a furnace company in the historic address range for this location. In city directories from 1921 through 1997, no listings were found. City directories from 2004 through 2014 listed Kone at this site.

Under the name "Kone Inc" and the address "325 19th Street", this site appears on the Inactive RCRA list (USEPA #ILD984827774). Under the name "Moline Accessories Company" and the address "325 19th St", this site appears on the BOL list (IEPA #1610455086). According to IEPA files, in 1991, Kone, Inc. registered with USEPA and IEPA as a generator between 100 and 1,000 kg/mo (220 and 2,200 lb/mo) of ignitable waste and an unspecified waste. No further information was available in IEPA files regarding IEPA #1610455086.

In two boreholes completed at this site for ISGS #1314 in 2002, no VOCs were detected. See ISGS #1314 for details.

Potential hazards associated with blacksmiths include heavy metals. Potential hazards associated with paint businesses include VOCs and metals. Potential hazards associated with metal working and machining include VOCs and metals.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following REC was identified at this site: Evidence of chemical use.

The following de minimis conditions were identified at this site: Natural gas pipeline; potential ACM and lead paint.

**Site 1314V3-17 (1314-12, 1314V-14, 2708-67, 1314V2-16). Parking lot, 300 block of 19th Street, Moline (southeast corner of 19th Street and River Drive; no stationing provided; Attachment 2, page 3).** This site is occupied by a parking lot. No natural gas pipeline markers were observed at this site. However, natural gas pipeline markers were observed to the east and west of this site, and it is likely that a pipeline passes through this site as well. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1886 through 1898 depicted residences at this site. Sanborn maps from 1906 depicted a machine shop on the east side of the site and residences on the remainder. Sanborn maps from 1912 depicted a railroad depot on the south side of the site, a machine shop on the northeast corner of the site, and residences along River Drive. On the 1938 through 1970 aerial photographs, two commercial buildings, one similar to the depot building depicted on the 1912 Sanborn map, and residences were shown. The 1950 through 1970 Sanborn maps depicted the same commercial buildings, labeled a machine shop on the northeast side of the site, offices in the depot building on the south side of the site, and residences on the northwest side of the site. Aerial photographs from 1980 through later depicted a parking lot.

City directories from 1891 through 1906 listed individual names in the historic address range for this location. City directories from 1911 through 1917 listed Moline Tool in the historic address range for this location. City directories from 1917 through 1958 listed a railroad freight depot in the historic address range for this location. City directories from 1925 through 1939 listed a sheet metal works within the historical address range for this site. City directories from 1953 through 1965 listed an elevator equipment company in the historic address range for this location. City directories from 1953 through 1965 listed a trucking company within the historical address range for this site. In city directories from 1965 through 2011, no listings were found.

Potential hazards associated with metal working and machining include VOCs and metals. Historic trucking companies commonly conducted auto repairs on the premises. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

In two soil samples collected at this site for PESA #1314, no metals or PCBs were detected. See PESA #1314 for details. In two of two boreholes completed at this site for PSI Weston #8 work order #40 in 2014, VOCs, SVOCs, and metals were detected in soil and/or groundwater. See PSI Weston #8 work order #40 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- No natural gas pipeline markers were observed at this site. However, natural gas pipeline markers were observed to the east and west of this site, and it is likely that a pipeline passes through this site as well.
- The status and location of any undocumented UST(s) at this site are unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Potential former chemical use; VOCs, SVOCs, and metals.

The following de minimis condition was identified at this site: Likely natural gas pipeline.

**Site 1314V3-18 (1314-8, 1314-9, 1314-10, 1314-13, 1314V-8, 2708-65, 1314V2-17), Vacant land, 1900-2100 blocks of River Drive, Moline (south side of River Drive between 19th Street and 22nd Street; approximate River Drive station 3015+00 RT; Attachment 2, page 3).** This site is occupied by vacant grassy land and extends beneath I-74. Three natural gas pipeline markers were observed along the north side of this site. A natural gas pipeline crosses this site in an east-west direction. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1886 through 1898 depicted a foundry and a machine shop on the east side of the site and residences on the remainder. The date of first development of this site is unknown. Sanborn maps from 1906 depicted a foundry and machine shop on the east side of the site and a machine shop and warehouse on the west side of the site. Sanborn maps from 1912 depicted a railroad freight depot on the south side of the site, a machine shop on the northwest side of the site, and a freight depot with a railyard on the east half of the site. On the 1938 through 1970 aerial photographs, three commercial buildings were shown on the northwest and south sides of the site and a gasoline station on the north side of the site. The 1950 through 1957 Sanborn maps depicted the same buildings, labeled an elevator bucket manufacturer, a freight house, and a coal yard and gasoline station. Three USTs were depicted approximately 94 m (310 ft) west of 22nd Street and 15 m (50 ft) south of River Drive. The status of these USTs are unknown. On the 1967 through 1970 Sanborn maps, only the bucket manufacturer and railyard was labeled. Aerial photographs from 1980 and later depicted vacant grassy land at this location.

City directories from 1905 listed Moline Pump Company in the historic address range for this location. City directories from 1911 through 1917 listed Interstate Motor Freight Systems in the historic address range for this location. City directories from 1940 through 1955 listed a gasoline station in the historic address range for this location. City directories from 1945 through 1975 listed a freight business, a roofing company, and a trucking company in the historic address range for this location. In 1975 through 2014 city directories, no listings were found.

No UST information was available from the Moline Fire Department for this site. In one of eight boreholes completed at this site for ISGS #1314 in 2002, VOCs were detected. In two soil samples collected from this site in 2002 for ISGS #1314, no metals were detected. See ISGS #1314 for details. In six of ten boreholes completed at this site for PSI Weston #8 work order #40 in 2014, SVOCs and metals were detected in soil and/or groundwater. See PSI Weston #8 work order #40 for details.

Potential hazards associated with foundries include metals and VOCs. Potential hazards associated with metal working and machining include VOCs and metals. Historic trucking companies commonly conducted auto repairs on the premises. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- The status of the UST depicted on Sanborn maps is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Potential UST(s); potential former chemical use; VOCs, SVOCs, and metals detected in previous ISGS and PSI testing.

The following de minimis condition was identified at this site: Natural gas pipeline.

**Site 1314V3-19 (1314V-12, 2708-61, 1314V2-18). Vacant lot, 2200 block of River Drive, Moline (southwest corner of River Drive and 23rd Street; approximate River Drive station 3018+35 RT; Attachment 2, page 3).** This site is occupied by a vacant gravel lot. A natural gas pipeline marker was observed on the northwest corner. Additional pipeline markers were observed west of this site indicating a pipeline crosses this site in an east-west direction. This site did not appear on any of the regulatory lists checked for this project.

On the 1886 through 1970 Sanborn maps, several buildings were present at this site. These buildings were labeled as containing a blacksmith (1886 through 1902), residences (1892 through 1902), a carpenter (1898 through 1970), and saloons (1906 through 1970). The date of first development is unknown. The 1938 through 1970 aerial photographs depicted the same buildings as the 1950 through 1970 Sanborn maps. Aerial photographs from 1980 through 1994 depicted a vacant gravel lot. City directories from 1891 through 1911 listed individual names at this site. City directories from 1917 through 1925 listed an ice and fuel company. City directories from 1917 through 1965 listed various commercial business within the historical address range for this site. Occupants with potential hazards included a coal company (1945 through 1965). No potential hazards were identified in association with any of the other occupants. In the 1970 through 2014 city directories, no listings were found within the historical address range for this site.



Information in IEPA files for Site 1314V3-30 (IEPA #1610455193) pertained to this site. Huff & Huff conducted Tier 2 modeling that predicted that impacted groundwater had the potential to migrate from Site 1314V3-30 onto this site (see Attachment 15). No testing was conducted on this site, and the status of any potentially impacted groundwater is unknown. On December 20, 2006, IEPA issued a NFR letter for IEPA #1610455193 (Site 1314V3-30) with an AUL that included notification of potentially affected property owners (Attachment 18). This site was not required to be notified. See Site 1314V3-30 for further details.

In one of three boreholes completed at this site for PSI Weston #8 work order #40 in 2014, SVOCs and metals were detected in soil and/or groundwater. See PSI Weston #8 work order #40 for details.

Potential hazards associated with blacksmiths include metals. Potential hazards associated with coal companies include acids, metals, VOCs, and PAHs. Potential hazards associated with fuel companies include metals, VOCs, PCBs, and undocumented USTs. Potential hazards associated with millwork or woodworking include VOCs and metals.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11 and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.
- The status of potentially impacted groundwater at this site is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Potential UST(s); potential former chemical use; potentially impacted groundwater; SVOCs and metals detected in previous PSI testing.

The following de minimis condition was identified at this site: Natural gas pipeline.

**Site 1314V3-20 (1314V2-19). River Stone, 2361 River Drive, Moline (southeast corner of River Drive and 23rd Street; no stationing provided; Attachment 2, page 3).** This site is occupied by a storage and maintenance area for an aggregate business. MW-1 through MW-3, MW-5, MW-7, and MW-8 on Attachment 11 were not present during fieldwork for this project. Two large rock piles were observed on the east and a commercial building was present on the west side of this site. An empty chemical container was observed along the east side of the building. Four pole-mounted transformers were observed along the north side of this site. No natural gas pipeline markers were observed at this site; however, natural gas pipeline markers were observed west of this site, and it is likely that a natural gas pipeline passes through this site in an east-west direction as well.

On the 1886 through 1957 Sanborn maps, the site was occupied by several buildings, labeled as containing a lumber yard with coal and lime storage (1886 through 1957), residences (1886 through 1892), office and wagon shop (1898), a concrete plant (1950 through 1957). The date of first development is unknown. Aerial photographs from 1938 through 1970 depicted commercial buildings similar to those on Sanborn maps from 1950 through 1970. On the 1950 through 1970 Sanborn maps, an oil house and bulk-oil AST was depicted on east side of the site. Aerial photographs from 1980 and later depicted the current building and gravel lot.

City directories from 1897 through 1958 listed a lumber yard at this site. A cement block factory also listed in 1925. City directories from 1962 through 1992 listed Moline Consumers garage. In city directories from 1997 through 2011, no listings were found.

Under the name "Moline Consumers" and the address "2361 3rd Ave", this site appears on the BOL list (IEPA #1610455083). Under the name "Moline Consumers Co." and the address "2357 3rd Ave", this site appears on the LUST list (IEMA #980355). Under the name "MCC - Moline Yard" and the address "2357 3rd Avenue", this site appears on the UST list (OSFM #3022216) with one registered UST. According to OSFM files, diesel UST was removed in 1998. The UST was located approximately 38 m (125 ft) south of River Drive and 183 m (600 ft) east of 23rd Street (see below for a discussion of this UST).

According to IEPA files, in February 1998, evidence of a release was observed during the removal of a diesel UST, and IEMA #980355 was issued. Groundwater was encountered during removal activities. In March 2000, Rock River Consulting (RRC) conducted site investigations to determine the extent of impacted soil and/or groundwater at the site. These investigations included the completion of soil borings and installation of six monitoring wells (see MW-1 through MW-3, MW-5, MW-7, and MW-8 on Attachment 11). None of these monitoring wells were present during fieldwork for this project. In February 2002, MW-14 through MW-18 were completed offsite on Site 1314V3-7. BTEX was detected above TACO Tier 1 industrial/commercial SROs. BTEX and PNAs were detected above TACO Tier 1 Class I and II GROs. Depth to groundwater ranged from 1.2 to 1.8 m (4 to 6 ft), and groundwater flow direction was determined to be toward the north.

In August 2005, the impacted soil was excavated. Soil samples collected from the excavation and groundwater samples collected for the monitoring wells were analyzed for BTEX. BTEX was detected above TACO Tier 1 residential SROs, and benzene was detected above TACO Tier 1 Class I and II GROs. RRC performed Tier 2 modeling that predicted that impacted groundwater would be present onsite and offsite across River Drive to the north. See Attachment 11 for the modeled extent of impacted groundwater. On February 8, 2008, municipal HAA was executed with the City of Moline for the River Drive ROW (see page 10 of Attachment 12 for the area of the HAA). The agreement area for this HAA adjoins Site 1314V3-7. Based on this information, on March 12, 2008, IEPA issued an NFR letter for IEMA #980355 with the following AULs: commercial/industrial land use restriction; groundwater use restriction, and maintenance of an HAA with the City of Moline (Attachment 12). No further information was present in IEPA files regarding IEPA #1610455083.

Potential hazards associated with concrete factories include acids and VOCs. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformer, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- Although no natural gas pipeline markers were observed at this site, natural gas pipeline markers were observed to the west of this site, and it is likely that a natural gas pipeline passes through this site in an east-west direction as well.
- The date of first development is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Former UST with a documented release; potential UST(s); former AST; former monitoring wells; chemical container; potential former chemical use; impacted soil and groundwater; HAA.

The following de minimis conditions were identified at this site: Transformers; likely natural gas pipeline; potential ACM and lead paint.

**Site 1314V3-21 (1314-12, 1314-16, 1314V-13, 2708-60, 1314V2-20). BNSF Railroad, 1900-2200 blocks of 4th Avenue, Moline (north side of 4th Avenue between 18th Street and 23rd Street; approximate 4th Avenue stations 402+00 to 410+00 LT; Attachments 3 and 13).** This site is occupied by a railroad and a short spur at 23rd Street. Three signal boxes were observed, one east of 19th Street, one north of the railroad on an alignment with 22nd Street, and one west of 23rd Street. The 22nd Street box also had a battery box associated with the signal box. This site did not appear on any of the regulatory lists checked for this project.

On the 1886 through 1970 Sanborn maps, and on the 1938 and late aerial photographs, a railroad track was present at this site. The date of first development is unknown.

Information in IEPA files for Site 1314V3-30 (IEPA #1610455193) pertained to this site. Huff & Huff conducted Tier 2 modeling that predicted that impacted groundwater had the potential to migrate from Site 1314V3-30 onto this site. No testing was conducted on this site, and the status of any potentially impacted groundwater is unknown. On December 20, 2006, IEPA issued a NFR letter for IEPA #1610455193 (Site 1314V3-30) with an AUL that included notification of potentially affected property owners (Attachment 18). This site was required to be notified. No notification letters were present in IEPA files. See Site 1314V3-30 for further details.

Potential hazards associated with railroad signal and battery boxes include batteries and metals.

In one of two soil samples collected at this site for ISGS #1314 in 2002, PCBs were detected. No metals were detected in two soil samples. See ISGS #1314 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.
- The status of potentially impacted groundwater is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Railroad signal and battery boxes; potentially impacted groundwater; PCBs detected in previous ISGS testing.

No de minimis conditions were identified at this site.

**Site 1314V3-22 (2708-68, 1314V2-21). Parking lot, 1800 block of 4th Avenue, Moline (south side of 4th Avenue between 18th and 19th Street; no stationing provided; Attachment 2, page 4).** This site is occupied by a parking lot. A complete site inspection could not be conducted due to the presence of numerous vehicles, and the status of MW-99-3 on Attachment 15 is unknown. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1886 through 1912 depicted residences at this site. The date of first development is unknown. Aerial photographs from 1938 through 1970 depicted a commercial building and the 1950 through 1970 Sanborn maps depicted the same building, labeled a railroad passenger depot. Aerial photographs from 1980 and later depicted the current parking lot. City directories from 1891 through 1911 listed individual names. City directories from 1915 through 1971 listed a railroad passenger station within the historical address range for this site. In the 1977 through 2014 city directories, no listings were found.

Information in IEPA files for Site 1314V3-24 (IEPA #1610455138) pertained to this site. In response to LUST events at that site, a monitoring well (MW-99-3 on Attachment 15) was installed by GSI at this site to determine the extent of impacted groundwater offsite. Due to the presence of numerous vehicles, the location of this monitoring well could not be observed, and its status is unknown. BTEX and PAHs were detected below TACO Tier 1 Class I GROs. GSI conducted Tier 2 modeling that predicted that impacted groundwater had the potential to migrate from Site 1314V3-24 onto this site. The status of any potentially impacted groundwater is unknown. On May 3, 2005, a HAA was executed with the City of Moline for the 19th Street ROW (see Attachment 16, page 10, for the area of the HAA). The agreement area for this municipal HAA adjoins this site. On

May 3, 2005, IEPA issued an NFR letter for IEMA #942422 with an AUL that included notification of potentially affected property owners (Attachment 16). This site was required to be notified. No notification letters were present in IEPA files. See Site 1314V3-24 for further details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- A complete site inspection could not be conducted due to the presence of numerous vehicles, and the status of MW-99-3 is unknown.
- The status of potentially impacted groundwater is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Potential monitoring well; potentially impacted groundwater; HAA.

No de minimis conditions were identified at this site.

**Site 1314V3-23 (1314-P, 1314V2-22). LeClaire Apartments, 421 19th Street, Moline (northwest corner of 5th Avenue and 19th Street; no stationing provided; Attachment 2, page 4).** This site is occupied by a multi-story apartment building with a parking lot along its west side. MW-99-2 on Attachment 13 was not present during fieldwork for this project. MW14, MW15, and MW16 on Attachment 19 were not present during fieldwork for this project. A generator with a diesel AST underneath was observed on the north side of the parking lot.

Sanborn maps from 1886 through 1912 depicted residences at this site. The date of first development is unknown. Aerial photographs from 1938 and later depicted the current building on the east side, and Sanborn maps from 1950 through 1970 depicted same commercial building, labeled a hotel. Aerial photographs from 1938 through 1973 depicted a commercial building on the west side. Aerial photographs from 1978 and later depicted a parking lot on the west side. City directories from 1891 through 1920 listed individual names. In the 1925 through 1971 city directories, numerous commercial occupants were listed in the historic address ranges for this site, including some with generic names and an automobile dealership (1932 through 1955) and a battery and tire business (1960 through 1971). No potential hazards were identified in association with any of the other occupants. City directories from 1953 through 1970 listed a hotel. In the 1977 through 2014 city directories, no listings were found.

Under the name "LeClaire Apartments Llc" and the address "421 19th St", this site is on the UST list (OSFM #3045760) with one registered UST. According to OSFM files, one fuel-oil UST was removed in December 2014. The UST was located near the northwest corner of the parking lot,

approximately 17 m (56 ft) south of 4th Avenue and 83 m (272 ft) west of 19th Street. Soil samples collected from the excavation were analyzed for BTEX. BTEX was detected below TACO Tier 1 residential SROs. Groundwater was not encountered. No further information was present in OSFM files regarding OSFM #3045760.

Information in IEPA files for Site 1314V3-24 (IEPA #1610455138) pertained to this site. In response to LUST events at that site, a monitoring well (MW-99-2 on Attachment 15) was installed by GSI at this site to determine the extent of impacted groundwater offsite. Groundwater samples were analyzed for BTEX and PAHs. This monitoring well was not present during fieldwork for this project. BTEX and PAHs were detected below TACO Tier 1 Class I GROs. GSI conducted Tier 2 modeling that predicted that impacted groundwater had the potential to migrate from Site 1314V3-24 onto this site. See Attachment 15 for the modeled extent of impacted groundwater. The status of any potentially impacted groundwater is unknown. On May 3, 2005, a HAA was executed with the City of Moline for the 19th Street ROW (see Attachment 16, page 10, for the area of the HAA). The agreement area for this municipal HAA adjoins this site. On May 3, 2005, IEPA issued an NFR letter for IEMA #942422 with an AUL that included notification of potentially affected property owners (Attachment 14). This site was required to be notified. No notification letters were present in IEPA files. See Site 1314V3-24 for further details.

Information in IEPA files for Site 1314V3-31 (IEPA #1610455194) pertained to this site. In response to LUST events at Site 1314V3-31, three monitoring wells were installed at this site (MW14, MW15, and MW16 on Attachment 19) and groundwater samples were analyzed for BTEX. These monitoring wells were not present during the fieldwork for this project. BTEX was detected above TACO Tier 1 Class I GROs. See Attachment 19 for the estimated extent of impacted groundwater. On February 23, 2006, IEPA issued an NFR letter for IEMA #20030936 (Site 1314V3-31) with an AUL that included notification of potentially affected property owners (Attachment 20). This site was required to be notified. See Site 1314V3-31 for further details.

Historic auto dealerships commonly conducted vehicle repair on the premises. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- The status of any potentially impacted groundwater is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or

stove and furnace insulation. Evidence from aerial photographs indicates that this residential building was constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in this building.

The following RECs were identified at this site: Former UST; potential UST(s); AST; former monitoring wells; potential former chemical use; impacted groundwater; HAA.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-24 (1314-14, 1314-18, 1314-20, 1314-22, 1314-24, 1314-25, 1314-K, 1314-S, 1314-D, 1314V-G, 2708-67, 2708-Q, 2708-X, 1314V2-23), John Deere, 400 19th Street, Moline (southeast corner of 4th Avenue and 19th Street; no stationing provided; Attachment 2, page 4).** This site is occupied by an office building, a parking lot, an utility building west of I-74, and a large parking lot and commercial building east of I-74. Five protruding pipes, which had the appearance of vent pipes, were observed on the northeast corner of the office building; however, it could not be verified if USTs were present at this location. At least one vent pipe is associated with a natural gas utility. A generator with a diesel AST underneath was also observed on the northeast side of the building. MW-1, MW-2, MW-2A, MW-3, MW-3A, MW-4, MW-99-1, MW-99-4, and MW-99-6 on Attachment 15 were not present during fieldwork for this project. Four pad-transformers were observed along the east side of the office building. Three pole-mounted transformers were observed along the east side of the east parking lot. Inside the storage building on the south parking lot, two chemical containers with unknown contents were observed.

Due to the complexity of the history of this site, the site history section is divided into three areas: the office building; the parking area and storage building to the south of the office building; and the utility building and parking area to the east of the office building.

#### **Office building:**

Sanborn maps from 1886 through 1912 depicted residences and a different office at this site. The date of first development is unknown. Aerial photographs from 1938 and later depicted the current building. Sanborn maps from 1950 through 1970 depicted the same current building, labeled John Deere offices. City directories from 1891 through 1925 listed individual names. City directories from 1932 through 2014 listed John Deere at this location.

#### **South parking area and storage building:**

Sanborn maps from 1886 through 1912 depicted residences at this site. The date of first development is unknown. Aerial photographs from 1938 through 2011 depicted two different commercial buildings on the west side. Sanborn maps from 1950 depicted the same commercial buildings, labeled a garage, a restaurant, and stores in one of the buildings, and two gasoline stations (one at the northeast corner of 19th Street and 5th Avenue and one at the northwest corner of 20th Street and 5th Avenue). A total of seven USTs were depicted at this location: three gasoline USTs were located approximately 15 m (50 ft) east of 19th Street and 27 m (90 ft) north of 5th Avenue; one UST was located approximately 38 m (125 ft) east of 19th Street and in the 5th Avenue ROW; and three gasoline USTs were located along the north side of 5th Avenue approximately 91 m (300 ft) east of 19th Street. The status of these USTs is unknown. Sanborn maps from 1957 through 1970 depicted the same commercial buildings, labeled a dry cleaning

shop, a gasoline station, and a garage. Only one UST was depicted in the 5th Avenue ROW. The status of this UST is unknown. Aerial photographs from 1958 through 2014 depicted a small utility building on the south side of the parking lot in addition to the other commercial buildings.

City directories from 1891 through 1925 listed either individual names or had no listings for this area. City directories from 1932 through 1992 listed various commercial occupants were listed in the historic address ranges for this site, including a gasoline station (1932 through 1953), an auto repair shop (1958), a second gasoline station (1945 through 1965) and an auto repair shop (1958 through 1965). No potential hazards were identified in association with any other occupants. In the 1997 through 2014 city directories, no listings were found.

### **East parking area and building:**

Sanborn maps from 1886 through 1912 depicted the Barnard and Lea Manufacturing Company at this site, with a foundry and machine shop on the north side and a lumber yard on the south side. The date of first development is unknown. Aerial photographs from 1938 through 1970 depicted commercial buildings. Sanborn maps from 1950 through 1957 depicted the same buildings, labeled Zephyr Laundry Machine Co., a unspecified commercial building and a restaurant. A gasoline station was also depicted at the northeast corner of 20th Street and 5th Avenue with three USTs depicted approximately 91 m (300 ft) west of 21st Street and 38 m (125 ft) north of 5th Avenue. Sanborn maps from 1967 through 1970 labeled the buildings as containing a used auto sales business at the northwest corner of 21st Street and 5th Avenue, a gasoline station at the northeast corner of 20th Street and 5th Avenue, with the same three USTs depicted. The status of these USTs is unknown. A laundry machine factory was also depicted. Aerial photographs from 1980 and later depicted the current parking area.

City directories from 1891 through 1925 listed Barnard and Lea. In the 1932 through 1977 city directories, numerous commercial occupants were listed in the historic address ranges for this site, including some with generic names, including a gasoline station (1932 through 1939), a foundry (1939), a second gasoline station (1945 through 1965), an auto parts warehouse (1953 through 1965), and an auto sales business (1953 through 1977). No potential hazards were identified in association with any other occupants. In the 2004 through 2014 city directories, no listings were found.

No information was available from the Moline Fire Department concerning USTs at this site.

The following information has been modified from ISGS #2708:

During a site inspection, a building was observed directly east of the 5-story building along the south side of 4th Avenue that housed what appeared to be several large generators. Three ASTs all labeled "diesel" were present next to the west side of this building.

The ASTs were not observed during fieldwork for this project. The status of these ASTs are unknown.

Under the name "Mikes Auto" and the address "428 19th St", this site appears on the BOL list (IEPA #1610455138). Under the name "Orvil Union 76" and the address "428 19th Street", this site appears on the LUST list (IEMA #942422). Under the name "Former Orvil Union 76" and the address "428 19th Street", this site appears on the UST list (OSFM #3015497) with five registered



USTs. According to OSFM files, one used-oil UST and three gasoline USTs were removed in 1994, and one heating-oil UST was removed in 2012. The four USTs removed in 1994 were located approximately 16 m (52 ft) east of 19th Street and 38 m (125 ft) north of 5th Avenue. See IEMA #942422, below, for a discussion of the USTs. No information regarding the location of the heating-oil UST was present in OSFM files, and its former location is unknown.

According to IEPA files, in October 1994, three gasoline USTs and one used-oil UST were removed from this site. Evidence of a release was observed, and IEMA #942422 was issued. A site investigation was conducted by Geotechnical Services, Inc. (GSI) that determined only the gasoline UST and not the used-oil UST had leaking. Soil and groundwater samples collected from the excavation and surrounding area were analyzed for BTEX. BTEX was detected in both the soil and groundwater above IEPA objectives in effect at that time. Water was encountered in these borings between 3.1 and 4.1 m (10.3 and 13.3 ft), and groundwater flow direction was toward the southwest beneath 19th Street and toward the southeast beneath 5th Avenue. Additional site activities were completed in 1996 including the installation of four monitoring wells (MW-1 through MW-4 on Attachment 15). These monitoring wells were not present during the fieldwork for this project. BTEX and metal were detected above TACO Tier 1 Class I GROs at the north, south, and west property lines. In 1999, three on-site monitoring wells (MW-99-1, MW-99-4, and MW-99-6) were installed, one off-site monitoring well (MW-99-2) was installed at Site 1314V3-23, and one off-site monitoring well (MW-99-3) was installed at Site 1314V3-22. MW-99-1, MW-99-4, and MW-99-6 were not present during fieldwork for this project. BTEX and PAHs were not detected above TACO Tier 1 Class I GROs in any of the off-site wells. Soil samples were not collected at these off-site locations. During the most recent soil and groundwater sampling events in 2000, only BTEX was detected above TACO Tier 1 industrial/commercial SROs, and BTEX and lead were detected above TACO Tier 1 Class I GROs. Attachment 13 depicts the estimated extent of impacted soil, and Attachment 14 depicts the estimated extent of impacted groundwater.

GSI developed Tier 2 objectives and conducted Tier 2 modeling to determine that impacted groundwater was likely to migrate offsite. Attachment 15 depicts the modeled extent of impacted groundwater. GSI proposed to manage residual impact through AULs, and a HAA with the City of Moline. On September 12, 2003, municipal HAA was executed with the City of Moline for the 19th Street and 5th Avenue ROWs, and the alley north of the site (see page 10 of Attachment 16 for the area of the HAA). The agreement area for this HAA adjoins Sites 1314V3-22, 1314V3-23, 1314V3-31, 1314V3-32, and 1314V3-33. Based on this information, on May 3, 2005, IEPA issued an NFR letter for IEMA #942422 with the following AULs: a worker safety plan, an engineered barrier in the form of a concrete slab, a HAA maintained with the City of Moline, a groundwater use restriction, and notification of potentially affected property owners (Attachment 16). No notification letters were present in IEPA files. No further information was available in IEPA files regarding IEMA #942422.

Under the name "Tag Enterprises" and the address "1909 5th Ave", this site appears on the BOL list (IEPA #1610455236). According to IEPA files, in 2002, Tag Enterprises registered with IEPA as a generator of unspecified wastes. No further information was present in IEPA files regarding IEPA #1610455236.

Under the name "Deere and Co" and the address "400 19th St", this site appears on the active RCRA list (USEPA #ILR000063875). Under the name "Deere & Co." and the address "400 19th Street", this site appears on the BOL list (IEPA #1610455119). According to IEPA files, in 1999, Deere & Company registered with USEPA and IEPA as a generator of less than 100 kg/mo (220 lb/mo) of ignitable waste. From 2009 through 2011 the site was permitted by USEPA as a

nonhazardous special waste generator. No further information was present in IEPA files regarding IEPA #1610455119.

Under the name "Deere and Company" and the address "400 19th Street", this site appears on the IEMA non-LUST list (IEMA #1982197). According to IEMA records, a release of 2,495 kgs (5,500 lbs) of Halon 1301 occurred on September 3, 1998, due to an accidental triggering of a fire protection system. Halon is a gas and was released into the atmosphere. No further information was present in IEMA files regarding IEMA #1982197.

Information in IEPA files for Site 1314V3-31 (IEPA #1610455194) pertained to this site. In response to LUST events at Site 1314V3-31, one monitoring well was installed at this site (MW17 on Attachment 19) and groundwater samples were analyzed for BTEX. No groundwater samples from this location exceeded TACO Tier 1 Class I GROs. This monitoring well was not present during fieldwork for this project. See Site 1314V3-31 for further details.

Potential hazards associated with dry cleaning businesses include VOCs. Potential hazards associated with foundries include acids, metals, and VOCs. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

In four of fifteen boreholes completed at this site for ISGS #1314 in 2002, VOCs were detected. In a soil sample collected from this site in 2002 for ISGS #1314, metals were detected. See ISGS #1314 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, pumps or dispensers, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The presence of USTs is unknown.
- The contents of the chemical containers are unknown.
- The date of first development is unknown.
- The status of the USTs depicted on Sanborn maps is unknown.
- The location of the former heating-oil UST is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be

present in these buildings.

The following RECs were identified at this site: Former USTs with a documented release; potential UST(s); AST; former ASTs; former monitoring wells; evidence of chemical use; chemical containers; air release; impacted soil and groundwater; HAA; VOCs and metals detected in previous ISGS testing.

The following de minimis conditions were identified at this site: Transformers; potential ACM and lead paint.

**Site 1314V3-25 (1314-15, 1314V-15, 2708-63, 1314V2-24). Sivyer Steel Corp., 400 21st Street, Moline (south side of 4th Avenue between 19th and 22nd Street; approximate station 405+00 RT of 4th Avenue; Attachment 2, page 4).** This site is occupied by a metal machine shop. Two 208-liter (55-gallon) drums with unknown contents were observed along the west side of the building. A pad-mounted transformer was observed near the south side of the building.

The following information has been modified from ISGS #1314V:

A site inspection revealed the presence of multiple 208-liter (55-gallon) drums that were visible in a garage bay near the west side of the building, and three more sealed drums on a pallet outside the west side of the building. Dark stains on the pavement were present around the trash dumpsters located near the intersection of 21st Street and the alley running along the south side of the building.

These drums and stains were not observed at this site during fieldwork for this project.

Sanborn maps from 1886 depicted a foundry on the northwest side of this site with the remainder of the site not depicted. The date of first development is unknown. Sanborn maps from 1892 through 1906 depicted residences on the middle and eastern parts of the site, and the same foundry at the northwest corner of the site. Sanborn maps from 1912 depicted industrial buildings associated with the foundry over the entire site. Aerial photos from 1938 and later depicted industrial buildings at this site, and Sanborn maps from 1960 through 1970 depicted the same buildings, labeled a laundry machine factory. City directories from 1891 through 1898 either listed individual names or had no listing for this site. City directories from 1905 through 1925 listed Barnard and Leas Manufacturing, a foundry. City directories from 1953 through 1965 listed a laundry machine manufacturer. In the 1971 through 1982 city directories, no listings were found. City directories listed Sivyer Steel in 1987 through 1997. In the 2004 through 2014 city directories, no listings were found.

Under the name "Riverside Products Division" and the address "400 21st Street", this site appears on the BOL list (IEPA #1610455040). According to IEPA files, in 1998, Riverside Products registered with IEPA as a generator of unspecified wastes. No further information was present in IEPA files regarding IEPA #1610455040.

In two of three boreholes completed at this site for ISGS #1314 in 2002, VOCs were detected. In a soil sample collected at this site for ISGS #1314 in 2002, no metals were detected. See ISGS #1314 for details.

Potential hazards associated with foundries include acids, metals, and VOCs. Potential hazards associated with metal working and machining include metals and VOCs.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The contents of the drums are unknown.
- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Drums; former drums; evidence of chemical use; VOCs detected in previous ISGS testing.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-26 (1314-26, 1314V-16, 1314V2-25). Commercial building, 2101 5th Avenue, Moline (northeast corner of 5th Avenue and 21st Street; no stationing provided; Attachment 2, page 4).** This site is occupied by a vacant commercial building. A pole-mounted transformer was observed along the north side of the building. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1892 through 1912 depicted a residence. The date of first development is unknown. Aerial photographs from 1938 depicted a residence. Aerial photographs from 1958 and later depicted the current commercial building and Sanborn maps from 1957 through 1970 depicted the same commercial building, labeled an automobile sales and service business. City directories from 1915 through 1958 listed individual names. City directories from 1959 through 1977 listed an automobile dealership. City directories from 1982 through 2011 listed a building contractor. In 2014 city directories, no listings were found.

During interviews for ISGS #1314V in 2011, the owner stated that a used-oil UST had been removed from an area near the northeast corner of the building.

In three boreholes completed at this site for ISGS #1314 in 2002, no VOCs were detected. See ISGS #1314 for details.

Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and

transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Former UST; potential UST(s); potential former chemical use.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-27 (1314-28 [partial], 1314V2-26 [partial]). Residence, 2107 5th Avenue, Moline (north side of 5th Avenue between 21st and 22nd Street; no stationing provided; Attachment 2, page 4).** This site is occupied by a residence. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1892 through 1912 depicted a different residence. The date of first development is unknown. Aerial photographs from 1938 and later and Sanborn maps from 1950 through 1970 depicted the current residence. City directories from 1915 through 1992 listed individual names. In the 1997 through 2014 city directories, no listings were found. During field work for ISGS 1314 in 2002, this site was occupied by a residence. During field work for 1314V2, this site was occupied by a parsonage building for a church.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that this residential building was constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in this building.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-28 (1314-28 [partial], 1314V2-26 [partial]). Residential building, 2109 5th Avenue, Moline (north side of 5th Avenue between 21st and 22nd Street; no stationing provided; Attachment 2, page 4).** This site is occupied by a commercial building converted for use as an apartment building. A pole-mounted transformer was observed along the north side of the building. This site did not appear on any of the regulatory lists checked for this project.

On the 1892 through 1912 Sanborn maps, a residence was present at this site. The date of first development is unknown. Aerial photographs from 1938 and later, and Sanborn maps from 1950 through 1957, depicted the current commercial building, labeled as containing a store and a dry cleaners. A gasoline UST was depicted approximately 38 m (125 ft) east of 21st Street and 44 m (145 ft) north of 5th Avenue. The status of this UST is unknown. Sanborn maps from 1967 through 1970 depicted an automobile sales and service business with the same gasoline UST still present. City directories from 1939 listed a dry cleaners. City directories from 1953 listed a chiropractor. City directories from 1953 through 1992 listed an automobile sales facility. In the 1997 through 2014 city directories, no listings were found. During field work for ISGS #1314 in 2002 and for ISGS #1314V2 in 2013, this site was a church.

No information was available from the Moline Fire Department concerning USTs at this site.

In two boreholes completed at this site for ISGS #1314 in 2002, no VOCs were detected. See ISGS #1314 for details.

Potential hazards associated with dry cleaning businesses include VOCs. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- The status of this UST depicted on Sanborn maps is unknown.

- The status and location of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Potential UST(s); potential former chemical use.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-29. Residences, 2123-2127 5th Avenue and 419 22nd Street, Moline (northwest corner of 5th Avenue and 22nd Avenue; no stationing provided; Attachment 2, page 4).** This site is occupied by four residences. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1892 through 1912 depicted the current residence at 2123 5th Avenue. Aerial photographs from 1938 and later and the 1950 through 1970 Sanborn maps depicted the current residences.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11 and July 21, 2016.

No data gaps were identified at this site.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residence were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-30 (448-9, 1314-L, 1314-M, 2708-62, 1314V2-27). Sunbelt Rentals, 2221 5th Avenue, Moline (northwest corner of 5th Avenue and 23rd Street; no stationing provided; Attachment 2, page 4).** This site is occupied by an equipment rental business. One AST was observed near the southwest corner of the north building, and one AST was observed along the northwest corner of the site. Both were 3,785-liters (1,000-gallon) in capacity and contained diesel. MW-10 through MW-14 on Attachment 17 were not present during fieldwork for this project. Three pole-mounted transformers were observed near the center of the site.

Sanborn maps from 1892 through 1912 depicted a lumber yard in the northeast corner, residences in the northwest corner, and a vacant area on the southeast corner of this site. The date of first development is unknown. Aerial photographs from 1937 depicted the north half as vacant grassy land and a different commercial building on the southern half. Aerial photographs from 1951 and later depicted the current commercial buildings. Sanborn maps from 1950 through 1970 depicted the same commercial buildings, labeled a motor freight station on the west half, an automobile sales and repair garage on the southeast portion, and a garage on the northeast corner. City directories from 1891 through 1898 listed individual names. City directories from 1905 through 1917 listed a lumber yard. In the 1915 through 1925 city directories, no listings were found. City directories from 1932 through 1985 listed an automobile sales business. City directories from 1987 through 1997 listed Aggregate Equipment and Sales. City directories from 2004 through 2014 listed Sunbelt Rentals.

Under the name "Aggregate Equip" and the address "2221 5th Ave" this site appears on the BOL list (IEPA #1610455193). Under the same IEPA number, the name "Aggregate Equipment" and the address "2221 5th Avenue", this site appears on the SRP list. Under the name "Aggregate Equipment & Supply Co." and the address "2221 5th Avenue" this site is listed on the UST list (OSFM #3012414) with two registered USTs. According to OSFM files, a gasoline UST and a diesel UST were removed from this site in 1988 (see below for a discussion of these USTs).

According to IEPA files, in 2002, a site investigation in order to determine potential environmental impacts to the property was conducted by the site consultants, Huff & Huff, Inc. (H&H). This investigation determined that one gasoline UST and one diesel UST had been removed between 1985 and 1986 from the west end of the north building, approximately 6 m (20 ft) southeast of 4th Avenue and 39 m (130 ft) northwest of 5th Avenue. In September 2003, H&H completed nine soil borings in the area of the former USTs. Soil samples were analyzed for BTEX and PAHs. Only BTEX was detected above TACO Tier 1 industrial/commercial SROs. In June 2005, additional soil borings were advanced, four of which were converted to monitoring wells (MW-10 through MW-14 on Attachment 17). These monitoring wells were not present during the fieldwork for this project. Depth to groundwater ranged from 8 and 10 m (26 and 33 ft), and groundwater flow direction was determined to be to the west. Soil and groundwater samples analyzed for BTEX and PAHs exceeded TACO Tier 1 industrial/commercial SROs and Class I GROs. H&H calculated site-specific Tier 2 remediation objectives and performed Tier 2 modeling that predicted that impacted groundwater exceeding Tier 2 objectives would be present onsite and extend north under the railroad and to the property to the north. See Attachment 17 for the modeled extent of impacted groundwater. H&H proposed to manage residual impact through the use of AULs. Based on this information, on December 20, 2006, IEPA issued a focused NFR letter with the following AULs: industrial/commercial land use restriction, an engineered barrier in the form of a concrete cap, a groundwater use restriction, notification of potentially affected property owners, and worker safety plan (Attachment 18). A June 2006 letter to IEPA by Huff & Huff, Inc. listed the City of Moline, IDOT, the Iowa Interstate Railroad, LTD., and the Burlington Northern Santa Fe Corporation (Site 1314V3-21) as property owners which would be notified of potential impact via migration.

In July 2012, a NFR inspection evaluation was conducted by the IEPA. No violations were noted during the inspection. No further information was present in IEPA files regarding IEPA #1610455193.

In a borehole completed at this site for ISGS #448 in 1993, no VOCs were detected. See ISGS #448 for details.



Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s). Potential hazards associated with foundries include VOCs and metals.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11 and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings.

The following RECs were identified at this site: Former USTs; potential UST(s); AST; former monitoring wells; potential former chemical use; impacted soil and groundwater.

The following de minimis conditions were identified at this site: Transformers; potential ACM and lead paint.

**Site 1314V3-31 (1314-17, 1314V2-28). Quick Stop, 1830 5th Avenue, Moline (southwest corner of 5th Avenue and 19th Street; no stationing provided; Attachment 2, page 5).** This site is occupied by a gasoline station. The main building was located on the west side of the site. Two USTs were observed in a single pit, located 21 m (69 ft) south of 5th Avenue and 43 m (141 ft) west of 19th Street. Two vent pipes were observed near the north side of the station building. Two dispensers were observed on the east side of the site. The monitoring wells labeled MW3, MW4, MW5, MW8, MW10, MW11, and MW12 on Attachment 19 and MW-1, MW-2, and MW-3 on Attachment 21 were observed during fieldwork for this project. An additional monitoring well not found on maps in IEPA files was located within the ROW of 19th Street, approximately 60 m (200 ft) south of 5th Avenue. Monitoring wells labeled MW1, MW2, MW5A, MW6, MW7, MW9, MW13, and MW18 on Attachment 19 and MW-4 and MW-5 on Attachment 21 were not present during fieldwork for this project. A natural gas pipeline marker and protruding pipe was observed along the west side of this site. Additional pipeline markers were observed north of this site indicating a pipeline crosses this site in a north-south direction.

During fieldwork for 1314V2 in 2013, three 208-liter (55-gallon) drums of unknown contents were observed on the northwest corner of the building. No drums were observed during fieldwork for this project.

Sanborn maps from 1886 through 1912 depicted residential buildings at this site. The date of first

development is unknown. Aerial photographs from 1938 and later depicted the current commercial building. Sanborn maps from 1950 through 1957 depicted the same commercial building, labeled a gasoline station with three USTs shown north of the station building, approximately 30 m (100 ft) west of 19th Street and 15 m (50 ft) south of 5th Avenue. The status of these USTs are unknown. Sanborn maps from 1963 through 1970 depicted the same gasoline station but with no USTs shown. City directories from 1932 through 2014 listed a gasoline station.

Under the name "Amad Food & Gas" and the address "1830 5th Ave", this site appears on the BOL list (IEPA #1610455194). Under the name "Aman Food & Gas" and the address "1830 5th Avenue" this site appears on the LUST list twice (IEMA #20030936 and #20140247). Under the name "Aman Food & Gas" and the address "1830 5th Avenue", this site appears on the UST list (OSFM #3008580) with five registered USTs. According to OSFM files, a 15,140-liter (4,000-gallon) gasoline UST and a 22,710-liter (6,000-gallon) gasoline UST are currently in use and located on the north side of the building (see above for the locations of these USTs). Three gasoline USTs were removed in 2014 (see below for a discussion of these USTs).

According to IEPA files, in June 2003, the site consultants Landtech, Inc. completed during a limited subsurface investigation to evaluate potentially impacted groundwater. Evidence of a release was detected, and IEMA #20030936 was issued. Five monitoring wells (MW-1 through MW-5 on Attachment 19) were installed in June 2003. MW-3, MW-4, MW-5 were observed during the fieldwork for this project; MW-1 and MW-2 were not present. Soil samples were not collected during this investigation. Groundwater samples analyzed for BTEX and MTBE exceeded the TACO Tier 1 Class I GROs. Depth to groundwater ranged from 3 to 4.3 m (10 to 14 ft), and groundwater flow direction was toward the north.

In 2004 and 2005, additional soil and groundwater samples were collected from monitoring wells installed on and offsite. MW6 through MW12 were installed onsite, MW14, MW15, and MW16 were completed offsite on Site 1314V3-23, MW17 was completed offsite at Site 1314V3-24, and MW13 and MW-18 were completed on Site 1314V3-E. Monitoring wells MW8, MW10, MW11, and MW12 were observed during fieldwork for this project; MW5A, MW6, MW7, MW9, MW13, and MW18 were not present. Metals were detected above TACO Tier 1 residential SROs in on-site soil samples. BTEX and MTBE were detected above TACO Tier 1 Class I GROs in on-site samples, and BTEX was detected above TACO Tier 1 Class I GROs in samples collected from Site 1314V3-23. See Attachment 19 for the estimated extent of impacted groundwater Landtech proposed to manage residual impact through the use of AULs. Based on this information, on February 23, 2006, IEPA issued an NFR letter for IEMA #20030936 with the following AULs: groundwater use restriction, and notification of nearby property owners (Attachment 20). Letters notifying nearby property owners of the potentially impacted groundwater were found in IEPA files. These letters were sent to Moline Dispatch Publishing Co. (1720 5th Avenue) (Site 1314V3-E), LeClaire Apartments (Site 1314V3-23), and to the City of Moline. No further information was available in IEPA files regarding IEMA #20030936.

According to IEPA files, in May 2014, evidence of a release was detected during the removal of three USTs, and IEMA #20140247 was issued. Under the direction of the site consultants CW3M Company, the impacted soil was removed. Groundwater was encountered during excavation activities. In May 2014, five monitoring wells (MW-1 through MW-5 on Attachment 21) were installed to determine the extent impacted groundwater at the site. Monitoring well MW-1, MW-2, and MW-3 were observed during fieldwork for this project; MW-4 and MW-5 were not present. Groundwater samples analyzed for BTEX exceeded Tier 1 Class I GROs. Groundwater flow

direction was found to be to the northeast. The depth to groundwater depth not specified. Soil samples collected during the installation of the monitoring wells were analyzed for BTEX. BTEX was detected below TACO Tier 1 SROs. No further information was available in IEPA files regarding IEMA #20140247 and IEPA #1610455194.

Information in IEPA files for Site 1314V3-24 (IEPA #1610455138) pertained to this site. On September 12, 2003, a municipal HAA was executed with the City of Moline for the 5th Avenue ROW adjoining this site, in response to LUST events at 1314V3-24. See Attachment 16, page 10 for the area covered by the HAA. See Site 1314V3-24 for further details.

In one of two boreholes completed at this site for ISGS #1314 in 2002, VOCs were detected. See ISGS #1314 for details.

Historic gas stations commonly conducted auto repairs on the premises. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, drums, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The contents of the former drums observed are unknown.
- The date of first development is unknown.
- The status of the USTs depicted on Sanborn maps is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: USTs with documented releases; potential UST(s); monitoring wells; former monitoring wells; former drums; impacted soil and groundwater; HAA; VOCs detected in previous ISGS testing.

The following de minimis conditions were identified at this site: Natural gas pipeline; potential ACM and lead paint.

**Site 1314V3-32 (1314-19, 1314V2-29). Commercial buildings, 1900 5th Avenue, Moline (southeast corner of 5th Avenue and 19th Street, no stationing provided, Attachment 2, page**

5). This site is occupied by a vacant commercial building on its north side, a parking lot at its southwest corner, and another commercial building at the southwest corner. An AST vent and fill pipe with staining on the surrounding pavement was observed exiting the southeast corner of the north building. A pole-mounted transformer was also observed on the southeast corner of the north building.

During interviews for ISGS #1314 in 2002, a used-oil AST was documented inside the building at the corner of the current fill and vent pipe. This AST was not observed during fieldwork for this project, and its status is unknown.

Sanborn maps from 1886 depicted a different commercial building on the south side of the site and residences on the north side of this site. The date of first development is unknown. Sanborn maps from 1892 through 1912 depicted residences. Aerial photographs from 1938 through 1994 depicted the current commercial building on the north side of the site and residences on the south side. Sanborn maps from 1950 through 1970 depicted the same commercial building, labeled a gasoline station and automobile greasing station, on the north side of the site and residences on the south side. Two USTs were depicted on the 1950 through 1957 Sanborn maps, located approximately 12 m (40 ft) south of 5th Avenue and 12 m (40 ft) east of 19th Street. The status of these USTs are unknown. Aerial photographs from 1998 and later depicted the current commercial buildings. City directories from 1891 through 1925 listed individual names. City directories from 1932 through 2004 listed various gasoline stations and automobile service businesses. During fieldwork for ISGS #1314V2 in 2013, this site was occupied by an auto service business.

Under the name "Firestone Garage" and the address "1900 S 5th Ave", this site appears on the UST list (OSFM #3029118) with two registered USTs. According to OSFM files, two kerosene USTs were removed in March 1991. UST removal documents indicated that no evidence of a release was observed in the UST pit. No location information was found in OSFM files; however, Mike, former owner of Mike's Automotive and Towing, during an interview in 2002, stated that the USTs were formerly located along the north side of the building. The center of the area Mike indicated was located approximately 29 m (95 ft) east of 19th Street and 11 m (36 ft) south of 5th Avenue. No further information was present in OSFM files regarding OSFM #3029118.

Under the name "Precision Auto Care" and the address "1900 5th Ave", this site appears on the active RCRA (USEPA #L0000378752) and BOL lists (IEPA #1610455072). According to IEPA files, in 1994, Precision Auto Care registered with USEPA and IEPA to generate between 100 and 1,000 kg/month (220 and 2,200 lbs/month) of ignitable wastes. An IEPA compliance inspection was conducted on June 26, 1997. The inspection indicated that waste materials generated by this facility were used oil, used anti-freeze, and hazardous material related to waste paint. Minor violations were corrected at the time of the inspection. An RCRA inspection was conducted by IEPA in August 2012. Violations noted during the inspection concerned failure to send waste storage notifications to the IEPA, failure to label a waste-oil AST, and failure to post notices regarding waste tire handling. This AST was not observed during fieldwork for this project, and its status is unknown. In September 2012, the violations had been corrected. No further information was present in IEPA files regarding IEPA #1610455072.

Information in IEPA files for Site 1314V3-24 (IEPA #1610455138) pertained to this site. On September 12, 2003, a municipal HAA was executed with the City of Moline for the 5th Avenue ROW adjoining this site, in response to LUST events at 1314V3-24. See Attachment 16, page 10 for the area covered by the HAA. See Site 1314V3-24 for further details.

No information was available from the Moline Fire Department concerning USTs at this site.

In three boreholes completed at this site for PESA #1314 in 2002, no VOCs were detected. See PESA #1314 for details.

Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development of the site is unknown.
- The status of the UST depicted on Sanborn maps is unknown.
- The AST mentioned in IEPA files was not observed, and its status is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings.

The following RECs were identified at this site: Former USTs; potential UST(s); potential AST(s); evidence of former chemical use; protruding pipes; HAA.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-33 (1314-21, 1314V-17, 1314V2-30, 1314V2-31). Parking lot, 1900 block of 5th Avenue, Moline (south side of 5th Avenue between 19th Street and 21st Street; no stationing provided; Attachment 2, page 5).** This site is occupied by a parking lot. Three pole-mounted transformers were observed along the south side of this site.

Sanborn maps from 1886 through 1912 depicted residential buildings, with a print shop depicted near the center of this site in 1898. The date of first development is unknown. Aerial photographs from 1938 depicted residences on the west side of the site and a commercial building on the east side of the site. Aerial photographs from 1958 through 1970 depicted two commercial buildings on the west side of the site and a gasoline station on the northeast corner. Sanborn maps from 1950 through 1970 depicted the same commercial buildings, labeled as containing a store and a gasoline

station and auto service business. Three USTs were depicted on 1950 through 1970 Sanborn maps, located approximately 99 meters (325 feet) east of 19th Street and 12 meters (40 feet) south of 5th Avenue. The status of these USTs are unknown. Aerial photographs from 1988 through 2014 depicted a commercial building and a vacant gravel lot. City directories from 1891 through 1939 listed individual names within the historical address range of this site. City directories from 1945 through 1965 listed residences and an automobile parts business within the historical address range of this site. City directories from 1953 through 1965 listed a grocery store. In the 1971 through 1977 city directories, no listings were found. In the 1982 through 1997 city directories, Berry Bearing (a ball bearing distributor) was listed. In the 2004 through 2014 city directories, no listings were found. During fieldwork for ISGS #1314V2 in 2013, this site was occupied by a vacant building and a vacant gravel-covered lot. Aerial photographs from 2015 depicted the current parking lot.

Under the names “Berry Bearing Building”, and the address “1908-1920 5th Avenue”, this appears on the USEPA Brownfields list associated with the City of Moline (Property ID 11328). According to Brownfields records, in 2010, a Phase II assessment was completed at this site detected VOCs, SVOCs, and PAHs in the soil and groundwater. No further information regarding this site was present in Brownfields records.

Under the names “O’Rourke Building” and the address “1909 5th Avenue”, this appears on the USEPA Brownfields list associated with the City of Moline (Property ID 59361). According to Brownfields records, in 2007-2008, Phase I and Phase II assessments detected VOCs and SVOCs in the groundwater. No further information regarding this site was present in Brownfields records.

Under the names “Villareal Building”, and the address “1919 5th Avenue”, this appears on the USEPA Brownfields list associated with the City of Moline (Property ID 59381). According to Brownfields records, in 2007-2009, Phase I and Phase II assessments detected “other contaminants” in the groundwater. No further information regarding this site was present in Brownfields records.

Under the name “Skills, Inc.” and the address “1946 5th Avenue”, this site appears on the LUST (IEMA #20100458) and BOL lists (IEPA #1610455289). According to IEPA files, the LUST incident actually occurred at 1146 5th Avenue, which is located approximately 1 kilometer (0.6 miles) west of the project area. The IEPA information for this listing is therefore not included for this report.

Information in IEPA files for Site 1314V3-24 (IEPA #1610455138) pertained to this site. On September 12, 2003, a municipal HAA was executed with the City of Moline for the 5th Avenue ROW adjoining this site, in response to LUST events at 1314V3-24. See Attachment 16, page 10 for the area covered by the HAA. See Site 1314V3-24 for further details.

The following information has been modified from ISGS #1314:

A magnetometer survey was conducted in July 2002. Three magnetic anomalies were detected. The first anomaly centered on a point approximately 40 m (131 ft) west of I-74 and 26 m (85 ft) south of 5th Avenue. The second anomaly centered on a point approximately 25 m (82 ft) west of I-74 and 11 m (36 ft) south of 5th Avenue. The third anomaly, the largest of the three, was centered on a point approximately 16.5 m (54 ft) west of I-74 and 14.5 m (48 ft) south of 5th Avenue.

It is unknown if the detected anomaly is associated with an UST, and its status is unknown.

No information was available from the Moline Fire Department concerning USTs at this site.

In one of four boreholes completed at this site for ISGS #1314 in 2002, VOCs were detected. See ISGS #1314 for details.

Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s). Potential hazards associated with print shops include VOCs and metals.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development of the site is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.
- It is unknown if the detected anomaly is associated with an UST, and its status is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Potential UST(s); potential former chemical use; presence on LUST and BOL lists (however see above); impacted soil and groundwater; HAA; VOCs detected in previous ISGS testing.

The following de minimis condition was identified at this site: Transformers.

**Site 1314V3-34 (1314V-19, 1314V2-32, 1314V2-33 [partial]). Vacant lot, 2000 block of 5th Avenue, Moline (south side of 5th Avenue between 19th Street and 21st Street; no stationing provided; Attachment 2, page 5).** This site is occupied by a vacant grassy lot. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1886 through 1912 depicted residences at this site. The date of first development of the site is unknown. Sanborn maps from 1912 through 1970 and aerial photographs from 1938 through 2014 depicted residences and two commercial buildings at this site. City directories from 1891 through 1925 listed individual names. City directories from 1932 through 1997 listed individual names and various commercial businesses. No potential hazards were identified in association with any of these occupants. In 1997 through 2014 city directories, no listings were found. During fieldwork for ISGS #1314V2 in 2013, this site was occupied by vacant grassy lots and two vacant buildings.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development of the site is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-35 (1314V-20, 1314V2-33 [partial], 1314V3-34 [partial]). Residences, 2028 5th Avenue and 521 22nd Street, Moline (southwest corner of 5th Avenue and 21st Street; no stationing provided; Attachment 2, page 5).** This site is occupied by two single-family residences and a detached garage. Two pole-mounted transformers were observed, one near the northeast corner and one along the west side of this site. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1886 through 1970 and aerial photographs from 1938 and later depicted the current residences and garage at this site. The date of first development of the site is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development of the site is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformers; potential ACM and lead paint.

**Site 1314V3-36 (1314-27, 1314V-21, 1314V2-35). Brannens Auto Works, 2100 5th Avenue, Moline (southeast corner of 5th Avenue and 21st Street; no stationing provided; Attachment**



**2, page 5).** This site is occupied by an automobile repair shop. A fenced gravel storage lot and garage building was observed along the east side. A empty 378-liter (100-gallon) AST was observed near the southwest corner of the main building. Five 208-liter (55-gallon) drums with unknown contents were observed along the east side of the main building. A pump island scar was observed near the northwest corner of the site. According to the owner, Mr. Richard Brannen, this site was a gasoline station during the 1950s and 1960s. He stated that an UST was removed west of the main building in the 1970s. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1892 through 1967 depicted residences on the east side of this site and aerial photographs from 1938 depicted the same residences at this site. The date of first development of the site is unknown. Aerial photographs from 1958 depicted the current commercial building on the west side and residences on the east side of the site. Sanborn maps from 1950 through 1967 depicted the same commercial building, labeled a gasoline station on the northwest corner. Three gasoline USTs were depicted on Sanborn maps approximately 15 m (50 ft) south of 5th Avenue and 9 m (30 ft) east of 21st Street. The status of these USTs are unknown. Aerial photographs from 1964 through 2005 depicted the current commercial building on the west side, a smaller commercial building and storage lot on the east side. Sanborn maps from 1970 depicted the current commercial building, labeled storage on the northwest corner, and an automobile sales lot on the east side of the site. Aerial photographs from 2006 and later depicted the current commercial building and gravel lot. City directories from 1891 through 1932 listed individual names. City directories from 1939 through 1958 listed a gasoline station and individual names. City directories from 1965 listed a used car business, photography shop, and a storage lot. City directories from 1977 through 2014 listed an automobile repair shop.

The following information has been modified from ISGS #1314:

A magnetometer survey was conducted in July 2002, of the ROW along 5th Avenue and 21st Street. One magnetic anomaly, with dimensions of approximately 0.5 m (1.6 ft) in both directions, was detected. The anomaly was centered on a point approximately 4.8 m (16 ft) east of 21st Street and 32 m (105 ft) south of 5th Avenue.

It is unknown if the detected anomaly is associated with an UST, and its status is unknown.

No information was available from the Moline Fire Department concerning USTs at this site.

In three boreholes completed at this site for ISGS #1314 in 2002, VOCs were detected. See ISGS #1314 for details.

Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, pumps or dispensers, protruding pipes, pipelines, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development of the site is unknown.
- The contents of the drums are unknown.
- It is unknown if the detected anomaly is associated with an UST, and its status is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings.

The following RECs were identified at this site: Former UST; potential UST(s); AST; drums; potential chemical use; VOCs detected in previous ISGS testing.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-37. Bookkeeping Associates, 2130 5th Avenue, Moline (southwest corner of 5th Avenue and 22nd Street; no stationing provided; Attachment 2, page 5).** This site is occupied by an accountant office. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1892 through 1898 depicted a residence at this site. The date of first development of the site is unknown. Sanborn maps from 1906 depicted a grocery and a residence. Sanborn maps from 1912 depicted a commercial building and a residence. Aerial photographs from 1938 through 1990 depicted the current commercial building and residences. The 1950 through 1957 Sanborn map depicted the same commercial building, labeled a restaurant, and a residence. Sanborn maps from 1967 through 1970 depicted a commercial building and a residence. Aerial photographs from 2002 and later depicted the current commercial building. City directories from 1905 through 1911 listed individual names. City directories from 1917 through 1945 listed individual names and a grocery. City directories from 1953 through 1958 listed a restaurant. City directories from 1965 through 1977 listed an eye doctor and an insurance agency. City directories from 1982 through 1992 listed an oil company office. City directories from 1997 through 1999 listed this site as vacant. City directories from 2004 and later listed the current occupant.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development of the site is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-38 (1314-W, 1314V2-36). Dispatch-Argus Newspaper, 1727 6th Avenue, Moline (northwest corner of 6th Avenue and 18th Street; no stationing provided; Attachment 2, page 5).** This site is occupied by a newspaper office. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1886 through 1912 depicted a residence. The date of first development of the site is unknown. Aerial photographs from 1938 through 1958 depicted vacant land with a vegetated appearance. Sanborn maps from 1950 through 1957 depicted a restaurant in a different commercial building. On the 1964 and later aerial photographs, the current commercial building was depicted. The 1963 through 1970 Sanborn maps depicted the same building, labeled as a bank. City directories from 1891 through 1917 listed individual names. The City directory from 1925 listed a funeral home. City directories from 1932 through 1940 listed a gasoline station. City directories from 1953 listed a restaurant. City directories from 1965 through 1987 listed a bank. City directories from 1992 and later listed a newspaper office.

No information was available from the Moline Fire Department concerning USTs at this site.

Historic gas stations commonly conducted auto repairs on the premises. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s). Potential hazards associated with funeral homes include acids, VOCs, and metals.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development of the site is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in

1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Potential UST(s); potential former chemical use.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-39 (1314-29, 1314V2-37). Fromi Tax Service, 1801 6th Avenue, Moline (northeast corner of 6th Avenue and 18th Street; no stationing provided; Attachment 2, page 5).** This site is occupied by an income tax service company. This site did not appear on any of the regulatory lists checked for this project.

On the 1886 through 1912 Sanborn maps, residences were present at this site. The date of first development is unknown. Aerial photographs from 1938 through 1964 depicted a different commercial building at this site. The 1950 through 1967 Sanborn maps depicted the same building, labeled as a gasoline station. Two USTs were depicted on the southwest corner, approximately 15 m (49 ft) north of 6th Avenue and 33 m (110 ft) east of 18th Street. The status of these USTs are unknown. Aerial photographs from 1970 and later, and Sanborn maps from 1970, depicted the current commercial building. City directories from 1891 through 1925 listed individual names. City directories from 1932 through 1965 listed a gasoline station. City directories from 1977 through 1982 listed a radio station. City directories from 1987 through 1997 listed a tax service and a printer shop. In the 2004 through 2014 city directories, no listings were found.

No information was available from the Moline Fire Department concerning USTs at this site.

In two boreholes completed at this site for ISGS #1314 in 2002, no VOCs were detected. See ISGS #1314 for details.

Historic gas stations commonly conducted auto repairs on the premises. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s). Potential hazards associated with print shops and lithography include alkalis, glues, heavy metals, inks, petroleum hydrocarbons, resins, solvents, and varnishes.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.
- The status of the USTs depicted on Sanborn maps is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Potential UST(s); potential former chemical use.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-40 (1314V2-38). Parking lot, 1800 block of 6th Avenue, Moline (north side of 6th Avenue between 18th and 19th Street; no stationing provided; Attachment 2, page 5).** This site is occupied by a parking lot. A small shed with a NFPA (National Fire Protection Association) placard was on this shed, indicating chemicals within which were flammable and which had toxic properties. This site did not appear on any of the regulatory lists checked for this project.

On the 1886 through 1957 Sanborn maps, and on the 1938 through 1964 aerial photographs, residences were present at this site. The date of first development is unknown. On the 1967 through 1970 Sanborn maps, and on the 1970 through 1988 aerial photographs, a parking lot was present at this location. On Sanborn maps from 1912 through 1970, an UST was depicted in an alleyway along the north side of this site, approximately 54 m (180 ft) east of 18th Street and 54 m (180 ft) north of 6th Avenue. The status of this UST is unknown. On the 1994 and later aerial photographs, the current shed and parking lot configuration were present. In the 1891 through 1997 city directories, no listings were found.

No information was available from the Moline Fire Department concerning USTs at this site.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- The status of the UST depicted on Sanborn maps is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Potential UST(s); evidence of chemical use.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-41 (1314-30, 1314V2-39), La Casa Mexican Grill, 525 19th Street, Moline (northwest corner of 19th Street and 6th Avenue, approximate station 5999+00 LT of 6th Avenue; Attachment 2, page 5).** This site is occupied by a restaurant. MW-1 on Attachment 22 was observed during fieldwork for this project, and MW-2, MW-3, MW-7, and MW-10 were not present.

On the 1886 through 1950 Sanborn maps, and on the 1938 aerial photograph, residences were present at this site. The date of first development is unknown. On the 1958 and later aerial photographs, and on the 1957 through 1970 Sanborn maps, the current building was present. On Sanborn maps, the building was labeled as containing a gasoline station. No USTs were depicted on Sanborn maps. City directories from 1891 through 1953 listed individual names. City directories from 1958 through 1992 listed various gasoline stations. In the 1997 city directory, a vacancy was listed. In the 2004 city directory, an auto repair business was listed. No listings for this site was found in the 2011 city directory. In the 2014 city directory, the current occupant was listed. During the fieldwork for ISGS #1314V2 in 2013, the current restaurant was present.

Under the name "Koelz DX Co" and the address "525 19th St", this site appears on the active RCRA list (USEPA #ILD984831511). Under the name "Koelz DX Co" and the address "525 19th St", this site appears on the BOL list (IEPA #1610455082). Under the name "Koelz DX Co." and the address "525 19th St.", this site appears on the LUST list (IEMA #991665). Under the name "Koelz DX Co." and the address "525 19th St.", this site appears on the UST list (OSFM #3015719) with four registered USTs. According to OSFM records, one diesel UST and three gasoline USTs are listed as having been removed in July 1991 (see IEMA #991665, below, for the locations of these USTs).

According to IEPA information, In July 1999, evidence of a release was detected during the removed of a gasoline UST, and IEMA #991665 was issued. The USTs were located in two separate pits along the north and south side of the current building (see Attachment 22 for the locations of these USTs). During the removal of the gasoline UST along the building's north wall, the UST was found to contain used oil. Soil samples collected by the site consultants Tech Services Company Inc. (TSC) from the bottom of each UST pit were analyzed for BTEX. BTEX was detected above IEPA objectives in effect at that time. In July 2000, TSC completed soils borings and installed four monitoring wells (MW-1 through MW-3 and MW-10 on Attachment 22) to determine the extent of the detected impact. MW-1 on Attachment 22 was observed during fieldwork for this project, and MW-2, MW-3, and MW-10 were not present. Soil and groundwater samples were analyzed for BTEX and PNAs. Groundwater was encountered at depths ranging from 2.9 to 3.2 m (9.6 to 10.4 ft), and groundwater flow direction was toward the north. BTEX and PNAs were detected below TACO Tier 1 residential SROs and Class I GROs.

In October 2001, two additional boreholes completed and one monitoring well (MW-7 on Attachment 22) were installed during additional site classification conducted by Blackhawk Consulting Services. MW-7 was not present during the fieldwork for this project. The depth to groundwater in this well was approximately 3 m (10 ft). Fill consisting of sand, silty clay, debris, wood, and brick was encountered in one of the two borings. All soil samples and a groundwater sample taken from MW-7 was analyzed for BTEX. BTEX was detected below TACO Tier 1 residential SROs. Benzene was detected above TACO Tier 1 Class I GROs. Blackhawk determined that the impacted groundwater was unlikely migrate offsite. IEPA concurred, and based on this information, on February 7, 2002, IEPA issued a NFR letter for IEMA #991665 with no AULs

(Attachment 23). No further information was available in IEPA files regarding IEMA #991665.

According to IEPA files, in 1991, Koelz DX registered with USEPA to generate less than 100 kg/mo (220 lb/mo) of ignitable wastes. No further information was available in IEPA files regarding IEPA #1610455082.

No information was available from the Moline Fire Department concerning USTs at this site.

In three boreholes completed at this site for ISGS #1314 in 2002, no VOCs were detected. See ISGS #1314 for details.

Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Former USTs with a documented release; potential UST(s); monitoring well; former monitoring wells; fill; evidence of former chemical use; impacted groundwater.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-42 (1314V2-40). Vacant lot, 1900 block of 6th Avenue, Moline (north side of 6th Avenue between 19th Street and I-74; approximate station 6001+50 LT of 6th Avenue; Attachment 2, page 5).** This site is occupied by a gravel vacant lot. This site did not appear on any of the regulatory lists checked for this project.

On the 1986 through 1970 Sanborn maps, and on the 1939 through 1970 aerial photographs, a residence was present at this site. The date of first development is unknown. On the 1980 and later aerial photos, the site was vacant and appeared to be covered with gravel. City directories from 1891 through 1977 listed individual names. In the 1982 through 2014 city directories, no listings

were found.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-43 (1314V-20, 1314V2-41). Residences, 1921-1925 6th Avenue, Moline (northwest corner of 6th Avenue and I-74; approximate station 6002+50 LT of 6th Avenue; Attachment 2, page 5).** This site is occupied by two single-family residences. Two pole-mounted transformers were observed near the northwest corner of this site. This site did not appear on any of the regulatory lists checked for this project.

On the 1886 through 1898 Sanborn maps, two different residences were present. The date of first development is unknown. On the 1912 through 1970 Sanborn maps, and on the 1938 and later aerial photographs, the current residences were present. City directories from 1891 through 2014 listed individual names or various commercial businesses including a tea shop and an antique shop. No potential hazards were identified in association with any of these occupants.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformers; potential ACM and



lead paint.

**Site 1314V3-44 (1314V-20, 1314V2-34 [partial]). Vacant lot, 2000 block of 6th Avenue, Moline (northwest corner of 6th Avenue and 21st Street; approximate station 6004+00 LT of 6th Avenue; Attachment 2, page 5).** This site is occupied by a vacant grassy lot. This site did not appear on any of the regulatory lists checked for this project.

On the 1886 through 1970 Sanborn maps, and on the 1938 and through 2015 aerial photographs, a residence was present at this location. The date of first development is unknown. City directories from 1891 through 2014 listed individual names, and fraternal lodge at 2001 6th Avenue in 1932, which would be an alternative address for this site.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-45 (1314V-22, 1314V2-43). Residences, 514-520 21st Street and 2111 6th Avenue, Moline (northeast corner of 6th Avenue and 21st Street; approximate station 6009+50 LT of 6th Avenue; Attachment 2, page 5).** This site is occupied by four single-family residences. A pole-mounted transformer was observed south of the residence at 514 21st Street. This site did not appear on any of the regulatory lists checked for this project.

On the 1892 and 1898 Sanborn maps, several residences, all different than the current ones, were present at this site. The date of first development is unknown. On the 1912 through 1970 Sanborn maps, and on the 1939 and later aerial photographs, the current residences were present.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11 and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor

tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-46 (1314V-22, 1314V2-44). Vacant lot, 2000 block of 6th Avenue, Moline (north side of 6th Avenue between 21st Street and 22nd Street; no stationing provided; Attachment 2, page 5).** This site is occupied by a vacant grassy lot. The address is taken from fieldwork performed by ISGS in 2010 when the site was a residence. This site did not appear on any of the regulatory lists checked for this project.

On the 1892 Sanborn map, a residence was present at this site. The date of first development is unknown. On the 1960 Sanborn map, the same building was present, but labeled as containing a carpentry shop. On the 1912 through 1970 Sanborn maps, and on the 1938 through 1994 aerial photographs, a different residence was present. On the 2000 and later aerial photographs, the site was vacant with a grassy appearance. In the 1891 through 1997 city directories, individual names were listed. No listing for this address were found in the 2004 and later city directories.

Potential hazards associated with carpentry shops and the wood working industry include VOCs and metals.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following REC was identified at this site: Potential former chemical use.

No de minimis conditions were identified at this site.

**Site 1314V3-47 (1314V-22, 1314V2-45, 1314V2-46 [partial]). Residences, 2117-2129 6th Avenue, Moline (northeast corner of 6th Avenue and 21st Street; no stationing provided; Attachment 2, page 5).** This site is occupied by four single-family residences. This site did not appear on any of the regulatory lists checked for this project.

On the 1892 and 1898 Sanborn maps, several residences, all different than the current ones, were present at this site. The date of first development is unknown. On the 1912 through 1970 Sanborn maps, and on the 1939 and later aerial photographs, the current residences were present.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-48 (1314V2-46 [partial]). Residences, 2203-2223 6th Avenue, Moline (northeast corner of 6th Avenue and 21st Street; no stationing provided; Attachment 2, page 5).** This site is occupied by four single-family residences. This site did not appear on any of the regulatory lists checked for this project.

On the 1891 through 1912 Sanborn maps, several residences, all different than the current ones, were present at this site. The date of first development is unknown. On the 1939 and later aerial photographs, and on the 1950 through 1970 Sanborn maps, the current residences were present.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-49 (1314-33, 1314V2-47). Storage area, 2231 6th Avenue, Moline (northwest corner of 6th Avenue and 23rd Street; no stationing provided; Attachment 2, page 5).** This site is occupied by a fenced-in storage area which contained fire suppression equipment. A trailer, fire extinguishers, and empty buckets were observed throughout the site. Two 114-liter (30-gallon) ASTs with unknown contents were observed near the southeast corner of the site. Four 208-liter (55-gallon) drums with unknown contents were observed along the west side of the site. Due to the presence of a fence and numerous visual obstructions, a complete investigation of this site could not be conducted. This site did not appear on any of the regulatory lists checked for this project.

On the 1892 through 1912 Sanborn maps, several residences were depicted at this site. The date of first development is unknown. On the 1938 through 1958 aerial photographs, the site was vacant with a wooded appearance. On the 1950 through 1967 Sanborn maps, and on the 1964 aerial photo, a gasoline station was present. On Sanborn maps, two USTs were depicted approximately 15 m (50 ft) north of 6th Avenue and 27 m (90 ft) west of 23rd Street. The status of these USTs are unknown. On the 1970 aerial photograph, a paved parking lot with vehicles was present. On the 1970 Sanborn map, the site was vacant. On the 1988 and later aerial photographs, a vacant gravel lot used for trailer storage was present. City directories from 1911 through 1925 listed individual names or did not have any listings. City directories from 1932 through 1960 listed a gasoline station. In the 1965 through 2014 city directories, no listings were found.

No information was available from the Moline Fire Department concerning USTs at this site.

In two boreholes completed at this site for ISGS #1314 in 2002, no VOCs were detected. See ISGS #1314 for details.

Historic gas stations commonly conducted auto repairs on the premises. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- Due to the presence of a fence and numerous visual obstructions, a complete investigation of this site could not be conducted.
- The contents of the ASTs and drums are unknown.
- The date of first development is unknown.

- The status of these USTs are unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Potential UST(s); ASTs; drums; potential former chemical use.

No de minimis conditions were identified at this site.

**Site 1314V3-50 (1314V2-48). Residence, 2301 6th Avenue, Moline (northeast corner of 6th Avenue and 23rd Street; no stationing provided; Attachment 2, page 5).** This site is occupied by a single-family residence. This site did not appear on any of the regulatory lists checked for this project.

On the 1891 through 1912 Sanborn maps, a different residence was present at this site. The date of first development is unknown. On the 1938 and later aerial photographs, and on the 1950 through 1970 Sanborn maps, the current residence was present.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that this residence was constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in this building.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-51 (1314-Y, 1314V2-49). Illinois Bell, 1720 6th Avenue, Moline (southwest corner of 6th Avenue and 18th Street; no stationing provided; Attachment 2, page 6).** This site is occupied by a telephone company. A monitoring well was observed in the area labeled MW-3 on Attachment 24; monitoring wells labeled MW-1, MW-2, MW-4, and MW-5 were present during fieldwork for this project. Three vent pipes were observed on the southeast corner of the building. A fill pipe and a vent pipe protruding from the building were also observed near the southwest corner of the building; however, it could not be verified if an UST was present at this location.

On the 1892 through 1950 Sanborn maps, several residences were depicted at this site. The date of first development is unknown. On the 1938 aerial photograph, site was vacant and wooded. On the 1951 and later aerial photographs, and on the 1957 through 1970 Sanborn maps, the current building was present. On Sanborn maps, the building was labeled as containing a telephone company. City directories from 1891 through 1932 listed individual names within the historical address range of this site. In the 1939 city directory, a gasoline station was listed at 1722 6th Avenue, which would be an alternative address for this site. In the 1945 city directory, a vacancy was listed. In the 1953 through 2014 city directories, a telephone company was listed.

Under the name "SBC Q78260" and the address "1720 6th Ave", this site appears on the inactive RCRA list (USEPA #ILD980615306) and BOL list (IEPA #1610455055). Under the name "Illinois Bell Telephone" and the address "1726 6th Ave", this site appears on the LUST (IEMA #902955) list. Under the name "Il Bell Telephone Co" and the address "1720 6th Ave", this site appears on the UST list (OSFM #3007891) with one registered UST. According to OSFM records, one diesel UST is listed as having been removed in 1990 (see IEMA #902955, below, for the location of this UST).

According to IEPA files, in October 1990, evidence of a release was observed during the removal of a diesel UST, and IEMA #902955 was issued. The UST was located near the southeast corner of the building (see Attachment 51 for UST location). Groundwater was encountered in the excavation at 2.4 m (8 ft). Soil samples collected for the excavation were analysed for BTEX. No BTEX was detected above IEPA cleanup objectives in effect at that time. Five monitoring wells (MW-1 through MW-5 on Attachment 24) were installed to determine the presence of impacted groundwater. A monitoring well was observed in the area of MW-3; monitoring wells labeled MW-1, MW-2, MW-4, and MW-5 were present during fieldwork for this project. Groundwater was encountered at a depth of 3.4-3.7 m (11-12 ft), and groundwater flow was determined to be toward the southwest. Groundwater samples were analyzed for BTEX and PAHs. BTEX and PAHS were detected below IEPA cleanup objectives in effect at that time. Based on this information, on March 4, 1992, IEPA issued a NFR letter, with no AULs (Attachment 25). No further information was present in IEPA files regarding IEMA #902955.

According to IEPA files, in 2003 and 2004, SBC registered with USEPA and IEPA as a generator of unspecified amounts of waste oil and antifreeze. No further information was present in IEPA files regarding IEPA #1610455055

Historic gas stations commonly conducted auto repairs on the premises. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, pipelines, drums, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.

- The presence of an UST is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Former UST with a documented release; potential UST(s); monitoring well; former monitoring wells; evidence of chemical use.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-52 (1314V2-50). Amerifile Taxes, 621 18th Street, Moline (northwest corner of 18th Street and 7th Avenue; approximate 7th Avenue station 7002+50 LT; Attachment 2, page 6).** This site is occupied by a tax preparation business. This site did not appear on any of the regulatory lists checked for this project.

On the 1889 through 1957 Sanborn maps, several residences were present at this site. The date of first development is unknown. On the 1938 through 1951 aerial photographs, the site was vacant wooded land. On the 1964 and later aerial photographs, the current commercial building was present. Sanborn maps from 1967 through 1970 depicted a residence on the south side and labeled the current commercial building as an unspecified storefront. City directories from 1891 through 1958 listed individual names or did not have any listings. City directories listed a gas and electric company from 1965 through 1987 and a retail store from 1988 through 1993. In the 1997 through 2015 city directories a tax service company was listed.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-53 (1314V2-51). Bethany for Children and Families, 1830 6th Avenue, Moline (southeast corner of 6th Avenue and 18th Street; no stationing provided; Attachment 2, page 6).** This site is occupied by a child welfare facility. A pole-mounted transformer was observed near the southwest corner of the site and a pad-mounted transformer was observed along the west side of the building. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1892 depicted this site as vacant. Sanborn maps from 1898 through 1957 depicted residences. Aerial photographs from 1938 through 1951 depicted vacant wooded land. Aerial photographs from 1958 through 1964 depicted residences and the current commercial building. On the 1967 through 1970 Sanborn maps, the commercial building is labeled as offices. Aerial photographs from 1970 and later depicted only the current commercial building. City directories from 1891 through 1953 listed individual names. City directories from 1958 through 1965 listed a computer business, an advertising agency, and an engineering business. In the 1971 through 2015 city directories a healthcare service was listed.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

No data gaps were identified at this site.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformers; potential ACM and lead paint.

**Site 1314V3-54 (1314V2-52). Moline Activity Center, 620 18th Street, Moline (northeast corner of 7th Avenue and 18th Street; approximate station 7005+00 LT of 7th Avenue; Attachment 2, page 6).** This site is occupied by a senior center. This site did not appear on any of the regulatory lists checked for this project.

On the 1892 through 1970 Sanborn maps, and on the 1938 through 1970 aerial photographs, several residences were present at this site. The date of first development is unknown. On the 1980 and later aerial photographs, the current commercial building was present. City directories from 1891 through 1971 listed individual names. In the 1977 through 2013 city directories, a township office was listed. City directories from 2015 listed a senior center.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid



waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-55 (1314V2-53). Stephens Square, 600 block of 19th Street, Moline (northwest corner of 7th Avenue and 19th Street; approximate 7th Avenue station 7006+00 LT; Attachment 2, page 6).** This site is occupied by a city park with a monument. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1892 through 1970 depicted this site as vacant. Aerial photographs from 1938 depicted vacant wooded land. Aerial photographs from 1958 and later depicted the current city park. In the 1891 through 1945 city directories, no listings were found. City directories from 1953 through 1965 listed Stephens Square. City directories from 1977 through 1997 listed a city park. In the 1997 through 2014 city directories, no listings were found.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

No data gaps were identified at this site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-56 (1314-31, 1314V2-54). Commercial building, 604-610 19th Street, Moline (southeast corner of 19th Street and 6th Avenue; approximate 6th Avenue station 6001+00 RT; Attachment 2, page 6).** This site is occupied by office space, an insurance company, and a chiropractor (see address table for listings). This site did not appear on any of the regulatory lists checked for this project.

On the 1892 through 1912 Sanborn maps, several residences were present at this site. The date

of first development is unknown. On the 1938 through 1970 aerial photographs, and on the 1950 through 1970 Sanborn maps, a gasoline station was depicted with three USTs located approximately 18 m (60 ft) east of 19th Street and 18 m (60 ft) south of 6th Avenue. The status of these USTs are unknown. On the 1980 and later aerial photographs, the current commercial building was present. City directories from 1891 through 1932 listed individual names. City directories from 1939 through 1965 listed a gasoline station. City directories from 1977 through 2014 listed various commercial businesses. No potential hazards were identified in association with any of these occupants.

During site interviews completed for ISGS #1314 in 2002, Mr. Bloomer, the owner of a heating and air-conditioning business located in the old gasoline station part of the building, stated that he acquired the site in 1970. He stated the facility ceased operation as a gasoline station in the 1960s. He further stated that three USTs were removed in 1970. He said the USTs were located at the west edge of the northern end of the building.

In two of three boreholes completed at this site for ISGS #1314 in 2002, VOCs were detected. See ISGS #1314 for details.

Historic gas stations commonly conducted auto repairs on the premises. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Former USTs; potential UST(s); potential former chemical use; VOCs detected in previous ISGS testing.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-57 (1314V-25, 1314V2-55). Old Chamber Building, 622 19th Street, Moline (northeast corner of 19th Street and 7th Avenue; approximate station 7010+00 LT of 7th**

**Avenue; Attachment 2, page 6).** This site is occupied by law offices with a parking lot to its east. A pole-mounted transformer was observed near the northeast corner of the site, and a pad-mounted transformer was observed along the southeast corner of the building. This site did not appear on any of the regulatory lists checked for this project.

On the 1906 through 1950 Sanborn maps, and on the 1938 aerial photograph, four residences were present at this site. The date of first development is unknown. On the 1958 through 1970 aerial photographs, a different commercial building was depicted on the west side of the site and residences on the east side of the site. On the 1957 through 1970 Sanborn maps, the commercial building is labeled offices. Aerial photographs from 1980 and later depicted the current building and parking lot. City directories from 1891 through 1945 listed individual names. The 1953 through 1971 city directories listed various commercial businesses. Occupants with potential hazards included a painting business (1958). City directories from 1975 through 2004 listed the Chamber of Commerce. City directories from 2014 listed law offices.

Potential hazards associated with paint businesses include VOCs and metals.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following REC was identified at this site: Potential former chemical use.

The following de minimis conditions were identified at this site: Transformers; potential ACM and lead paint.

**Site 1314V3-58 (1314V2-56). Residence and vacant lot, 1916-1918 6th Avenue, Moline (south side of 6th Avenue between 19th Street and I-74; approximate 6th Avenue station 6002+30 RT; Attachment 2, page 6).** This site is occupied by a single-family residence and a vacant grassy lot. The address for the vacant lot was taken from the residence present during fieldwork in 2013. This site did not appear on any of the regulatory lists checked for this project.

On the 1912 through 1970 Sanborn maps, and on the 1938 and later aerial photographs, two residences, including one of the current residences, were present. The date of first development is unknown. In the 1891 through 1997 city directories, individual names were listed, with a beauty shop also listed at 1916 6th Avenue from 1958 through 1965. In the 1997 through 2014 city

directories, no listings were found. During fieldwork for ISGS #1314V2 in 2013, the vacant lot was occupied by a residence.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that this residence was constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in this building.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-59 (1314-32, 1314V-23, 1314V2-57). Residence, 1924 6th Avenue, Moline (south west corner of 6th Avenue and I-74; approximate 6th Avenue station 6002+50 RT; Attachment 2, page 6).** This site is occupied by a single-family residence. This site did not appear on any of the regulatory lists checked for this project.

On the 1912 Sanborn map, a different residence was depicted, with an UST mapped approximately 41 m (135 ft) south of 6th Avenue and 76 m (250 ft) east of 19th Street. The status of this UST is unknown. The date of first development is unknown. On the 1938 and later aerial photographs, and on the 1950 through 1970 Sanborn maps, the current residence was present.

No UST information was available from the Moline Fire Department for this site.

In two boreholes completed at this site for ISGS #1314 in 2002, no VOCs were detected. See ISGS #1314 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The status of the UST depicted on Sanborn maps is unknown.

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that this residence was constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in this building.

The following REC was identified at this site: Potential UST.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-60 (1314V-24, 1314V-26, 1314V2-58, 1314V2-59). Vacant lot, 2000 block of 6th Avenue, Moline (southwest corner of 6th Avenue and 21st Street; approximate 6th Avenue station 6006+00 RT; Attachment 2, page 6).** This site is occupied by a vacant gravel lot. Remnants of an asphalt parking lot were observed on its south side. This site did not appear on any of the regulatory lists checked for this project.

On the 1912 through 1970 Sanborn maps, residences and a funeral home were depicted. The date of first development is unknown. Aerial photographs from 1938 through 1980 depicted the same residences and a large residence at the funeral home location. Aerial photographs from 1988 through 2014 depicted a residence at the funeral home location and a single residence on the southwest corner of the site. Aerial photographs from 2015 depicted the current vacant lot. City directories from 1891 through 1917 listed individual names. City directories from 1925 listed a funeral home and residences. City directories from 1939 through 1987 listed a funeral home, a beauty shop, and residences. City directories from 1992 through 2014 listed a funeral home, a florist, and residences. During fieldwork for ISGS #1314V2 in 2013, this site was occupied by a funeral home and a florist.

Potential hazards associated with funeral homes include acids, VOCs, and metals.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following REC was identified at this site: Potential former chemical use.

No de minimis conditions were identified at this site.

**Site 1314V3-61 (1314V-22, 1314V2-43). Residences, 604 21st Street and 2112-2118 6th Avenue, Moline (northeast corner of 6th Avenue and 21st Street; approximate 6th Avenue station 6009+50 RT; Attachment 2, page 6).** This site is occupied by four single-family residences. A pole-mounted transformer was observed south of the residence at 2112 6th Avenue. This site did not appear on any of the regulatory lists checked for this project.

On the 1891 through 1970 Sanborn maps, and on the 1938 and later aerial photographs, the current residences were present. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-62 (1314V2-60). Riverside Dentistry, 2132 6th Avenue and 609 22nd Street, Moline (southwest corner of 6th Avenue and 22nd Street; no stationing provided; Attachment 2, page 6).** This site is occupied by a dentist office containing addresses on both 6th Avenue and 22nd Street. A pole-mounted transformer was observed on the southwest corner of this site. This site did not appear on any of the regulatory lists checked for this project.

On the 1912 through 1970 Sanborn maps, residences were depicted at this site. The date of first development is unknown. On the 1938 through 1958 aerial photographs, the site was vacant wooded land. On the 1964 and later aerial photographs, the current commercial building was present. City directories from 1911 through 1958 listed individual names. City directories from 1977 through 2014 listed a dentist office.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-63 (1314V2-61). First Congressional United Church of Christ, 2201 7th Avenue, Moline (northwest corner of 7th Avenue and 23rd Street; no stationing provided; Attachment 2, page 6).** This site is occupied by a church and two parking lots. A pad-mounted transformer was observed along the north side of the church building. This site did not appear on any of the regulatory lists checked for this project.

On the 1912 Sanborn map, residences were present at this site. The date of first development is unknown. On 1938 through 1970 aerial photographs, and on the 1950 through 1970 Sanborn maps, a different church building and residences were present. On the 1980 and later aerial photographs, the current church building was present, the site had its current configuration. City directories from 1911 through 1977 listed individual names. City directories from 1982 through 2014 listed a church.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-64 (1314V2-62). New Hope Church, 2305 7th Avenue, Moline (northeast corner of 7th Avenue and 23rd Street; no stationing provided; Attachment 2, page 7).** This site is occupied by a church. A pad-mounted transformer was observed along the east side of the building. This site did not appear on any of the regulatory lists checked for this project.

On the 1906 and 1912 Sanborn maps, residences were present at this site. The date of first development is unknown. On 1938 through 1970 aerial photographs, and on the 1950 through 1970 Sanborn maps, a different church building and residences were present. On the 1980 and later aerial photographs, the current church building was present. City directories from 1911 through 1945 listed individual names. City directories from 1953 through 2014 listed a church.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-65 (1314V2-63). Christ Church Anglican, 1717 8th Avenue, Moline (southwest corner of 7th Avenue and 18th Street; approximate 7th Avenue station 7002+00 RT; Attachment 2, page 7).** This site is occupied by a church. A pad-mounted transformer was observed near the northwest corner of the building. This site did not appear on any of the regulatory lists checked for this project.

On the 1898 through 1970 Sanborn maps, and on the 1938 through 1998 aerial photographs, a different church building and residences were present at this site. The date of first development is unknown. On the 204 and later aerial photographs, current church was present. City directories from 1911 through 1997 listed a church and individual names. City directories from 2001 through 2014 listed the current occupant.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this



site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-66 (1314-34, 1314-Z, 1314V-27, 1314V2-64). Scottish Rite Masonic Center, 1800 7th Avenue, Moline (southwest corner of 7th Avenue and 19th Street; approximate 7th Avenue station 7008+00 RT; Attachment 2, page 7).** This site is occupied by a cathedral and parking lot for a fraternal organization. Two pole-mounted transformers were observed along the south side of the cathedral and one pad-mounted transformer was observed along the west side of the cathedral. This site did not appear on any of the regulatory lists checked for this project.

On the 1898 and 1906 Sanborn maps, a residence was depicted along the west side of this site. The date of first development is unknown. Sanborn maps from 1912 depicted two residences with a gasoline UST depicted approximately 88 m (290 ft) west of 19th Street and 76 m (250 ft) south of 7th Avenue. The status of this UST is unknown. Aerial photographs from 1938 depicted the cathedral with a residence on the east side. On the 1951 through 1973 aerial photographs, a cathedral and a commercial building was shown. The 1950 through 1970 Sanborn maps depicted the same buildings, labeled a cathedral on the west side and an automobile sales and service business on the east side. Aerial photographs from 1980 and later depicted the current cathedral and parking lot. City directories from 1891 through 1925 listed individual names in the historic address range for this site. City directories from 1932 through 2014 listed a cathedral and masonic temple. City directories from 1953 through 1965 listed an automobile dealership in the historic address range for this site.

The following information has been modified from ISGS #1314:

A magnetometer survey was conducted in July 2002, along the ROW of 7th Avenue and 19th Street. Two magnetic anomalies were detected. One was centered on a point approximately 15 m (49 ft) west of 19th Street and 50 m (164 ft) south of 7th Avenue. The second anomaly was centered on a point approximately 23 m (75 ft) west of 19th Street and 30 m (98 ft) south of 7th Avenue.

No information was available from the Moline Fire Department concerning USTs at this site.

In one of three boreholes completed at this site for ISGS #1314 in 2002, VOCs were detected. See

ISGS #1314 for details.

Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented USTs.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.
- The status of the UST depicted on Sanborn maps is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Potential UST(s); potential chemical use; VOCs detected in previous ISGS testing.

The following de minimis conditions were identified at this site: Transformers; potential ACM and lead paint.

**Site 1314V3-67 (1314-35, 1314V-28, 1314V2-65). Vacant land, 700 block of 19th Street, Moline (southeast corner of 19th Street and 7th Avenue, approximate station 705+00 LT of 7th Avenue; Attachment 2, page 7).** This site is occupied by vacant grassy land. This site did not appear on any of the regulatory lists checked for this project.

On the 1912 Sanborn map, several residences were depicted at this site. The date of first development is unknown. Aerial photographs from 1938 depicted vacant wooded land. On the 1950 Sanborn map, and the 1951 aerial photograph, residences and a church were present at this location. On the 1957 through 1970 Sanborn maps, and the 1958 through 1970 aerial photographs, residences and a gasoline station were present; the station was present on the northwest corner of 19th Street and 7th Avenue. No USTs were depicted on Sanborn maps. Aerial photographs from 1980 and later depicted vacant land with a grassy appearance. In the 1891 through 1911 city directories, no listings were found of this location. City directories from 1917 through 1958 listed a church and individual names in the historical address range for this site. City directories from 1958 through 1977 listed a gasoline station and individual names at 702 19th Street, which would be a historical address for this site. In the 1982 through 2014 city directories, no listings were

found.

No information was available from the Moline Fire Department concerning USTs at this site.

The following information has been modified from ISGS #1314.

A magnetometer survey was conducted in July 2002. Five magnetic anomalies were detected. One, located in the southeast quadrant of the intersection, was centered on a point approximately 10.5 m (34 ft) east of 19th Street and 11 m (36 ft) south 7th Avenue. The second anomaly, located southeast of the first, was centered on a point approximately 18 m (59 ft) east of 19th Street and 11 m (36 ft) south of 7th Avenue. The third anomaly, was centered on a point approximately 23 m (75 ft) east of 19th Street and 30 m (98 ft) south of 7th Avenue. The fourth anomaly was centered on a point approximately 28 m (92 ft) east of 19th Street and 22 m (72 ft) south of 7th Avenue. The fifth anomaly was centered on a point approximately 42 m (138 ft) east of 19th Street and 11 m (36 ft) south of 7th Avenue.

In one of two boreholes completed at this site for ISGS #1314 in 2002, VOCs were detected. See ISGS #1314 for details.

Historic gas stations commonly conducted auto repairs on the premises. Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented UST(s).

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Potential UST(s); potential former chemical use; VOCs detected in previous ISGS testing.

No de minimis conditions were identified at this site.

**Site1314V3-68 (1314V-29, 1314V2-66). Residential buildings, 2028-2220 7th Avenue, 2107 9th Avenue, 716 21st Street, 715 22nd Street, and 703 23rd Street, Moline (south side of 7th Avenue from I-74 to 23rd Street; approximate 7th Avenue station 7020+50 LT; Attachment**

**2, page 7).** This site is occupied by eight single-family residences and three apartment buildings. Three pole-mounted transformers were observed, one along 7th Avenue at 21st Street, one south of the apartment building at 2028 7th Avenue, and one east of the residence at 715 22nd Street. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1912 depicted the current residences and the current east apartment building along 7th Avenue. The date of first development is unknown. Aerial photographs from 1938 and later and Sanborn maps from 1950 through 1970 depicted the current residential and apartment buildings. In 1891 through 1906 city directories, no listings were found. In 1911 through 1997 city directories, individual names were listed. In 2004 through 2014 city directories, individual names were listed and a beauty salon was listed at 2102 7th Avenue.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residential buildings were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformers; potential ACM and lead paint.

**Site 1314V3-69. Parking lot, 2300 block of 7th Avenue, Moline (southeast corner of 23rd Street and 7th Avenue; no stationing provided; Attachment 2, page 7).** This site is occupied by a parking lot. This site did not appear on any of the regulatory lists checked for this project.

On the 1906 and 1912 Sanborn maps, a residence was depicted at this location. The date of first development is unknown. Aerial photographs from 1938 through 1964 and Sanborn maps from 1950 through 1967 depicted residences. Aerial photographs from 1970 through 1973 and Sanborn maps from 1970 depicted residences and a vacant lot. Aerial photographs from 1980 and later depicted the current parking lot. City directories from 1911 through 1977 listed individual names or did not have any listings. In city directory listings from 1982 through 2014, no listings were found.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was

observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-70 (1314V-30, 1314V2-67). Silver Oaks, 824 17th Street, Moline (west side of 19th Street between 8th Avenue and 7th Avenue; no stationing provided; Attachment 2, page 8).**

This site is occupied by a media company. This site consisted of two buildings on a steep hillside. A pad-mounted transformer was observed near the southwest corner of the north building. This site did not appear on any of the regulatory lists checked for this project.

On the 1912 and 1950 Sanborn maps, several residences were present at this location. The date of first development is unknown. On the 1938 through 1988 aerial photographs, residential appearing buildings and vacant wooded land were present. On the 1957 Sanborn map, a restaurant was depicted at this site. On the 1963 and 1970 Sanborn maps, residences were depicted. On the 1994 and later aerial photographs, the current buildings and site configuration were present. In city directories from 1891 through 1911, no listings were found. City directories from 1917 through 1987 listed individual names. City directories from 1991 through 2014 listed the current occupant.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**1314V3-71 (1314V-31 [partial], 1314V2-68 [partial]). Vacant land, 1700 block of 9th Avenue,**

**Moline (west side of I-74 between 8th Avenue and 10th Avenue; no stationing provided; Attachment 2, page 8).** This site is occupied by vacant wooded land. Dense vegetation prevented a complete inspection of the site. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1906 through 1970 depicted the site as vacant. Aerial photographs from 1938 through 2015 depicted vacant wooded land.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- Dense vegetation prevented a complete inspection of the site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**1314V3-72 (1314V-29 [partial], 1314V2-66 [partial]). Vacant land, 1000 block of 19th Street, Moline (west side of I-74 between 7th Avenue and 11th Avenue; no stationing provided; Attachment 2, page 8).** This site is occupied by vacant wooded land. Dense vegetation prevented a complete inspection of the site. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1906 through 1970 depicted the site as vacant. Aerial photographs from 1938 through 2015 depicted vacant wooded land.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- Dense vegetation prevented a complete inspection of the site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-73 (1314V-31 [partial], 1314V2-68 [partial]). Residential buildings, 1006-1015 18th**

**Street, 1811-1822 11th Avenue, and 1811-1825 12th Avenue, Moline (west side of I-74 from north of 11th Avenue to 12th Avenue; no stationing provided; Attachment 2, page 8).** This site is occupied by four single-family residences and three apartment buildings. Two pole-mounted transformers were observed, one north of the residence at 1811 11th Avenue and one north of the residence at 1811 12th Avenue. This site did not appear on any of the regulatory lists checked for this project.

On the 1912 Sanborn maps, these residences at 1811 11th Avenue and 1822 11th Avenue were present. The date of first development is unknown. On the 1938 and later aerial photographs, and on the 1950 through 1970 Sanborn maps, all of the current residential buildings were present.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residential buildings were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformers; potential ACM and lead paint.

**Site 1314V3-74 (1314-36, 1314V-33, 1314V2-70). Residence, 1904 11th Avenue, Moline (southeast corner of 11th Avenue and 19th Street; no stationing provided; Attachment 2, page 8).** This site is occupied by a single-family residence.

During fieldwork for ISGS #1314V2 in 2013, a 208-liter (55-gallon) drum was observed at this site. The contents of the drum were unknown. No evidence of this drum was observed during fieldwork for this project.

On the 1938 and later aerial photographs, and on the 1950 through 1970 Sanborn maps, the current residence was present. The date of first development is unknown.

Under the name "IEPA" and the address "1904 11th Ave A", this site appears on the BOL list (IEPA #1610453002). Under the name "Unknown" and the address "1904 11th Ave A", this site appears on the IEMA non-LUST list (IEMA #961334). According to IEPA files, on July 25, 1996, IEMA was notified of a lead paint release due to illegal sandblasting. Lead-based paint was reportedly removed from the roof, gutters, windows, doors, porch, sidewalks, and soil at this residence.

following sand blasting activities. In July 1996, an IEPA inspector observed paint chips across the yard along the north, east, and west sides of this residence and along the north and west sides of the residence at 1906 11th Avenue A (Site 1314V3-73). The paint waste was removed from both properties by Clean Harbors Environmental Services Inc., and transported to a landfill. No further information was present in IEPA files regarding IEPA #1610453002.

In a soil sample taken from this site for PESA #1314, no metals were detected. See PESA #1314 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The contents of the former drum are unknown.
- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that this residence was constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in this building.

The following RECs were identified at this site: Former drum; evidence of chemical use.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-75 (1314V-34, 1314V2-71). Residence, 1906 11th Avenue, Moline (southeast corner of 11th Avenue and 19th Street; no stationing provided; Attachment 2, page 8).** This site is occupied by a single-family residence.

On the 1938 and later aerial photographs, and on the 1950 through 1970 Sanborn maps, the current residence was present. The date of first development is unknown.

Information in IEPA #1610453002 (Site 1314V3-74), pertained to this site. In July 1996, the residence at Site 1314V3-74 was inspected by the IEPA after a complaint was received regarding the sandblasting of lead-based paint. The IEPA inspector observed paint chips in the lawn along the north and west sides of this residence. The paint waste was removed from the both site by Clean Harbors Environmental Services Inc., and transported to a landfill. See Site 1314V3-74 for details.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was



observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that this residence was constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in this building.

The following REC was identified at this site: Evidence of chemical use.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-76 (1314V-34, 1314V2-71 [partial]). Residences, 1154 19th Street, and 1916 11th Avenue, Moline (southeast corner of 11th Avenue and 19th Street; no stationing provided; Attachment 2, page 8).** This site is occupied by two single-family residences. A pole-mounted transformer was observed near the north side of the residence at 1154 19th Street. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 and later aerial photographs, and on the 1950 through 1970 Sanborn maps, the current residences were present. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-77 (1314V-32, 1314V2-69). Economy Inn, 1191 19th Street, Moline (northwest corner of 19th Street and 12th Avenue, no stationing provided; Attachment 2, page 8).** This

site is occupied by a motel complex. A pad-mounted transformer was observed near the southwest corner of this site. This site did not appear on any of the regulatory lists checked for this project.

Aerial photographs from 1938 through 1958 depicted vacant wooded land. Sanborn maps from 1950 through 1957 depicted a vacant lot. Aerial photographs from 1964 and later and Sanborn maps from 1967 through 1970 depicted the current motel buildings. In the 1891 through 1958 city directories, no listings were found. City directories from 1965 through 2014 listed a motel and lounge.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

No data gaps were identified at this site.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**1314V3-78 (1314V-34 [partial], 1314V2-71 [partial]). Vacant land, 1200 block of 19th Street, Moline (east side of I-74 between 11th Avenue and 12th Avenue; no stationing provided; Attachment 2, page 8).** This site is occupied by vacant wooded land. Dense vegetation prevented a complete inspection of the site. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1906 through 1970 depicted this site as vacant. Aerial photographs from 1938 through 2015 depicted a wooded lot.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- Dense vegetation prevented a complete inspection of the site.

Because there are no buildings present and no evidence of fill or demolition debris was observed,

asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**1314V3-79 (1314V-34 [partial], 1314V2-71 [partial]). Residences, 1187-1195 22nd Street, Moline (northeast corner of 19th Street and 12th Avenue; no stationing provided; Attachment 2, page 8).** This site is occupied by two single-family residences. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1906 through 1957 depicted this site as vacant. Aerial photographs from 1938 through 1951 depicted a wooded vacant lot. Aerial photographs from 1958 and later and Sanborn maps from 1963 through 1970 depicted the current residences.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

No data gaps were identified at this site.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-80 (1314V-31 [partial], 1314V2-68 [partial]). Residential buildings, 1816-1832 12th Street, 1842 13th Avenue, and 1857 14th Avenue, Moline (west side of I-74 from 12th Avenue to 14th Avenue; no stationing provided; Attachment 2, page 9).** This site is occupied by four single-family residences and three apartment buildings. Two pole-mounted transformers were observed, both along the south side of 12th Avenue. This site did not appear on any of the regulatory lists checked for this project.

On the 1912 Sanborn map, a different residence than one of the current was present along 12th Street. The date of first development is unknown. On the 1938 and later aerial photographs, and on the 1950 through 1970 Sanborn maps, all of the current residences were present.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residential buildings were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformers; potential ACM and lead paint.

**Site 1314V3-81 (1314V-34 [partial], 1314V2-72 [partial]). Residences, 1874-1882 12th Avenue, and 1225-1874 18th Street-C, Moline (east side of I-74 from 18th Avenue to 19th Street; no stationing provided; Attachment 2, page 9).** This site is occupied by five single-family residences. A pole-mounted transformer was observed along the east side of this site, south of 1882 12th Avenue. This site did not appear on any of the regulatory lists checked for this project.

On the 1912 Sanborn map, two of the current residences were present along 12th Avenue. The date of first development is unknown. On the 1938 and later aerial photographs, and on the 1950 through 1970 Sanborn maps, all of the current residences were present.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**1314V3-82 (1314V-34 [partial], 1314V2-72 [partial]). Vacant land, 1200 block of 19th Street, Moline (east side of I-74 between 11th Avenue and 12th Avenue; no stationing provided;**

**Attachment 2, page 9).** This site is occupied by vacant wooded land. Dense vegetation prevented a complete inspection of the site. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1906 through 1970 depicted this site as vacant. Aerial photographs from 1938 through 2015 depicted vacant wooded land.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- Dense vegetation prevented a complete inspection of the site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-83 (1314V-34 [partial], 1314V2-72 [partial]). Residence, 2301 14th Avenue, Moline (east side of 19th Street between 12th Avenue and 18th Avenue; no stationing provided; Attachment 2, page 9).** This site is occupied by a single-family residence. This site did not appear on any of the regulatory lists checked for this project.

Aerial photographs from 1938 and later and Sanborn maps from 1950 through 1970 depicted the current residence. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformer, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on August 17, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that this residence was constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-84 (1314V-31, 1314V2-68). Residences and vacant lot, 1890 14th Avenue, 1859 16th Avenue, 1500 block of I-74, 1866 17th Avenue, 1603-1719 18th Street-C, and 1872-1875 18th Avenue, Moline (west side of I-74 from 14th Avenue to 18th Avenue; no stationing provided; Attachment 2, page 9).** This site is occupied by sixteen single-family residences and a grassy vacant lot. This site did not appear on any of the regulatory lists checked for this project.

Aerial photographs from 1938 and later and Sanborn maps from 1950 through 1970 depicted the current residences. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-85 (1314V-34 [partial], 1314V2-72 [partial]). Residential buildings, 2104 18th Avenue and 1825-1829 23rd Street, Moline (southeast corner of 18th Avenue and 19th Street; no stationing provided; Attachment 2, page 9).** This site is occupied by two single-family residences and an apartment building. A natural gas pipeline marker was observed near the northwest corner of this site. Additional natural gas pipeline markers were observed west of this site, indicating a pipeline passes through this site in an east-west direction. This site did not appear on any of the regulatory lists checked for this project.

In the 1938 and later aerial photographs, and the 1950 through 1970 Sanborn maps, the current residential buildings were present. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residential buildings were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Natural gas pipeline; potential ACM and lead paint.

**Site 1314V3-86 (1314V-36, 1314V2-75). American Rental Association, 1900 19th Street, Moline (southwest corner of 19th Avenue and 23rd Street; no stationing provided; Attachment 2, page 10).** This site is occupied by an office building containing a rental association. A generator with a diesel AST was observed near the northeast corner of the building. A pad-mounted transformer was also observed in this area. This site did not appear on any of the regulatory lists checked for this project.

Aerial photographs from 1938 through 1970 depicted residences on the north side and vacant land on the south side. The date of first development is unknown. Aerial photographs from 1988 and later depicted the current commercial building. In 1891 through 1977 city directories, no listings were found. City directories from 1982 listed a print shop and the current occupants. City directories from 1987 through 2014 listed only the current occupants.

Potential hazards associated with print shops and lithography include metals and VOCs.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings.

The following RECs were identified at this site: AST; potential former chemical use.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**1314V3-87 (1314V-35 [partial], 1314V2-74 [partial]). Vacant land, 1800-1900 blocks of 18th Street-C, Moline (east side of I-74 between 18th Avenue and 20th Avenue; no stationing provided; Attachment 2, page 10).** This site is occupied by vacant wooded land. Dense vegetation prevented a complete inspection of the site. This site did not appear on any of the regulatory lists checked for this project.

On the 1906 through 1970 Sanborn maps, the site was vacant. Aerial photographs from 1938 through 2015 depicted vacant wooded land.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- Dense vegetation prevented a complete inspection of the site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-88 (1314V-37 [partial], 1314V2-76 [partial]). Residences, 2003 20th Avenue, 1893-1894 22nd Avenue, 1881-1893 23rd Avenue and 2221 18th Street-C, Moline (west side of I-74 from 20th Avenue to 23rd Avenue; no stationing provided; Attachment 2, page 10).** This site is occupied by nine single-family residences. A pole-mounted transformer was observed north of the residence at 1889 23rd Avenue. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 and later aerial photographs, and on the 1950 through 1870 Sanborn maps, the current residences were present. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor



tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-89 (1314V-38 [partial], 1314V2-77 [partial]). Residences, 1944-1946 23rd Street and 2315-2335 23rd Avenue, Moline (northeast corner of I-74 and 23rd Avenue; no stationing provided; Attachment 2, page 10).** This site is occupied by seven single-family residences. A pole-mounted transformer was observed north of the residence at 2328 23rd Avenue. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 and later aerial photographs, and on the 1950 through 1970 Sanborn maps, the current residences were present. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-90 (1314V-37 [partial], 1314V2-76 [partial]). Residences, 2314-2315 18th Street-C and 2313-2329 19th Street, Moline (southwest corner of 19th Street and 23rd Avenue; no stationing provided; Attachment 2, page 10).** This site is occupied by seven single-family residences. A pole-mounted transformer was observed west of the residence at 2323 19th Street. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 and later aerial photographs, and on the 1950 through 1970 Sanborn maps, the current residences were present. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-91 (1314V-38 [partial], 1314V2-77 [partial]). Residence, 2311 23rd Avenue, Moline (southeast corner of I-74 and 23rd Avenue; no stationing provided; Attachment 2, page 10).** This site is occupied by a single-family residence. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 and later aerial photographs, and on the 1950 through 1970 Sanborn maps, the current residence was present. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that this residence was constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in this building.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**1314V3-92 (1314V-38 [partial], 1314V2-77 [partial]). Vacant land, 2300 block of 19th Street, Moline (east side of I-74 between 23rd Avenue and 24th Avenue; no stationing provided; Attachment 2, page 10).** This site is occupied by vacant wooded land. Dense vegetation prevented a complete inspection of the site. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1906 through 1970 depicted this site as vacant. On the 1938 through 2015 aerial photographs, the site was vacant wooded land.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- Dense vegetation prevented a complete inspection of the site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-93 (1314V-39, 1314V2-78). New Life Fellowship Church, 2335-2345 19th Street, Moline (west side of I-74 between 23rd Avenue and 24th Avenue; no stationing provided; Attachment 2, page 10).** This site is occupied by a church with a parsonage along its north side. Three pole-mounted transformers were observed along the west side of the church building, and one pole-mounted transformer was observed near the north side of the parsonage. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 through 1951 aerial photographs, the site was vacant wooded land. Aerial photographs from 1958 depicted the current parsonage building and vacant wooded land. Aerial photographs from 1970 through 2005 depicted the current parsonage and a different church. Aerial photographs from 2007 and later depicted the current church and parsonage. In 1891 through 1945 city directories, no listings were found. City directories from 1953 through 1965 listed individual names. City directories from 1971 through 2015 listed a church.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

No data gaps were identified at this site.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or

stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformers; potential ACM and lead paint.

**Site 1314V3-94 (1314V-40 [partial], 1314V2-79 [partial]). Residences, 2375-2617 19th Street, 1901 Glenwood Drive, and 1895 24th Avenue Court, Moline (west side of I-74 from south of 23rd Avenue to south of 25th Avenue Court; no stationing provided; Attachment 2, page 10).** This site is occupied by eleven single-family residences. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 and later aerial photographs, all of the current residences were present. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, July 21, and August 17, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-95 (1314V-38 [partial], 1314V2-77 [partial]). Residences, 2401-2405 24th Street, Moline (east side of I-74 between 23rd Avenue and 24th Avenue; no stationing provided; Attachment 2, page 10).** This site is occupied by two single-family residences. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 and later aerial photographs, all of the current residences were present. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or

underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**1314V3-96 (1314V-38 [partial], 1314V2-77 [partial]). Vacant land, 2300 block of 19th Street, Moline (east side of I-74 between 24th Avenue and 27th Street; no stationing provided; Attachment 2, page 10).** This site is occupied by vacant wooded land. Dense vegetation prevented a complete inspection of the site. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 through 2015 aerial photographs, the site was vacant wooded land.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- Dense vegetation prevented a complete inspection of the site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-97 (1314V-38 [partial], 1314V2-77 [partial]). Residences and vacant lot, 2515 19th Street, 2540 19th Street, 2722-2725 25th Avenue, 2800 block of 26th Avenue, and 2850 26th Avenue, Moline (northeast and southeast corners of 19th Street and 25th Avenue; no stationing provided; Attachment 2, page 11).** This site is occupied by five single-family residences and a vacant grassy lot. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 and later aerial photographs, all of the current residences were present. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, July 21, and August 17, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**Site 1314V3-98 (1314V-40 [partial], 1314V2-79 [partial]). Residences, 2627-2807 19th Street, Moline (west side of I-74 from south of 25th Avenue Court to 28th Avenue; no stationing provided; Attachment 2, page 11).** This site is occupied by five single-family residences. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 and later aerial photographs, all of the current residences were present. The date of first development is unknown.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, July 21, and August 17, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**1314V3-99. Vacant land, 2900 block of 19th Street, Moline (west side of I-74 between 19th Street and 27th Street; no stationing provided; Attachment 2, page 11).** This site is occupied by vacant grassy land. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 through 2015 aerial photographs, the site was vacant grassy land.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

No data gaps were identified at this site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-100 (1314V-40 [partial], 1314V2-81 [partial]). Residences, 2700-2902 30th Street, Moline (west side of I-74 between 27th Street and 29th Street; no stationing provided; Attachment 2, page 11).** This site is occupied by eight single-family residences. A pole-mounted transformer was observed west of the residence at 2808 30th Street. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 through 1958 aerial photographs, the site was vacant wooded land. Aerial photographs from 1970 depicted only the current residence along 30th Street. On the 1988 and later aerial photographs, all of the current residences were present.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

No data gaps were identified at this site.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that some of these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.

No RECs were identified at this site.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**1314V3-101 (1314V-41, 1314V2-80 [partial]). Vacant land, 2500 block of 26th Avenue, Moline (east side of I-74 between 26th Avenue and 29th Street; no stationing provided; Attachment 2, page 11).** This site is occupied by vacant wooded land. Dense vegetation prevented a complete inspection of the site. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 through 2015 aerial photographs, the site was vacant wooded land.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- Dense vegetation prevented a complete inspection of the site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-102 (1314V-40 [partial], 1314V2-81 [partial], 2657V-37 [partial]). Residences, 2906-3004 30th Street, Moline (west side of I-74 between 27th Street and 29th Street; no stationing provided; Attachment 2, page 12).** This site is occupied by seven single-family residences. This site did not appear on any of the regulatory lists checked for this project.

On the 1938 through 1958 aerial photographs, the site was vacant wooded land. Aerial photographs from 1970 depicted a residence at 2906 30th Street. On the 1988 and later aerial photographs, all of the current residences were present.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

No data gaps were identified at this site.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Evidence from aerial photographs indicates that some of these residences were constructed before 1978. Lead paint was banned for residential use in the United States in 1978, and therefore lead paint may be present in these buildings.



No RECs were identified at this site.

The following de minimis conditions were identified at this site: Potential ACM and lead paint.

**1314V3-103 (1314V-41, 1314V2-80 [partial], 2657V-38 [partial]). Vacant land, 2500 block of 26th Avenue, Moline (east side of I-74 between 26th Avenue and 29th Street; no stationing provided; Attachment 2, page 12).** This site is occupied by vacant wooded land. Dense vegetation prevented a complete inspection of the site. This site did not appear on any of the regulatory lists checked for this project.

Aerial photographs from 1938 through 2015 depicted vacant wooded land.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- Dense vegetation prevented a complete inspection of the site.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs or de minimis conditions were identified at this site.

**Site 1314V3-104 (1314V2-82). Ben Butterworth Parkway, 3300 block of River Drive, Moline (northeast and northwest corners of River Drive and 34th Street; no stationing provided; Attachment 2, page 13).** This site is occupied by a park, a bike trail, and a parking lot. Three pole-mounted transformers were observed along River Drive west of 34th Street. This site did not appear on any of the regulatory lists checked for this project.

On 1938 through 1988 aerial photographs, the site was vacant grassy land. On the 1993 through 2013 aerial photographs, a park with a different configuration was present. On the 2015 aerial photo, the current park and parking lot configuration were present. No listing for this site were found in the 1891 through 1945 city directories. In the 1953 and later city directories, a city park was listed at this site.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

No data gaps were identified at this site.

Because there are no buildings present and no evidence of fill or demolition debris was observed,

asbestos-containing materials and lead paint are unlikely to be present at this site.

No RECs were identified at this site.

The following de minimis condition was identified at this site: Transformers.

**Site 1314V3-105 (1314V2-83). Western Illinois University-Quad Cities campus, 3300 River Drive, Moline (southwest corner of River Drive and 34th Street; no stationing provided; Attachment 2, page 13).** This site is occupied the Western Illinois University-Quad Cities campus. Site features included three educational buildings and three paved parking lots. MW-1 through MW-11 on Attachment 26 were not present during fieldwork for this project. A generator with a diesel AST was observed near the southwest corner of the east building. One pole-mounted transformer was observed near the southeast corner of the site, and one pole-mounted transformer was observed along the south side of this site. A natural gas pipeline marker was observed at the southeast corner of this site. Additional natural gas pipeline markers were observed west of this site, indicating a pipeline passes through this site in an east-west direction.

During the fieldwork for ISGS #1314V2 in 2013, ten 208-liter (55-gallon) drums and two diesel ASTs were observed during construction activities at that time. The contents of the drum were unknown. No evidence of the ASTs or drums was present during fieldwork for this project.

On the 1938 aerial photograph, several different commercial buildings were present. Sanborn maps from 1950 depicted apartment buildings along the east side of the site and the Deere & Company lumber yard along the west side of the site. On the 1959 through 2010 aerial photographs, and on the 1957 through 1970 Sanborn maps, two different commercial buildings was present on the east part of the site. On Sanborn maps, these buildings were labeled as containing warehouses for machinery used by Deere & Company. The remainder of the site was vacant with a grassy appearance. On the 2013 aerial photograph, the current educational building and parking lot on the east part of the site was present, with a portion of the previous building to its west. The remainder of the site was vacant with a grassy appearance. On the 2014 aerial photo, the two education buildings near the center of the site were under construction. On the 2015 aerial photo, the all of the current building were present, and the site had its current configuration. In 1906 through 1953 city directories, no listings were found in the historical address ranges for this site. In the 1957 through 1992 city directories, John Deere Research Department was listed. In the 1997 through 2014 city directories, no listings were found. During fieldwork for ISGS #1314V2 in 2013, this site was occupied by only the eastern Western Illinois University building.

Under the name "Deere and Co Technical Ctr" and the address "3300 River Dr", this site appears on the inactive RCRA list (USEPA #ILD981198351). Under the name "Western Illinois University Quad Cities Riverfront Campus" and the address "3300 River Dr", this site appears on the BOL list (IEPA #1610450004). Under the name "John Deere Technical Ctr." and the address "3300 River Dr.", this site appears on the LUST list (IEMA #913274). Under the name "Deere & Company Technical Center" and the address "3300 River Drive", this site appears on the UST list (OSFM #3009788) with four registered USTs. According to OSFM records, one (1,000-gallon) used-oil UST was abandoned in place in May 1987. This was later removed in 2004 (see IEPA files, below, for a discussion of this UST). Two gasoline USTs and one diesel UST are listed as having been removed in November 1991 (see IEMA #913274, below, for the locations of these USTs).

According to IEPA files, the John Deere Technical Center operated at this location from the 1950s through 2001. In 1975, three USTs were removed and replaced with four USTs. See Attachment 26 to the approximate location of these former USTs. In 1987, a used-oil UST was abandoned in place (see Attachment 26 for the location of this UST). In 1991, three USTs were removed. Evidence of a release was observed during the removal of two gasoline USTs and one diesel UST, and IEMA #913274 was issued. Soil and groundwater samples were collected from the UST pit by the site consultants Terracon, and BTEX and PAHs were detected above the cleanup objectives in effect at the time. In 1992, Terracon completed several borings determine the extent of the detected impact, four of which were converted to monitoring wells (MW-1 through MW-4 on Attachment 26). These wells were present during the fieldwork for this project. Foundry fill material was observed in several of the borings. Depth to groundwater was approximately 0.9-1.2 m (3-4 ft), and the groundwater flow direction was determined to be toward the northeast. VOCs, PNAs, and metals were detected in the soil and groundwater above IEPA cleanup objectives in effect at that time.

In 2003, the site consultants Clear Consulting Services (CCS) completed additional soil borings across the eastern part, seven of which was converted to monitoring wells (MW-5 through MW-11 on Attachment 26). These wells were present during the fieldwork for this project. Soil and groundwater samples were analyzed for VOCs, PNAs, metals, pesticides, and PCBs. PAHs and metals were detected above TACO Tier 1 industrial/commercial SROs, and VOCs were detected above Tier 1 Class I GROs. In July 2004, the impacted soil and abandoned UST were removed from the site. MW-5 was replaced by MW-5R. Soil samples collected for the excavation pit and groundwater samples collected from the existing wells were analyzed for VOCs and PNAs. One PNA was detected above TACO Tier 1 residential SROs. Attachment 26 depicts the estimated extent of impacted soil. One VOCs was detected above TACO Tier 1 Class GROs. Attachment 27 depicts the estimated extent of impacted groundwater. CCS proposed to manage remaining impact through the use of AULs. Based on this information, on February 8, 2006, IEPA issued a NFR letter for IEMA #913274, with the following AULs: industrial/commercial land use restriction; groundwater use restriction; and notification of all potentially affected property owners (Attachment 28). The City of Moline was notified as a potentially affected property owner. In March 2009, the site was inspected by IEPA regarding its compliance with the terms of the NFR letter. No violations were noted. No further information was available in IEPA files regarding IEMA #913274.

According to IEPA files, in 1986, John Deere registered with USEPA and IEPA as a generator of less than 1,000 kg/mo (2,200 lb/mo) of ignitable wastes. No further information was available in IEPA files regarding IEPA #1610450004.

Under the name "Deere Co. Technical Center" and the address "3300 River Drive", this site appears on the IEMA non-LUST list (IEMA #881143). According to IEMA records, in August 1988, a release of approximately 2-2.5 kg (4-5 lbs) of mercury was reported from a manometer at this location. No specific location was given for this spill. No further information was present in IEMA records regarding IEMA #881143.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- The contents of the former drums are unknown.

The buildings on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in these buildings.

The following RECs were identified at this site: Former USTs with a documented release; AST; former ASTs; former drums; former monitoring wells; spill; evidence of former chemical use; fill; impacted soil and groundwater.

The following de minimis conditions were identified at this site: Transformers; natural gas pipeline; potential ACM and lead paint.

**Site 1314V3-106 (1314V2-84). Quad City Spring, 116 34th Street, Moline (southeast corner of 34th Street and River Drive; no stationing provided; Attachment 2, page 13).** This site is occupied a truck maintenance and repair shop. One 208-liter (55-gallon) drum was observed along the west side the building. According to a site employee, the drum contained used oil and solvent. Five 208-liter (55-gallon) drums containing used oil were observed near the southeast corner of the site. A pole-mounted transformer was observed on the northeast corner of the building.

On the 1938 through 1958 aerial photographs, and on the 1957 through 1963 Sanborn maps, residences were present at this location. The date of first development is unknown. On the 1970 aerial photographs, a vacant gravel lot with parked vehicles was present. Aerial photographs from 1988 and later depicted the current building and site configuration. In 1891 through 1945 city directories, no listings were found. City Directories from 1953 through 1987 listed individual names. City directories from 1992 through 2015 listed the current occupant.

Under the name "Quad Cities Spring" and the address "110 34th St", this site appears on the BOL list (IEPA #1610455237). According to IEPA files, in September 2002, this site was inspected by the IEPA after a complaint was received concerning illegal dumping of asphalt and anti-freeze at this location. No evidence of the alleged dumping was observed by the IEPA inspector. The inspection did determine that the business generated scrap metal and cardboard waste, and no violations were noted. No further information was available in IEPA files regarding IEPA #1610455237.

Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented USTs.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during

site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The date of first development is unknown.
- The status and location of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Potential UST(s); drums; evidence chemical use.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-107 (1314V2-85). Contented Canines, 120 34th Street, Moline (east side of 34th Street between River Drive and 2nd Avenue; no stationing provided; Attachment 2, page 13).**

This site is occupied by a dog behavior and obedience school. A pole-mounted transformer was observed near the northwest corner of the building.

Aerial photographs from 1938 through 1958 depicted vacant grassy land. Sanborn maps from 1957 depicted this site as vacant. On the 1963 Sanborn map, and on the 1970 and later aerial photographs, the current building was present. On Sanborn maps, the building was labeled as containing a motor freight station. In 1891 through 1958, no listings were found. City directories from 1965 through 1971 listed a trucking company. City directories from 1977 through 1992 listed a plumbing and heating business. City directories from 1997 listed a truck repair business. City directories from 2008 through 2015 listed the current occupants.

Under the name "Neumann Plumbing & Heating Inc" and the address "120 34th St", this site appears on the UST list (OSFM #3015712) with two registered USTs. According to OSFM files, one gasoline UST and one diesel UST were removed in 1987 and 1988 respectively. No location maps were present in OSFM files regarding either the USTs, and the locations of these former USTs are unknown. No further information was available in OSFM files regarding OSFM #3015712.

Under the name "Central Illinois Trucks" and the address "120 34th St", this site appears on the BOL list (IEPA #1610455221). According to IEPA files, in 2000, Central Illinois Trucks registered with IEPA as a generator of unspecified types and amounts of waste. No further information was available in IEPA files regarding IEPA #1610455221.

No information was available from the Moline Fire Department concerning USTs at this site.

Potential hazards associated with vehicle repair facilities include waste oil, lubricants, and transmission fluids; spent solvents; waste paints and thinners; sludge from parts-cleaning tanks; oily sludge from floor sumps; used antifreeze; used lead-acid batteries; and undocumented USTs.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gaps were identified at this site:

- The locations of the former USTs at this site are unknown.
- The status and locations of any undocumented UST(s) at this site are unknown.

The building on this site may contain friable asbestos-containing materials as a component of floor tiles, wall and pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but has not been banned for industrial and commercial use. Therefore lead paint may be present in this building.

The following RECs were identified at this site: Former USTs; potential UST(s); evidence of former chemical use.

The following de minimis conditions were identified at this site: Transformer; potential ACM and lead paint.

**Site 1314V3-108 (1314V2-87). BNSF Railroad, 3400 block of 4th Avenue, Moline (north side of 4th Avenue at 34th Street; no stationing provided; Attachment 13).** This site is occupied by a railroad. A signal box and battery box were observed west of 34th Street. A natural gas pipeline marker was observed near the northeast corner of 34th Street. Additional natural gas pipeline markers were observed west of this site, indicating a pipeline passes through this site in an east-west direction. This site did not appear on any of the regulatory lists checked for this project.

Sanborn maps from 1886 through 1970 depicted a railroad at this site. The date of first development is unknown. Aerial photographs from 1938 and later depicted railroad tracks.

Potential hazards associated with railroad signal and battery boxes include batteries and metals.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during site inspections by ISGS on May 10, 11, and July 21, 2016.

The following data gap was identified at this site:

- The date of first development is unknown.

Because there are no buildings present and no evidence of fill or demolition debris was observed, asbestos-containing materials and lead paint are unlikely to be present at this site.

The following RECs were identified at this site: Railroad signal and battery boxes.

The following de minimis condition was identified at this site: Natural gas pipeline.

### **ADJOINING SITES**

The ISGS conducted a search of federal, state, and other environmental databases for reported environmental concerns on sites adjoining the project. For certain resources, the search distances may have been expanded when deemed applicable in the judgment of the project manager. Refer to the Appendix for complete citations for these databases and the date of update of each database. Sites along the project are listed in the preceding section. Sites adjoining the project that do not appear on regulatory databases are not included. The following sites adjoining but not along, the project were identified.

#### **Federal records**

SEMS: NPL, Active, and Archived

Site 1314V3-A. Rock Island Arsenal, 1 Rodman Avenue, Moline. USEPA #IL5210021833, and #ILR000145854; IEPA #1610655021, #1610655176, #1610656015, #1610656090, #1610656091, and #1618130001; OSFM #3010676 and #3025626; IEMA #861218A, #871682, #891462, #900741, #901146, #902682, #903187, #911623, #951869, and #20120474. (Active SEMS site.) Adjoining property to the west of Site 1314V3-2 (Attachment 2, page 2).

RCRA sites subject to corrective action (CORRACTS)

None.

RCRA sites – non-CORRACTS TSD

None.

RCRA sites – other

Site 1314V3-A. Rock Island Arsenal, 1 Rodman Avenue, Moline. USEPA #IL5210021833, and #ILR000145854; IEPA #1610655021, #1610655176, #1610656015, #1610656090, #1610656091, and #1618130001; OSFM #3010676 and #3025626; IEMA #861218A, #871682, #891462, #900741, #901146, #902682, #903187, #911623, #951869, and #20120474. (Active SEMS site.) Adjoining property to the west of Site 1314V3-2 (Attachment 2, page 2).

Site 1314V3-B. Lundahl Motors Inc., 1801 5th Avenue, Moline. USEPA #ILD984815787; IEPA #1610455064; OSFM #3032989. Adjoining property to the south of Site 1314V3-22 and to the west of Site 1314V3-23 (Attachment 2, page 4).

Brownfields pilot sites

None.

Non-LUST releases

None.

## State records

### Leaking underground storage tanks (LUST)

Site 1314V3-A. Rock Island Arsenal, 1 Rodman Avenue, Moline. USEPA #IL5210021833, and #ILR000145854; IEPA #1610655021, #1610655176, #1610656015, #1610656090, #1610656091, and #1618130001; OSFM #3010676 and #3025626; IEMA #861218A, #871682, #891462, #900741, #901146, #902682, #903187, #911623, #951869, and #20120474. (Active SEMS site.) Adjoining property to the west of Site 1314V3-2 (Attachment 2, page 2).

### Registered underground storage tanks (UST)

Site 1314V3-A. Rock Island Arsenal, 1 Rodman Avenue, Moline. USEPA #IL5210021833, and #ILR000145854; IEPA #1610655021, #1610655176, #1610656015, #1610656090, #1610656091, and #1618130001; OSFM #3010676 and #3025626; IEMA #861218A, #871682, #891462, #900741, #901146, #902682, #903187, #911623, #951869, and #20120474. (Active SEMS site.) Adjoining property to the west of Site 1314V3-2 (Attachment 2, page 2).

Site 1314V3-B. Lundahl Motors Inc., 1801 5th Avenue, Moline. USEPA #ILD984815787; IEPA #1610455064; OSFM #3032989. Adjoining property to the south of Site 1314V3-22 and to the west of Site 1314V3-23 (Attachment 2, page 4).

Site 1314V3-C. McLaughlin Body Co., 2430 River Drive, Moline. IEPA #1610455003; OSFM #3036355. Adjoining property to the south of Site 1314V3-7 and northeast of Site 1314V3-20 (Attachment 2, page 3).

Site 1314V3-D. Erickson Tire, 1810 5th Avenue, Moline. IEPA #1610455190; OSFM #3012875. Adjoining property to the south of Site 1314V3-23, west of Site 1314V3-31, and to the north of Sites 1314V3-39 and 1314V3-40 (Attachment 2, page 5).

### Activity and Use Limitations (including institutional controls, engineered barriers, and Highway Authority Agreements)

Site 1314V3-E. Moline Dispatch Publishing Company, 1720 5th Avenue, Moline. Notified property in conjunction with IEPA #1610455194. Adjoining property to the northwest of Site 1314V3-39 (Attachment 2, page 5).

### Brownfields

None.

### IEPA Bureau of Land Inventory

Site 1314V3-A. Rock Island Arsenal, 1 Rodman Avenue, Moline. USEPA #IL5210021833, and #ILR000145854; IEPA #1610655021, #1610655176, #1610656015, #1610656090, #1610656091, and #1618130001; OSFM #3010676 and #3025626; IEMA #861218A, #871682, #891462, #900741, #901146, #902682, #903187, #911623, #951869, and #20120474. (Active SEMS site.) Adjoining property to the west of Site 1314V3-2 (Attachment 2, page 2).

Site 1314V3-B. Lundahl Motors Inc., 1801 5th Avenue, Moline. USEPA #ILD984815787; IEPA #1610455064; OSFM #3032989. Adjoining property to the south of Site 1314V3-22



and to the west of Site 1314V3-23 (Attachment 2, page 4).

Site 1314V3-C. McLaughlin Body Co., 2430 River Drive, Moline. IEPA #1610455003; OSFM #3036355. Adjoining property to the south of Site 1314V3-7 and northeast of Site 1314V3-20 (Attachment 2, page 3).

Site 1314V3-D. Erickson Tire, 1810 5th Avenue, Moline. IEPA #1610455190; OSFM #3012875. Adjoining property to the south of Site 1314V3-23, west of Site 1314V3-31, and to the north of Sites 1314V3-39 and 1314V3-40 (Attachment 2, page 5).

Site 1314V2-F. Kone Inc., 1801 River Drive, Moline. IEPA #1610455123. Adjoining property to the west of Site 1314V3-10 (Attachment 2, page 3).

Site 1314V3-G. Snyder General Corp., 319 18th Street, Moline. IEPA #1610450016. Adjoining property to the west of Site 1314V3-15 and northwest of Site 1314V3-16 (Attachment 2, page 3).

Site 1314V2-H. Midland Davis Corp., 3301 4th Avenue, Moline. IEPA #1610455112. Adjoining property to the south of Site 1314V3-108 (Attachment 2, page 13).

**IEPA Site Remediation Program**

None.

**Non-LUST releases**

None.

**Municipal records**

None.

**Tribal records**

There are no tribally owned lands in the state of Illinois; therefore, the checking of tribal records is not applicable for this report.

## CONCLUSIONS

(1) RECs were identified at the following sites along the project:

- Site 1314V3-1: ROW. Spills; former ASTs; evidence of chemical use; natural gas pipeline; potential ACM .
- Site 1314V3-2: Mississippi River. Non-attainment of water quality; spills; potentially impacted surface water.
- Site 1314V3-4: City of Moline Water Division. USTs; former UST; potential UST(s); ASTs; former monitoring wells; evidence of chemical use; impacted soil and groundwater; VOCs; transformers; potential ACM and lead paint.
- Site 1314V3-5: Industrial building. Potential UST; evidence of former chemical use; VOCs and metals; natural gas pipeline; transformers; potential ACM and lead paint.
- Site 1314V3-6: Vacant land. Former USTs with documented releases; monitoring well; potential monitoring wells; former drums; evidence of former chemical use; air releases; VOCs, metals, and PCBs; soil mounds; natural gas pipeline; transformer.
- Site 1314V3-7: River Stone Moline Yard. Potential monitoring wells; evidence of chemical use; potentially impacted groundwater; HAA; VOCs and metals; mounding; transformers; potential ACM and lead paint.
- Site 1314V39-8: Commercial building. Former UST; potential chemical use; VOCs, SVOCs, and metals; transformers; potential ACM and lead paint.
- Site 1314V3-9: Parking lot. Potential UST(s); potential former chemical use.
- Site 1314V3-10: Moline Enterprise Lofts. Former monitoring wells; potential former chemical use; impacted groundwater; potential ACM.
- Site 1314V3-11: Vacant lot. Potential former chemical use; VOCs, SVOCs, and metals; soil pile.
- Site 1314V3-12: Electric substation. SVOCs and metals; natural gas pipeline; transformers; potential ACM and lead paint.
- Site 1314V3-13: Speigel Moving and Storage. Potential UST(s); staining; potential former chemical use; SVOCs and metals; transformers; likely natural gas pipeline; potential ACM and lead paint.
- Site 1314V3-14. Vacant lot. VOCs, SVOCs, and metals.
- Site 1314V3-15: USI Midwest. Evidence of chemical use; SVOCs and metals; transformer; potential ACM and lead paint.
- Site 1314V3-16: Kone, Inc. Evidence of chemical use; natural gas pipeline; potential ACM and lead paint.
- Site 1314V3-17: Parking lot. Potential UST(s); potential former chemical use; VOCs, SVOCs, and metals; likely natural gas pipeline.
- Site 1314V3-18: Vacant land. Potential UST(s); potential former chemical use; VOCs, SVOCs, and metals; natural gas pipeline.
- Site 1314V3-19: Vacant lot. Potential UST(s); potential former chemical use; potentially impacted groundwater; SVOCs and metals; natural gas pipeline.
- Site 1314V3-20: River Stone. Former UST with a documented release; potential UST(s); former AST; former monitoring wells; chemical container; potential former chemical use; impacted soil and groundwater; HAA; transformers; likely natural gas pipeline; potential ACM and lead paint..
- Site 1314V3-21: BNSF Railroad. Railroad signal and battery boxes; potentially impacted groundwater; PCBs.
- Site 1314V3-22: Parking lot. Potential monitoring well; potentially impacted groundwater;

## HAA.

- Site 1314V3-23: LeClaire Apartments. Former UST; potential UST(s); AST; former monitoring wells; potential former chemical use; impacted groundwater; HAA; potential ACM and lead paint.
- Site 1314V3-24: John Deere. Former USTs with a documented release; potential UST(s); AST; former ASTs; former monitoring wells; evidence of chemical use; chemical containers; air release; impacted soil and groundwater; HAA; VOCs and metals; transformers; potential ACM and lead paint.
- Site 1314V3-25: Sivyer Steel Corp. Drums; former drums; evidence of chemical use; VOCs; transformer; potential ACM and lead paint.
- Site 1314V3-26: Commercial building. Former UST; potential UST(s); potential former chemical use; transformer; potential ACM and lead paint.
- Site 1314V3-28: Residential building. Potential UST(s); potential former chemical use; transformer; potential ACM and lead paint.
- Site 1314V3-30: Sunbelt Rentals. Former USTs; potential UST(s); AST; former monitoring wells; potential former chemical use; impacted soil and groundwater; transformers; potential ACM and lead paint.
- Site 1314V3-31: Quick Stop. USTs with documented releases; monitoring wells; former monitoring wells; former drums; impacted soil and groundwater; HAA; VOCs; natural gas pipeline; potential ACM and lead paint.
- Site 1314V3-32: Commercial buildings. Former USTs; potential UST(s); potential AST(s); evidence of former chemical use; protruding pipes; HAA; transformer; potential ACM and lead paint.
- Site 1314V3-33: Parking lot. Potential UST(s); potential former chemical use; presence on LUST and BOL lists; impacted soil and groundwater; HAA; VOCs; transformers.
- Site 1314V3-36: Brannens Auto Works. Former UST; potential UST(s); AST; drums; potential chemical use; VOCs; potential ACM and lead paint.
- Site 1314V3-38: Dispatch-Argus Newspaper. Potential UST(s); potential former chemical use; potential ACM and lead paint.
- Site 1314V3-39: Fromi Tax Service. Potential UST(s); potential former chemical use; potential ACM and lead paint.
- Site 1314V3-40: Parking lot. Potential UST(s); evidence of chemical use; potential ACM and lead paint.
- Site 1314V3-41: La Casa Mexican Grill. Former USTs with a documented release; potential UST(s); monitoring well; former monitoring wells; fill; evidence of former chemical use; impacted groundwater; potential ACM and lead paint.
- Site 1314V3-46: Vacant lot. Potential former chemical use.
- Site 1314V3-49: Storage area. Potential UST(s); ASTs; drums; potential former chemical use.
- Site 1314V3-51: Illinois Bell. Former UST with a documented release; potential UST(s); monitoring well; former monitoring wells; evidence of chemical use; potential ACM and lead paint.
- Site 1314V3-56: Commercial building. Former USTs; potential UST(s); potential former chemical use; VOCs; potential ACM and lead paint.
- Site 1314V3-57: Old Chamber Building. Potential former chemical use; transformers; potential ACM and lead paint.
- Site 1314V3-59: Residence. Potential UST; potential ACM and lead paint.
- Site 1314V3-60: Vacant lot. Potential former chemical use.
- Site 1314V3-66: Scottish Rite Masonic Center. Potential UST(s); potential chemical use;

- VOCs; transformers; potential ACM and lead paint.
- Site 1314V3-67: Vacant land. Potential UST(s); potential former chemical use; VOCs.
- Site 1314V3-74: Residence. Former drum; evidence of chemical use; potential ACM and lead paint.
- Site 1314V3-75: Residence. Evidence of chemical use; potential ACM and lead paint.
- Site 1314V3-86: American Rental Association. AST; potential former chemical use; transformer; potential ACM and lead paint.
- Site 1314V3-105: Western Illinois University - Quad Cities campus. Former USTs with a documented release; AST; former ASTs; former drums; former monitoring wells; spill; evidence of former chemical use; fill; impacted soil and groundwater; transformers; natural gas pipeline; potential ACM and lead.
- Site 1314V3-106: Quad City Spring. Potential UST(s); drums; evidence chemical use; transformer; potential ACM and lead paint.
- Site 1314V3-107: Contented Canines. Former USTs; potential UST(s); evidence of former chemical use.; transformer; potential ACM and lead paint.
- Site 1314V3-108: BNSF Railroad. Railroad signal boxes; natural gas pipeline.

(2) De minimis conditions were identified at the following sites along the project:

- Site 1314V3-27: Residence. Potential ACM and lead paint.
- Site 1314V3-29: Residences. Potential ACM and lead paint.
- Site 1314V3-35: Residences. Transformers; potential ACM and lead paint.
- Site 1314V3-37: Bookkeeping Associates. Potential ACM and lead paint.
- Site 1314V3-43: Residences. Transformers; potential ACM and lead paint.
- Site 1314V3-45: Residences. Transformer; potential ACM and lead paint.
- Site 1314V3-47: Residences. Potential ACM and lead paint.
- Site 1314V3-48: Residences. Potential ACM and lead paint.
- Site 1314V3-50: Residence. Potential ACM and lead paint.
- Site 1314V3-52: Amerifiles Taxes. Potential ACM and lead paint.
- Site 1314V3-53: Bethany for Children and Families. Transformers; potential ACM and lead paint.
- Site 1314V3-54: Moline Activity Center. Potential ACM and lead paint.
- Site 1314V3-58: Residence and vacant lot. Potential ACM and lead paint.
- Site 1314V3-61: Residences. Transformer; potential ACM and lead paint.
- Site 1314V3-62: Riverside Dentistry. Transformer; potential ACM and lead paint.
- Site 1314V3-63: First Congressional United Church of Christ. Transformer; potential ACM and lead paint.
- Site 1314V3-64: New Hope Church. Transformer; potential ACM and lead paint.
- Site 1314V3-65: Christ Church Anglican. Transformer; potential ACM and lead paint.
- Site 1314V3-68: Residential buildings. Transformers; potential ACM and lead paint.
- Site 1314V3-70: Silver Oaks. Transformer; potential ACM and lead paint.
- Site 1314V3-73: Residential buildings. Transformers; potential ACM and lead paint.
- Site 1314V3-76: Residences. Transformer; potential ACM and lead paint.
- Site 1314V3-77: Economy Inn. Transformer; potential ACM and lead paint.
- Site 1314V3-79: Residences. Transformers; potential ACM and lead paint.
- Site 1314V3-80: Residential buildings. Transformers; potential ACM and lead paint.
- Site 1314V3-81: Residences. Transformers; potential ACM and lead paint.
- Site 1314V3-83: Residence. Potential ACM and lead paint.
- Site 1314V3-84: Residences and vacant lot. Potential ACM and lead paint.

- Site 1314V3-85: Residential buildings. Natural gas pipeline; potential ACM and lead paint.
- Site 1314V3-88: Residences. Transformer; potential ACM and lead paint.
- Site 1314V3-89: Residences. Transformer; potential ACM and lead paint.
- Site 1314V3-90: Residences. Transformer; potential ACM and lead paint.
- Site 1314V3-91: Residence. Potential ACM and lead paint.
- Site 1314V3-93: New Life Fellowship Church. Transformers; potential ACM and lead paint.
- Site 1314V3-94: Residences. Potential ACM and lead paint.
- Site 1314V3-95: Residences. Potential ACM and lead paint.
- Site 1314V3-97: Residences. Potential ACM and lead paint.
- Site 1314V3-98: Residences. Potential ACM and lead paint.
- Site 1314V3-100: Residences. Transformer; potential ACM and lead paint.
- Site 1314V3-102: Residences. Potential ACM and lead paint.
- Site 1314V3-104: Ben Butterworth Parkway. Transformers.

(3) No RECs or de minimis conditions were identified at the following sites along the project:

- Site 1314V3-3: Vacant lot.
- Site 1314V3-34: Vacant lot.
- Site 1314V3-42: Vacant lot.
- Site 1314V3-44: Vacant lot.
- Site 1314V3-55: Stephens Square.
- Site 1314V3-69: Parking lot.
- Site 1314V3-71: Vacant land.
- Site 1314V3-72: Vacant land.
- Site 1314V3-78: Vacant land.
- Site 1314V3-82: Vacant land.
- Site 1314V3-87: Vacant land.
- Site 1314V3-92: Vacant land.
- Site 1314V3-96: Vacant land.
- Site 1314V3-99: Vacant land.
- Site 1314V3-101: Vacant land.
- Site 1314V3-103: Vacant land.

(4) The following properties were identified that appear on environmental databases and that are adjoining, but not along, the project:

- Site 1314V3-A: Rock Island Arsenal. Active SEMS, RCRA, LUST, UST, BOL.
- Site 1314V3-B: Lundahl Motors Inc. RCRA, BOL, UST.
- Site 1314V3-C: McLaughlin Body Co. UST, BOL.
- Site 1314V3-D: Erickson Tire. UST, BOL.
- Site 1314V3-E: Moline Dispatch Publishing Co. AUL.
- Site 1314V3-F: Kone, Inc. BOL.
- Site 1314V3-G: Snyder General Corp. BOL.
- Site 1314V3-H: Midland Davis Corp. BOL.

(5) According to Flood Insurance Rate maps, the portions of the project area east and west of I-74 between the Mississippi River and 4th Avenue and along 34th Street from the Mississippi River to 4th Avenue are located within the Special Flood Hazard Area (land area subject to inundation by a flood that has a 1% probability of being equaled or exceeded in

any given year) of the Mississippi River. Flooding, standing water, and saturated soils may be encountered in these areas, particularly during periods of high or extended rainfall or spring snowmelt.

- (6) For the purposes of this report, the following are considered to be de minimis conditions:
- Normal use of lead-based paint on exteriors and interiors of buildings and structures.
  - Use of asbestos-containing materials in building construction.
  - Transformers in normal use, unless the transformers were observed to be leaking, appear on an environmental regulatory list, or were otherwise determined to pose a hazard not related to normal use.
  - Agricultural use of pesticides and herbicides. In addition, most land in Illinois was under agricultural use prior to its conversion to residential, industrial, or commercial development. Pesticides, both regulated and otherwise, may have been used throughout the project area at any time. Unless specifically discussed elsewhere in this report, no information regarding past pesticide use that would be subject to enforcement action was located for this project, and such use is considered a de minimis condition.

**ENDORSEMENTS**



**Project Manager:** \_\_\_\_\_  
Clint Beccue

**Date:** September 7, 2016



**Approved:** \_\_\_\_\_  
Mark R. Collier

**Date:** September 7, 2016

**ADDRESS LISTINGS**

The following addresses along the project were evaluated for this project. Addresses of sites, if any, adjoining but not along the project are not listed here; see text for discussion of these sites.

Property name and address	ISGS site #	Parcel #
ROW mile markers 0 to 2.5, Moline	1314V3-1	NA
Mississippi River near I-74 mile marker 1, Moline	1314V3-2	NA
Vacant land near I-74 mile marker 1, Moline	1314V3-3	NA
City of Moline Water Division 30 18th Street, Moline	1314V3-4	NA
Industrial building 1 Kone Court, Moline	1314V3-5	NA
Vacant land 2020 River Drive, Moline	1314V3-6	NA
River Stone Moline Yard 75 23rd Street and 301 River Drive, Moline	1314V3-7	NA
Commercial building 190 22nd Street, Moline	1314V3-8	NA
Parking lot 1800 block of 2nd Avenue, Moline	1314V3-9	NA
Moline Enterprise Lofts 1871 River Drive, Moline	1314V3-10	NA
Vacant land 1900 block of River Drive, Moline	1314V3-11	NA
Electric substation 100 block of 20th Street, Moline	1314V3-12	NA
Speigel Moving and Storage 202 20th Street, Moline	1314V3-13	NA
Vacant lot 2021 River Drive, Moline	1314V3-14	NA
USI Midwest 1800 River Drive, Moline	1314V3-15	NA

Kone, Inc. 325 19th Street, Moline	1314V3-16	NA
Parking lot 300 block of 19th Street, Moline	1314V3-17	NA
Vacant land 1900-2100 blocks of River Drive, Moline	1314V3-18	NA
Vacant lot 2200 block of River Drive, Moline	1314V3-19	NA
River Stone 2361 River Drive, Moline	1314V3-20	NA
BNSF Railroad 1900-2200 blocks of 4th Avenue, Moline	1314V3-21	NA
Parking lot 1800 block of 4th Avenue, Moline	1314V3-22	NA
LeClaire Apartments 421 19th Street, Moline	1314V3-23	NA
John Deere 400 19th Street, Moline	1314V3-24	NA
Sivyer Steel Corp. 400 21st Street, Moline	1314V3-25	NA
Commercial building 2101 5th Avenue, Moline	1314V3-26	NA
Residence 2107 5th Avenue, Moline	1314V3-27	NA
Residential building 2109 5th Avenue, Moline	1314V3-28	NA
Residence 2123 5th Avenue, Moline	1314V3-29	NA
Residence 2125 5th Avenue, Moline	1314V3-29	NA
Residence 2127 5th Avenue, Moline	1314V3-29	NA
Residence 419 22nd Street, Moline	1314V3-29	NA
Sunbelt Rentals 2221 5th Avenue, Moline	1314V3-30	NA



Quick Stop 1830 5th Avenue, Moline	1314V3-31	NA
Commercial buildings 1900 5th Avenue, Moline	1314V3-32	NA
Parking lot 1900 block of 5th Avenue, Moline	1314V3-33	NA
Vacant lot 2000 block of 5th Avenue, Moline	1314V3-34	NA
Residence 2028 5th Avenue, Moline	1314V3-35	NA
Residence 521 22nd Street, Moline	1314V3-35	NA
Brannens Auto Works 2100 5th Avenue, Moline	1314V3-36	NA
Bookkeeping Associates 2130 5th Avenue, Moline	1314V3-37	NA
Dispatch-Argus Newspaper 1727 6th Avenue, Moline	1314V3-38	NA
Fromi Tax Service 1801 6th Avenue, Moline	1314V3-39	NA
Parking lot 1800 block of 6th Avenue, Moline	1314V3-40	NA
La Casa Mexican Grill 525 19th Street, Moline	1314V3-41	NA
Vacant lot 1900 block of 6th Avenue, Moline	1314V3-42	NA
Residence 1921 6th Avenue, Moline	1314V3-43	NA
Residence 1925 6th Avenue, Moline	1314V3-43	NA
Vacant lot 2000 block of 6th Avenue, Moline	1314V3-44	NA
Residence 514 21st Street, Moline	1314V3-45	NA
Residence 516 21st Street, Moline	1314V3-45	NA

Residence 520 21st Street, Moline	1314V3-45	NA
Residence 2111 6th Avenue, Moline	1314V3-45	NA
Vacant lot 2115 6th Avenue, Moline	1314V3-46	NA
Residence 2117 6th Avenue, Moline	1314V3-47	NA
Residence 2121 6th Avenue, Moline	1314V3-47	NA
Residence 2125 6th Avenue, Moline	1314V3-47	NA
Residence 2129 6th Avenue, Moline	1314V3-47	NA
Residence 2203 6th Avenue, Moline	1314V3-48	NA
Residence 2215 6th Avenue, Moline	1314V3-48	NA
Residence 2221 6th Avenue, Moline	1314V3-48	NA
Residence 2223 6th Avenue, Moline	1314V3-48	NA
Storage area 2231 6th Avenue, Moline	1314V3-49	NA
Residence 2301 6th Avenue, Moline	1314V3-50	NA
Illinois Bell 1720 6th Avenue, Moline	1314V3-51	NA
Amerifile Taxes 621 18th Street, Moline	1314V3-52	NA
Bethany for Children and Families 1830 6th Avenue, Moline	1314V3-53	NA
Moline Activity Center 620 18th Street, Moline	1314V3-54	NA
Stephens Square 600 block of 19th Street, Moline	1314V3-55	NA

IL Migrant Council 604A-604B 19th Street, Moline	1314V3-56	NA
AFLAC 606 19th Street, Moline	1314V3-56	NA
Dr. Orme, Chiropractor 610 19th Street, Moline	1314V3-56	NA
Old Chamber Building 622 19th Street, Moline	1314V3-57	NA
Vacant lot 1916 6th Avenue, Moline	1314V3-58	NA
Residence 1918 6th Avenue, Moline	1314V3-58	NA
Residence 1924 6th Avenue, Moline	1314V3-59	NA
Vacant lot 2000 block of 6th Avenue, Moline	1314V3-60	NA
Residence 6040 21st Street, Moline	1314V3-61	NA
Residence 2112 6th Avenue, Moline	1314V3-61	NA
Residence 2114 6th Avenue, Moline	1314V3-61	NA
Residence 2118 6th Avenue, Moline	1314V3-61	NA
Riverside Dentistry 2132 6th Avenue and 609 22nd Street, Moline	1314V3-62	NA
First Congressional United Church of Christ 2201 7th Avenue, Moline	1314V3-63	NA
New Hope Church 2305 7th Avenue, Moline	1314V3-64	NA
Christ Church Anglican 1717 8th Avenue, Moline	1314V3-65	NA
Scottish Rite Masonic Center 1800 7th Avenue, Moline	1314V3-66	NA
Vacant land 700 block of 19th Street, Moline	1314V3-67	NA

Apartment building 2028 7th Avenue, Moline	1314V3-68	NA
Residence 2102 7th Avenue, Moline	1314V3-68	NA
Apartment building 2106 7th Avenue, Moline	1314V3-68	NA
Apartment building 2200 7th Avenue, Moline	1314V3-68	NA
Residence 2214 7th Avenue, Moline	1314V3-68	NA
Residence 2216 7th Avenue, Moline	1314V3-68	NA
Residence 2220 7th Avenue, Moline	1314V3-68	NA
Residence 2107 9th Avenue, Moline	1314V3-68	NA
Residence 716 21st Street, Moline	1314V3-68	NA
Residence 715 22nd Street, Moline	1314V3-68	NA
Residence 703 23rd Street, Moline	1314V3-68	NA
Parking lot 2300 block of 7th Avenue, Moline	1314V3-69	NA
Silver Oaks 824 17th Street, Moline	1314V3-70	NA
Vacant land 1700 block of 9th Avenue, Moline	1314V3-71	NA
Vacant land 1000 block of 19th Street, Moline	1314V3-72	NA
Apartment building 1006 18th Street, Moline	1314V3-73	NA
Apartment building 1015 18th Street, Moline	1314V3-73	NA
Apartment building 1811 11th Avenue, Moline	1314V3-73	NA

Residence 1822 11th Avenue, Moline	1314V3-73	NA
Residence 1811 12th Avenue, Moline	1314V3-73	NA
Residence 1821 11th Avenue, Moline	1314V3-73	NA
Residence 1825 11th Avenue, Moline	1314V3-73	NA
Residence 1904 11th Avenue, Moline	1314V3-74	NA
Residence 1906 11th Avenue, Moline	1314V3-75	NA
Residence 1154 19th Street, Moline	1314V3-76	NA
Residence 1916 11th Avenue, Moline	1314V3-76	NA
Economy Inn 1191 19th Street, Moline	1314V3-77	NA
Vacant land 1200 block of 19th Street, Moline	1314V3-78	NA
Residence 1187 22nd Street, Moline	1314V3-79	NA
Residence 1195 22nd Street, Moline	1314V3-79	NA
Residence 1816 12th Street, Moline	1314V3-80	NA
Residence 1820 12th Street, Moline	1314V3-80	NA
Residence 1824 12th Street, Moline	1314V3-80	NA
Residence 1828 12th Street, Moline	1314V3-80	NA
Apartment building 1832 12th Street, Moline	1314V3-80	NA
Apartment building 1842 13th Avenue, Moline	1314V3-80	NA

Apartment building 1857 14th Avenue, Moline	1314V3-80	NA
Residence 1874 12th Avenue, Moline	1314V3-81	NA
Residence 1876 12th Avenue, Moline	1314V3-81	NA
Residence 1882 12th Avenue, Moline	1314V3-81	NA
Residence 1225 18th Street-C, Moline	1314V3-81	NA
Residence 1874 18th Street-C, Moline	1314V3-81	NA
Vacant land 1200 block of 19th Street, Moline	1314V3-82	NA
Residence 2301 14th Avenue, Moline	1314V3-83	NA
Residence 1890 14th Avenue, Moline	1314V3-84	NA
Residence 1859 16th Avenue, Moline	1314V3-84	NA
Vacant lot 1500 block of I-74, Moline	1314V3-84	NA
Residence 1603 18th Street-C, Moline	1314V3-84	NA
Residence 1607 18th Street-C, Moline	1314V3-84	NA
Residence 1611 18th Street-C, Moline	1314V3-84	NA
Residence 1613 18th Street-C, Moline	1314V3-84	NA
Residence 1617 18th Street-C, Moline	1314V3-84	NA
Residence 1619 18th Street-C, Moline	1314V3-84	NA
Residence 1627 18th Street-C, Moline	1314V3-84	NA

Residence 1631 18th Street-C, Moline	1314V3-84	NA
Residence 1707 18th Street-C, Moline	1314V3-84	NA
Residence 1711 18th Street-C, Moline	1314V3-84	NA
Residence 1719 18th Street-C, Moline	1314V3-84	NA
Residence 1866 17th Avenue, Moline	1314V3-84	NA
Residence 1872 18th Avenue, Moline	1314V3-84	NA
Residence 1875 18th Avenue, Moline	1314V3-84	NA
Apartment building 2104 18th Avenue, Moline	1314V3-85	NA
Residence 1825 23rd Street, Moline	1314V3-85	NA
Residence 1829 23rd Street, Moline	1314V3-85	NA
American Rental Association 1900 19th Street, Moline	1314V3-86	NA
Vacant land 1800-1900 blocks of 18th Street-C, Moline	1314V3-87	NA
Residence 2003 20th Avenue, Moline	1314V3-88	NA
Residence 1893 22nd Avenue, Moline	1314V3-88	NA
Residence 1894 22nd Avenue, Moline	1314V3-88	NA
Residence 1881 23rd Avenue, Moline	1314V3-88	NA
Residence 1885 23rd Avenue, Moline	1314V3-88	NA
Residence 1889 23rd Avenue, Moline	1314V3-88	NA

Residence 1891 23rd Avenue, Moline	1314V3-88	NA
Residence 1893 23rd Avenue, Moline	1314V3-88	NA
Residence 2221 18th Street-C, Moline	1314V3-88	NA
Residence 1944 23rd Street, Moline	1314V3-89	NA
Residence 1946 23rd Street, Moline	1314V3-89	NA
Residence 2315 23rd Avenue, Moline	1314V3-89	NA
Residence 2321 23rd Avenue, Moline	1314V3-89	NA
Residence 2325 23rd Avenue, Moline	1314V3-89	NA
Residence 2328 23rd Avenue, Moline	1314V3-89	NA
Residence 2335 23rd Avenue, Moline	1314V3-89	NA
Residence 2314 18th Street-C, Moline	1314V3-90	NA
Residence 2315 18th Street-C, Moline	1314V3-90	NA
Residence 2313 19th Street, Moline	1314V3-90	NA
Residence 2317 19th Street, Moline	1314V3-90	NA
Residence 2323 19th Street, Moline	1314V3-90	NA
Residence 2325 19th Street, Moline	1314V3-90	NA
Residence 2329 19th Street, Moline	1314V3-90	NA
Residence 2311 23rd Avenue, Moline	1314V3-91	NA



Vacant land 2300 block of 19th Street, Moline	1314V3-92	NA
New Life Fellowship Church 2335-2345 19th Street, Moline	1314V3-93	NA
Residence 1901 Glenwood Drive, Moline	1314V3-94	NA
Residence 2375 19th Street, Moline	1314V3-94	NA
Residence 2407 19th Street, Moline	1314V3-94	NA
Residence 2425 19th Street, Moline	1314V3-94	NA
Residence 2437 19th Street, Moline	1314V3-94	NA
Residence 2441 19th Street, Moline	1314V3-94	NA
Residence 2515 19th Street, Moline	1314V3-94	NA
Residence 2605 19th Street, Moline	1314V3-94	NA
Residence 2611 19th Street, Moline	1314V3-94	NA
Residence 2617 19th Street, Moline	1314V3-94	NA
Residence 1895 24th Avenue Court, Moline	1314V3-94	NA
Residence 2401 24th Avenue, Moline	1314V3-95	NA
Residence 2405 24th Avenue, Moline	1314V3-95	NA
Vacant land 2300 block of 19th Street, Moline	1314V3-96	NA
Residence 2515 19th Street, Moline	1314V3-97	NA
Residence 2540 19th Avenue, Moline	1314V3-97	NA

Residence 2722 25th Avenue, Moline	1314V3-97	NA
Residence 2725 25th Avenue, Moline	1314V3-97	NA
Vacant lot 2800 block of 26th Avenue, Moline	1314V3-97	NA
Residence 2850 26th Avenue, Moline	1314V3-97	NA
Residence 2627 19th Street, Moline	1314V3-98	NA
Residence 2801 19th Street, Moline	1314V3-98	NA
Residence 2803 19th Street, Moline	1314V3-98	NA
Residence 2805 19th Street, Moline	1314V3-98	NA
Residence 2807 19th Street, Moline	1314V3-98	NA
Vacant land 2900 block of 19th Street, Moline	1314V3-99	NA
Residence 2700 30th Street, Moline	1314V3-100	NA
Residence 2704 30th Street, Moline	1314V3-100	NA
Residence 2708 30th Street, Moline	1314V3-100	NA
Residence 2712 30th Street, Moline	1314V3-100	NA
Residence 2800 30th Street, Moline	1314V3-100	NA
Residence 2804 30th Street, Moline	1314V3-100	NA
Residence 2808 30th Street, Moline	1314V3-100	NA
Residence 2902 30th Street, Moline	1314V3-100	NA

Vacant land 2500 block of 26th Avenue, Moline	1314V3-101	NA
Residence 2906 30th Street, Moline	1314V3-102	NA
Residence 2910 30th Street, Moline	1314V3-102	NA
Residence 2914 30th Street, Moline	1314V3-102	NA
Residence 2920 30th Street, Moline	1314V3-102	NA
Residence 2922 30th Street, Moline	1314V3-102	NA
Residence 3002 30th Street, Moline	1314V3-102	NA
Residence 3004 30th Street, Moline	1314V3-102	NA
Vacant land 2500 block of 26th Avenue, Moline	1314V3-103	NA
Ben Butterworth Parkway 3300 block of River Drive, Moline	1314V3-104	NA
Western Illinois University - Quad Cities campus 3300 River Drive, Moline	1314V3-105	NA
Quad City Spring 116 34th Street, Moline	1314V3-106	NA
Contented Canines 120 34th Street, Moline	1314V3-107	NA
BNSF Railroad 3400 block of 4th Avenue, Moline	1314V3-108	NA

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## APPENDIX

## ISGS PRELIMINARY ENVIRONMENTAL SITE ASSESSMENT CHECKLIST

IDOT: P92-032-01 ISGS: 1314V3  
 City: Moline  
 County: Rock Island  
 Location Coordinates: T17N, R1W, Secs. 4, 5, & 9;  
T18N, R1W, Secs.27, 29, and 32-34

IDOT District Contact: \_\_\_\_\_ ISGS Lead: Clint Beccue  
 Name: Mark Nardini  
 Phone: (815) 284-5460

Task	Status*	Date	By
Original Material Copied	MF	42437	BAF
<i>IDOT Project Location Database – (All other projects/IDOT sites in the vicinity of the project)</i>			
▶ Other Preliminary Environmental Site Assessments	MF	7/26/16	CWB
▶ Preliminary Site Investigations/Phase II Reports	MF	7/26/16	CWB
▶ Maintenance Facilities	NF	7/26/16	CWB
▶ Permit-Access Agreements	NF	7/26/16	CWB
▶ Draft Highway Authority Agreements/Highway Authority Agreements	MF	7/26/16	CWB
▶ Miscellaneous Sites	NF	7/26/16	CWB
<i>Local Collections</i>			
▶ County	NF	7/26/16	CWB
▶ City	NF	7/26/16	CWB
<i>Geologic Information</i>			
▶ ISGS Stack-Unit Map (GIS)	MF	7/26/16	CWB
▶ ISGS Glacial Drift in Illinois (GIS)	MF	7/26/16	CWB
▶ ISGS Bedrock Geology of Illinois (GIS)	MF	7/26/16	CWB
▶ USDA NRCS Soil Survey Maps	MF	7/26/16	CWB
▶ USDA NRCS Hydric Soils	NF	7/26/16	CWB
▶ USDA NRCS Prime Farmland Soils	MF	7/26/16	CWB
<i>Hydrogeologic Information (non-CE projects only)</i>			
▶ IEPA Restricted Status List	NF	7/26/16	CWB
▶ USGS-IEPA SWAP-IL Public Water Supplies	MF	7/26/16	CWB
▶ ISGS Wells (GIS)	MF	7/26/16	CWB
▶ ISWS Public Water Supply Surface Water Intakes in Illinois (GIS)	MF	7/26/16	CWB
▶ Potential for Aquifer Contamination Map	MF	7/26/16	CWB
▶ Potential for Aquifer Recharge Map	MF	7/26/16	CWB
▶ Sole Source Aquifer Protection Program	NF	7/26/16	CWB
<i>Hydrogeologic Information (all projects)</i>			
▶ USGS-IEPA SWAP Wellhead Protection	NF	7/26/16	CWB
▶ USGS-IEPA SWAP Fact Sheets /IEPA Well Site Survey Reports	NF	7/26/16	CWB
<i>Historical Records</i>			
▶ Aerial Photographs	MF	7/26/16	CWB
▶ USGS Topographic Maps	MF	7/26/16	CWB
▶ Plat Maps	MF	7/26/16	CWB
▶ Sanborn Fire Insurance Maps: Chadwyck-Healey Inc.	MF	7/26/16	CWB
▶ Sanborn Fire Insurance Maps: University Publications of America	MF	7/26/16	CWB
▶ Sanborn Fire Insurance Maps: Rascher Publishing Company	NA	7/26/16	CWB
▶ City Directories	MF	5/10/16	CWB
▶ Industrial Directories (optional)	NF	7/26/16	CWB
▶ IEPA-ISGS Summary of Former Manufactured Gas Plant Sites (GIS)	NF	7/26/16	CWB
▶ ISGS Draft SEMS Site Coverage (GIS)	MF	7/26/16	CWB
▶ ISGS Draft LUST Site Coverage (GIS)	MF	7/26/16	CWB
▶ ISGS Draft Landfill Site Coverage (GIS)	NF	7/26/16	CWB

Task	Status*	Date	By
<i>Federal Records</i>			
▶ SEMS (NPL, Active, Archived)	MF	9/7/16	CWB
▶ Mercury Site Lists	NF	8/8/16	CWB
▶ RCRA CORRACTS	NF	8/8/16	CWB
▶ RCRA Non-CORRACTS TSD Facilities	NF	8/8/16	CWB
▶ RCRA (Other)	MF	8/22/16	CWB
▶ ERNS	MF	8/8/16	CWB
▶ Brownfields Pilot Sites	MF	8/8/16	CWB
▶ Toxics Release Inventory	MF	8/8/16	CWB
▶ SSTS	NF	8/8/16	CWB
▶ PCB Transformer Registration Database/PCB Activity Quarterly Reports	NF	8/8/16	CWB
<i>USEPA Information Request</i>			
▶ Sent	MF	4/13/16	CWB
▶ Received	MF	5/10/16	CWB
<i>State Records</i>			
▶ IEPA Brownfields	MF	8/8/16	CWB
▶ IEPA Bureau of Land Inventory	MF	9/7/16	CWB
▶ IEPA Illinois Water Quality Reports	MF	8/8/16	CWB
▶ IEPA LUST	MF	9/7/16	CWB
▶ IEPA Site Remediation Program	MF	8/22/16	CWB
▶ OSFM UST	MF	9/7/16	CWB
▶ IEMA non-LUST Incidents/IEPA OER lists	MF	8/8/16	CWB
▶ Activity and Use Limitations (AULs)	MF	8/8/16	CWB
▶ Groundwater Ordinances	MF	8/8/16	CWB
▶ Cook County Bridge List	NA	8/8/16	CWB
▶ IDOT Bridge List	MF	8/8/16	CWB
▶ Landfills (GIS)	NF	8/8/16	CWB
▶ State Underground Injection Control Inventory	NF	8/8/16	CWB
<i>IEPA BOL Information Request</i>			
▶ Sent	MF	5/10/16	CWB
▶ Received	MF	5/12/16	DJA
<i>OSFM Information Request</i>			
▶ Sent	MF	5/25/16	CWB
▶ Received	MF	6/9/16	CWB
<i>Local Records</i>			
▶ Fire Department Records (optional)	MF	7/21/16	CWB
<i>Mining Maps and Publications</i>			
▶ ISGS Quadrangle/County On-Line Coal Maps and Directories	NF	7/26/16	CWB
▶ ISGS Non-Coal Underground Mines	NF	7/26/16	CWB
▶ Lead Mining	NA	7/26/16	CWB
<i>Oil and Gas Information</i>			
▶ ISGS Oil and Gas Fields/Oil Wells (ILOIL GIS)	NF	7/26/16	CWB
▶ USDOT OPS Pipeline Integrity Management Mapping Application	NF	7/26/16	CWB
<i>Natural Hazards</i>			
▶ USGS Seismic Risk Map	NF	7/26/16	CWB
▶ FEMA FIRM Maps	MF	7/26/16	CWB
▶ ISGS Landslide Inventory (GIS)	NF	7/26/16	CWB
▶ Karst Terrains and Carbonate Rocks of Illinois Maps	NF	7/26/16	CWB
▶ USFWS, IDNR, and INHS Illinois Wetlands Inventory (GIS)	MF	7/26/16	CWB

\* MF = Material found within search radius; NF = Nothing found within search radius; NA = Not applicable

Date of Records Review Completion: September 7, 2016

**LIST OF ATTACHMENTS**

1. Project location map, ISGS #1314V3.
2. Site location maps (13 pages).
3. Site 1314V3-2. Location of surface water sample PW-033.
4. Site 1314V3-4. Monitoring well locations and modeled extent of impacted groundwater.
5. Site 1314V3-4. Comprehensive NFR Letter (10 pages).
6. Site 1314V3-6. NFR letter, IEMA #903547.
7. Site 1314V3-6. Estimated extent of impacted groundwater.
8. Site 1314V3-6. Comprehensive NFR letter (8 pages).
9. Site 1314V3-10. Site features and groundwater sampling results.
10. Site 1314V3-10. Comprehensive NFR letter (10 pages).
11. Site 1314V3-20. Estimated and modeled extents of impacted groundwater..
12. Site 1314V3-20. NFR letter, IEMA #980355 (13 pages).
13. Site 1314V3-24. Estimated extent of impacted soil.
14. Site 1314V3-24. Estimated extent of impacted groundwater.
15. Site 1314V3-24. Modeled extent of impacted groundwater.
16. Site 1314V3-24. NFR letter, IEMA #942422 (13 pages).
17. Site 1314V3-30. Modeled extent of impacted groundwater.
18. Site 1314V3-30. Focused NFR letter (11 pages).
19. Site 1314V3-31. Estimated extent of impacted groundwater.
20. Site 1314V3-31. NFR letter, IEMA #20030936 (9 pages).
21. Site 1314V3-20. Monitoring well locations.
22. Site 1314V3-41. Former UST and monitoring well locations.
23. Site 1314V3-41. NFR letter, IEMA #991665 (6 pages).
24. Site 1314V3-51. Former UST and monitoring well locations.

25. Site 1314V3-51. NFR letter, IEMA #902955.
26. Site 1314V3-105. Former UST locations, monitoring well locations, and estimated extent of impacted soil.
27. Site 1314V3-105. Estimated extent of impacted groundwater.
28. Site 1314V3-105. NFR letter, IEMA #913274 (11 pages).