Site Name: Keokuk Prototype Foundry, Keokuk

Brownfield Initial Site Screening (ISS)
Project Manager: Matt Culp
3/6/07

CON 12-15
Doc #14994

☐ **3931 - Phase II Assessment Review - standard**
Phase II submitted as part of standard real estate development, pre-purchase agreement, or other due diligence, not a part of a community grant project, or

☒ **3837 - Phase II Assessment – grant funded**
Phase II submitted as part of an EPA grant funded community-wide or targeted assessment project – see Mel Pins if questions on this determination

Summarize the site history (past usages, past ownerships, wastes, known or suspected contamination pathways such as tanks, septic tank/tile field, lagoon, land applications, S.W. burial, etc)

According to the Phase I prior to the establishment of the foundry operations the site was occupied by a barrel manufacturing company as far back as the 1890s. Keokuk Prototype Foundry was established in 1975 and appears to have operated until 1999. The Phase I identified the following recognized environmental conditions (RECs): Two small (250 gallon) above ground storage tanks (ASTs) that contained phenolic binders for molds, a transformer installed in 1976, solid waste disposal (in fill material), and metal additives storage area. There are foundry sand disposal piles located on the site as well. Suspected contamination pathways include direct exposure to soil, ground water, surface water (Soap Creek runs right next to the site) and sediment.

Briefly describe the site assessment that was conducted (number of borings, monitoring wells, number of samples, depth of soil samples and monitoring wells, analysis, etc.)

Eighteen soil borings were completed to varying depth between 3 feet to 30 feet. Soil samples were collected and field screened with PID to maximum depth of 10 feet. A total of 34 soil samples were collected for laboratory analysis for volatile organic compound (VOCs), semi-volatile organic compounds (SVOCs), eight selected RCRA metals and poly-aromatic hydrocarbons (PAHs). Five soil boring locations were converted to ground water monitoring wells and samples collected for the same list of compounds tested for in soil.

Summarize the findings and conclusions regarding the contaminants found and their extent and concentrations. Relate those values to known criteria such as statewide standards, MCLs, water quality standards, background levels or other benchmarks used to determine site priority.

Results of the Phase II indicate the detection of VOCs in soil but at concentrations below statewide standards. The Phase II, however, identified metals (specifically arsenic and chromium) and five PAH compounds in excess of statewide standards (SWS). Maximum concentrations for arsenic and (total) chromium were 20 PPM and 1,900 PPM respectively. The SWS for arsenic is 1.9 or 19 PPM with background and for chromium it is 210 PPM for chromium (VI) and 97,000 PPM for chromium (III). One sample was collected from the foundry sand pile and determined to have 1,900 PPM of total chromium. No analysis for chromium (VI) in soil was performed.

The five PAH compounds detected in three soil samples at concentrations in excess of the SWS were (benzo(a)anthracene at 13 PPM, benzo(a)pyrene at 11 PPM, benzo(a)fluoranthene at 13 PPM, indeno (1,2,3-cd) pyrene at 3.3 PPM, and dibenzo(a,h) anthracene at 1.3 PPM). Only one of these PAH samples, however, is greater than one order of magnitude above the respective standard, that being benzo(a) pyrene at 3.1 PPM which exceeded the standard of 0.31 PPM.

In ground water the only confirmed contaminant detected above the SWS was lead at 33 PPB and the standard is 15 PPB. Selenium was also detected in a duplicate ground water sample at 63 PPB and the standard is 50 PPB but it was not repeated in the regular sample.

Identify on-site or off-site potential and actual targets (e.g., municipal wells, private wells, drinking water intakes). What is known of the neighboring area, i.e., are there residences, businesses, public use areas, etc.? Are there utility lines that could be impacted by site contaminants? Identify any other use/location issues that deserve consideration.

The nearest two private water wells are both 1,500 feet away (see map). One well is up gradient and completed in bedrock at 200 feet. The other well is cross gradient and completed in bedrock over 250 feet deep. Neither of these private wells is threatened by shallow ground water contamination at this site. The site itself is located immediately south and down gradient of a well-documented contaminated site, the Keokuk Landfill #1. The Landfill site could impact ground water on the subject site; however, no coordinated monitoring has been conducted between these two sites to assess this possibility. A junkyard is located east of the subject site with the potential to contribute to ground water contamination of the subject site. There are no on-site targets as there is no well located on the site, which is on city water.

Rate the site on a scale of 1 to 4, in decreasing order of severity or priority.

Priority 2 is recommended based on following summary discussion.

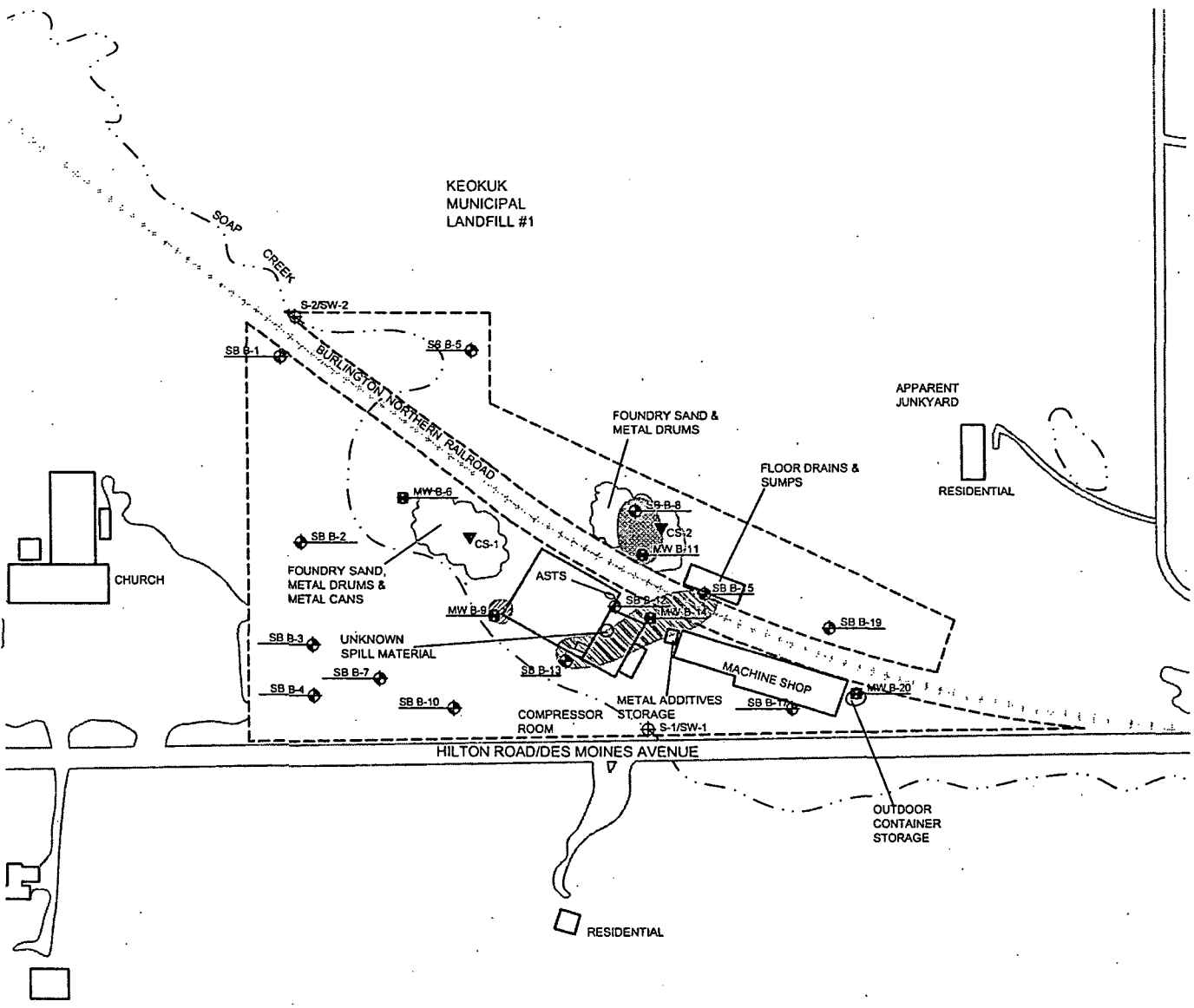
Summarize the reasoning, knowledge or any other information used in determining your recommendation regarding the priority assigned to this site.

Five PAHs were detected slightly above applicable SWS. The detection is in three closely spaced soil samples. Lead was not detected in soil above SWS, but was detected in one ground water sample above SWS. Total chromium was detected in soil but not differentiated by species (VI or III), so no standard can be applied.

The extent of PAH and chromium soil contamination and lead ground water contamination appears limited to on-site (see figure 4 and 5). No metals or PAHs were detected in surface water above the applicable state water quality standard as defined in Chapter 61. Also, no sensitive (ground water) receptors are threatened by ground water contamination as the neighboring church and residences are all on city water.

Additional soil assessment and removal of the foundry sand pile and contaminated soil is being conducted to reduce the source of chromium and PAHs. Additional ground water assessment is also being conducted for chromium for analysis to differentiate for chromium species.

Form Reviewed: _____ **Date Reviewed:** 4/4/07



Monitoring Well
Soil Boring
Stream Sediment/Surface Water Samples
Composit Foundry Sand Samples
Stream
Stockpiled Foundry Sand
Approximate Site Boundary
Affected Soil - PAHs
Affected Soil - ARSENIC
Affected Soil - CHROMIUM

N

125' 250'
OXIMATE SCALE

RAM DRAFTED BY OTHERS.
FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES.

AFFECTED AREAS - SOIL
PHASE II ENVIRONMENTAL SITE ASSESSMENT
KEOKUK PROTOTYPE FOUNDRY
1470 HILTON ROAD
KEOKUK, IOWA

Project Mngr: JFB	Terracon	Project #	07057001
Drawn By: SLM		Scale:	AS SHOWN
Checked By: JDW	870 40th Avenue Bettendorf, Iowa 52722	Date:	NOV 27, 2006
Approved By: JFB		Revised By:	DAC
File Name: 07057001.3-AffectedAreas.dwg		Figure #	4

Appendix B
Appendix C
Appendix D

Keokuk
Prototype Foundry

N
W E
S

- LUST sites
- UST Sites
- Geologic_sampling_points.shp
- User.shp
- Muniwu
- Municipal wells

Source Water Protection Area

- 2-year
- 5-year
- 10-year
- 2500-foot
- 1-mile
- primary protection area
- surface runoff area
- hydrologic boundary
- County

0.7 0 0.7 1.4 Miles

PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: matt Culp (Name/Title) 3/26/07 (Date)
502 east 9th street (Address) 1-515-242-5087 (Phone)
matt.culp@dnr.state.ia.us (E-mail Address)

Site Name: Keokuk Prototype Foundry

Previous Names (if any): none

Site Location: 1470 Hilton Road
Keokuk (City) IA (ST) 52632 (Zip)

Latitude: 40.3964 **Longitude:** 91.4096

Compare the following checklist. If "yes" is marked, please explain below.	YES	NO
1. Does the site already appear in CERCLIS?	☐	☒
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	☐	☒
3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	☐	☒
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	☐	☒
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	☐	☒
7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	☐	☒
8. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance release have occurred, EPA approved risk assessment completed)?	☐	☒

Please explain all "yes" answer(s), attach additional sheets if necessary:

NA

Site Determination:

☐ Enter the site into CERCLIS. Further assessment is recommended (Explain below).

☐ The site is not recommended for placement into CERCLIS (Explain below).

☒ Further assessment is recommended under PRE-CERCLA (Explain below).

DECISION/DISCUSSION/RATIONALE:

The site is conducting further assessment of soil and ground water for chromium speciation to determine which standard should be applied and to determine extent of PAHs initially identifed in soil during the Phase II.

Regional EPA Reviewer:

Print Name/Signature — Date

State Agency/Tribe:

Cal Lundberg — 4/4/07

Print Name/Signature — Date

United States
EPA ENVIRONMENTAL PROTECTION AGENCY
Washington, DC 20460

Form Approved.
OMB No. 2050-0192
Expires 08-31-2006

PROPERTY PROFILE FORM
Iowa Brownfields

Public reporting burden for this collection of information is estimated to average 1.25 hours per response, including the time for reviewing instructions, searching data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing this burden, to the Environmental Protection Agency, Office of Environmental Information, Code 2822T, Washington, DC 20460 and to the Paperwork Reduction Project, Office of Management and Budget, Washington, DC 20503. DO NOT RETURN your form to either of these addresses. Send your completed form to the address provided by the issuing office.

PART I – GRANT RECIPIENT INFORMATION

1a. Grant Recipient Name

1b. Site Name Keokuk Prototype Foundry

2a. Grant Number BF-98747801

2b. Activity Code 3837

PART II – PROPERTY INFORMATION

3. Property Background Information

3a. Current Owner	**3b.** Property Name (if different from site name)
Keokuk Prototype	NA

3c. Street Address
1470 Hilton Rd.

3d. City	**3e.** State	**3f.** Zip Code	**3g.** Size (in acres)
Keokuk	IA	52632	14

4. Property Geographic Information
(EPA Headquarters, or its contractors, will provide lat/long information if grant recipients are unable.)

4a. Latitude	**4b.** Longitude
40.3964	91.4096
4c. Horizontal Collection Method NA	**4d.** Source Map Scale Number (only if a map/photo was used) NA
4e. Reference Point na	**4f.** Parcel Number(s) na

5. Property History Information

5a. Property Description / History / Past Ownership
According to the Phase I prior to the establishment of the foundry operations the site was occupied by a barrel manufacturing company as far back as the 1890s. Keokuk Prototype Foundry was established in 1975 and appears to have operated until 1999. The Phase I identified the following recognized environmental conditions (RECs): Two small (250 gallon) above ground storage tanks (ASTs) that contained phenolic binders for molds, a transformer installed in 1976, solid waste disposal (in fill material), and metal additives storage area. There are foundry sand disposal piles located on the site as well. Suspected contamination pathways include direct exposure to soil, ground water, surface water (Soap Creek runs right next to the site) and sediment. The site has two buildings along a railroad track/

5b. Current Use(s)
inactive

PART III – ENVIRONMENTAL ASSESSMENT INFORMATION (optional for cleanup and RLF grant recipients)

6. Environmental Assessment Activity Information (use mm/dd/yyyy format)

6a. Phase I (preliminary assessment / all appropriate inquiry) Report Completion Date(s)	**6b.** Phase II (supplemental assessment) Report Completion Date(s)	**6c.** Phase III (cleanup planning) Report Completion Date(s)
11/14/05	1/10/07	NA

7. Environmental Assessment Findings

7a. Classes of Contaminants Found (check all that apply)

- ☐ Petroleum / Petroleum Products
- ☐ Controlled Substances
- ☐ Asbestos
- ☐ PCBs
- ☐ VOCs
- ☒ Lead
- ☒ Other Metals
- ☐ PAHs
- ☒ Other (describe) PAHs

7b. Media Affected (check all that apply)

- ☒ Soil
- ☐ Air
- ☐ Surface Water
- ☒ Ground Water
- ☐ Drinking Water
- ☐ Sediments
- ☐ Unknown

7c. Cleanup Required

- ☐ Yes
- ☐ No
- ☐ Unknown

8. Environmental Assessment Funding Information

Table A – Funds Used to Perform Assessment Activities

Source	Amount	Source	Amount
8a. US EPA – Brownfields Assessment Grant		**8d.** Local Funding	
8b. Other Federal Funding		**8e.** Private Funding	
8c. State / Tribal Funding		**8f.** Other Funding	

PART IV – REPORT SUMMARY

9a. Briefly describe the site assessment that was conducted (number of borings, monitoring wells, number of samples, depth of soil samples and monitoring wells, analysis, etc.)

Eighteen soil borings were completed to varying depth between 3 feet to 30 feet. Soil samples were collected and field screened with PID to maximum depth of 10 feet. A total of 34 soil samples were collected for laboratory analysis for volatile organic compound (VOCs), semi-volatile organic compounds (SVOCs), eight selected (RCRA) metals and poly-aromatic hydrocarbons (PAHs). Five soil boring locations were converted to ground water monitoring wells and samples collected for the same list of compounds tested for in soil.

9b. Summarize the findings and conclusions regarding the contaminants detected and their extent and concentrations. Relate these values to known criteria such as MCLs, statewide standards, water quality standards, background levels or other benchmarks used to determine site priority

Results of the Phase II indicate the detection of VOCs in soil but at concentrations below statewide standards. The Phase II, however, identified metals (specifically arsenic and chromium) and five PAH compounds in excess of statewide standards (SWS). Maximum concentrations for arsenic and (total) chromium were 20 PPM and 1,900 PPM respectively. The SWS for arsenic is 1.9 or 19 PPM with background and for chromium it is 210 PPM for chromium (VI) and 97,000 PPM for chromium (III). One sample was collected from the foundry sand pile and determined to have 1,900 PPM of total chromium. No analysis for chromium (VI) in soil was performed.

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In ground water the only confirmed contaminant detected above the SWS was lead at 33 PPB and the standard is 15

PPB. Selenium was also detected in a duplicate ground water sample at 63 PPB and the standard is 50 PPB but it was not repeated in the regular sample.

9c. Rate the site on a scale of 1 to 4, in decreasing order severity (1 being the most severe) 2

9d. Summarize the reasoning, knowledge or any other information used in determining your recommendation regarding the priority assigned to this site

Five PAHs were detected slightly above applicable SWS. The detection is in three closely spaced soil samples. Lead was not detected in soil above SWS, but was detected in one ground water sample above SWS. Total chromium was detected in soil but not differentiated by species (VI or III), so no standard can be applied.

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Additional soil assessment and removal of foundry sand pile and contaminated soil to reduce the source of chromium and PAHs is recommended. The IDNR also recommend additional ground water assessment for chromium for analysis to differentiate for chromium species.

9e. Photographs Available	**9f.** Video Available
☒ Yes ☐ No	☐ Yes ☒ No

PART V - APPROVALS

10. Grant Recipient Project Manager

Name	Signature	Date

11. US EPA Regional Representative

Name	Signature	Date

REGION VII
U.S. ENVIRONMENTAL PROTECTION AGENCY

ENFORCEMENT SENSITIVE INFORMATION
FOR INTERNAL USE ONLY

LOCATION FORM - *(Required information highlighted in red)*

SITE NAME: Keokuk Prototype Foundry **EPA ID:** _____

Latitude: 40..3964 **Longitude:** 91.4096 **Measurement Sequence:** _____
(Decimal Decree format) (See Comment A)

Lat/Long Source:
☐ Contractor ☐ Dun & Bradstreet ☐ EPA Region 7 ☐ Geograph ☐ Other Federal Agency ☐ Regulated Entity ☒ State
☐ EPA Headquarters ☐ Epic ☐ Other ☐ Private ☐ SNAP ☐ Tribe ☐ Unknown
☐ (Blank)

Designate Lat/Long: ☐ Primary

Collection Method:
☐ Address Matching -House Number ☐ Address Matching - Block Face ☐ Address Matching - Street Centerline
☐ Address Matching -Nearest Intersection ☐ Address Matching - Primary Name ☐ Address Matching - Digitized
☐ Address Matching - Other ☐ Census Block - 1990 - Centroid ☐ Census Block/Group 1990-Centroid
☐ Census Block/Tract - 1990 - Centroid ☐ Classical Surveying Techniques ☐ Census - Other
☐ GPS Carrier Phase Static Relative Position ☐ GPS Carrier Phase Kinematic Relative Position ☐ GPS, with Canadian Active Control System
☐ GPS Code (Pseudo Range) Differential ☐ GPS Code (Pseudo Range) Precise Position ☐ GPS Code (Pseudo Range) Standard Position (SA-Off)
☐ GPS Code (Pseudo Range) Standard Position Service SA-On ☐ GPS-Unspecified ☐ Interpolation-Digital Map Source (TIGER)
☐ Interpolation-Map ☐ Interpolation -MSS ☐ Interpolation –Photo ☐ Interpolation - Satellite ☐ Interpolation - SPOT
☐ Interpolation-TM ☐ Interpolation – Other ☐ LORAN C ☐ Public Land Survey-Eighth Section ☐ Public Land Survey-Footing
☐ Public Land Survey-Quarter Section ☐ Public Land Survey-Section ☐ Public Land Survey-Sixteenth Section
☐ ZIP+2 Centroid ☐ ZIP+4 Centroid ☐ ZIP Code - Centroid ☐ (Blank) ☒ Unknown

---

Reference Point:
☐ Administrative Building ☐ Air Monitoring Station ☐ Air Release Stack ☐ Air Release Vent
☐ Atmos. Emissions Trtmnt Unit ☐ Boundary Point ☐ Building Entrance ☐ Facility/Centroid Cent ☐ Facility/Station Bldg Entrance
☐ Intake Point ☐ Lagoon or Settling Pond ☐ Liquid Waste Treatment Unit ☐ Loading Area Centroid ☐ Loading Facility
☐ Monitoring Point ☐ NE Corner of Land Parcel ☐ NW Corner of Land Parcel ☐ Other ☐ Plant Entrance (Freight)
☐ Plant Entrance (General) ☐ Plant Entrance (Personnel) ☐ Process Unit Area Centroid ☐ Process Unit ☐ SE Corner of Land Parcel
☐ Solid Waste Storage Area ☐ Solid Waste Trtmnt/Disp. Unit ☐ Storage Tank ☐ SW Corner of Land Parcel ☒ Unknown
☐ Water Monitoring Station ☐ Water Release Pipe ☐ Well ☐ Well Protection Area ☐ (Blank) ☐ Release Point ☐ Treatment/Storage Plant

---

Reference Datum: ☐ NAD27 ☐ NAD83 ☒ Other ☐ Unknown ☐ WGS84 ☐ (Blank)

Accuracy Meters +/-: _____ **Collection Date:** _____/_____/_____

Verification Method:
☐ Ground Truth Conducted ☐ Point In Polygon (County) ☐ Blank
☐ Point in Polygon (Zip) ☐ Proximity to Alternative Facility Coordinate) ☒ Not Verified
☐ Proximity to Polygon Centroid(Other) ☐ Proximity to Polygon Centroid (Zip Code)
☐ Verified Relative to Map Features (1:100K/Tiger) ☐ Verified Relative to Map Features (1:24K)
☐ Verified Relative to Map Features (Other) ☐ Verified, Unknown Method
☐ Proximity to Polygon Centroid (County) ☐ Point in Polygon (Other)

Point/ Line/ Area: ☐ AREA ☐ LINE ☒ POINT ☐ REGION ☐ ROUTE ☐ (BLANK)

Source Map Scale:
☐ (BLANK) ☐ 1:10,000 ☐ 1:12,000 ☐ 1:15,840 ☐ 1;20,000 ☐ 1:24.000 ☐ 1:25,000 ☐ 1:50,000
☐ 1:62,500 ☐ 1:63,360 ☐ 1:100,000 ☐ 1:125,000 ☐ 1:250,000 ☐ 1:500,000 ☐ NONE ☐ UNKNOWN
☐ OTHER_____

COMMENTS:_____

Signatures:

RPM/OSC:_____ **Date:**____/____/____ **BRANCH CHIEF:**_____ **Date:**____/____/____

A) A sequential number to indicate the order in which points on a line or area are connected. For an area, the maximum point is connected to the first. Required if the feature is polygonal or linear. 3 numeric.

Updated by System Research Group

REGION VII U.S. EPA SUPERFUND

SITE DISCOVERY ENTRY FORM

Discovery Lead *(choose one)*:

Discovery Date: 3/6/07 ☒ F-EPA Fund Fin ☐ S-State Fund Fin ☐ FF-Fed Fac ☐ EP-EPA-In-house ☐ TR Tribal Lead - Fund Fin

Removal **Check if,** ☐ FUD Site

Site Name: Keokuk Prototype Foundry **Initiated Date** 3/6/07 **Identified By:** ☐ Removal ☒ Site Assessment ☐ States

☐ Fed. Facilities ☐ Other Fed. Agency

Address: 1470 Hilton Road County Name: Lee

City, State, Zip: Keokuk, IA 52632 State ID (if one exists):____ Congressional District:

NPL Status: ☐ Currently on the Final NPL ☒ Not on the NPL ☐ Deleted on the final NPL ☐ Pre-Proposal Site ☐ Site is Part of NPL Site
☐ Proposed for NPL ☐ Removed from Proposed NPL ☐ Withdrawn

Section: ☐ C-(STAR) SPFD Technical Assistannce/Re-Use Branch ☐ L-(EFLR) Enfr/Fund Lead RV Branch **Fed Fac Ind:** ☐ Federal Facility
☐ F-(FFSE) Federal Facilities/Apecial Emphasis Brnach ☐ M-(MOKS) MO/KS Remedial Branch ☐ Not a Federal Facility
☒ I-(IANE) IA/NE Remedial Branch ☐ O-(ER&R) Emergency Response & RV Branch ☐ Status Undetermined

List Site Alias Name (s): none

Directions to Site: From Interstate 80 travel east to highway 218 and 61 south. Once in Keokuk turn east on Hilton Road. The site is locationon the north side of the road.

Site Description: Two buildings located along a railroad line

Site Size: 14

Site Dimension: ☒ Acres ☐ Square Feet ☐ Feet ☐ Square Miles ☐ Miles

USGS Quadrant: Keokuk USGS Hydro Unit: ____

Latitude:40. 3964 **Longitude:** 91.4096
(Decimal Degree format/with release of 3.17 see attached required location data form)

Owner Operator Type
☐ Bank/Loan Company ☐ Indian Lands
☐ County Owned ☐ Other
☐ District Owned ☒ Private
☐ Federally Owned ☐ Mixed Ownership
☐ Former Federally Owned or Operated ☐ State Owned
☐ Government Owned/Contractor Operated ☐ Trustee, Federal
☐ Privately Owned/Government Operated ☐ Trustee, State
☐ Property Defaulted Back to Government
☐ Municipality

Operational Status: ☐ Active ☒ Inactive ☐ Unknown

Non-NPL Status (Choose one):
☐ Addressed as part of NPL site (AX)
☐ Combined PA/SI Ongoing (CO)
☐ Deferral of NPL Listing Dec. While States Oversee Resp. (SD)
☐ ESI Ongoing (EO)
☐ ESI Start Needed (ES)
☐ Fed Fac ESI Review Start Needed(FE)
☐ Fed Fac Prelim Assessment Rev Ongoing (PG)
☐ Fed Fac Prelim Assessment Rev Start Needed(PN)
☐ Fed Fac Site Inspection Rev Ongoing (FG)
☐ Fed Fac Site Inspection Rev Start Needed (FS)
☐ HRS Ongoing (HO)
☐ HRS Package Completed-Further Eval. Needed (HN)
☐ HRS Start Needed (HS)
☐ Integrated ESI RI Ongoing (IO)
☐ Integrated ESI/RI Start Needed (IS)
☐ Integrated Removal/Remedial Eval Ongoing (IN)
☐ Integrated Removal/Remedial Eval Start Needed (IR)
☐ NFRAP (NF)
☐ Other Cleanup Activity: Fed Fac-lead Cleanup (OF)
☐ Other Cleanup Activity: Private Party-Lead Cleanup(OP)
☐ Other Cleanup Activity: State-Lead Cleanup (OS)
☐ Other Cleanup Activity: Tribal-lead Cleanup (OT)
☐ PA Ongoing (PO)
☐ PA Start Needed (PS)
☐ Ref to Rvl-Further Assess Needed (RW)
☐ Referred to Rvl - NFRAP (RR)
☐ Removal Only Site (No Site Assess Work) (RO)
☐ SI Ongoing (SO)
☐ SI Start Needed (SS)
☐ SIP Ongoing (SG)
☐ SIP Start Needed (SN)
☐ Site Reassessment Ongoing (SR)
☒ Status Not Specified (SX)
☐ Site Reassessment Start Needed (RN)

Site Type: (Choose all that apply - for every main category chosen in bold at least one sub-category must be selected; if more than one main and sub category is selected indicate which is primary):
Primary designation: OT

☐ **MP-Manufacturing/Processing/Maintenance** - *Applicable sub-categories:*
- ☐ CA-Chemicals and allied products
- ☐ CG-Coal gasification
- ☐ CP-Coke production

☐ EP-Electric power generation and distribution.
- ☐ EE-Electronic/electrical equipment
- ☐ FT-Fabrics/textiles
- ☐ WP-Lumber and wood products/wood preserving/treatment
- ☐ MF-Metal fabrication/finishing/coating and allied industries
- ☐ OR-Oil and gas refining
- ☐ OP-Ordnance production
- ☐ PR-Plastics and rubber products
- ☐ PM-Primary metals/mineral processing
- ☐ RA-Radioactive products
- ☐ TA -Tanneries ☐ OT-Other-Description(needed):____
- ☐ TS-Trucks/ships/trains/aircraft and related components

☐ **MI-Mining** - *Applicable sub-categories*
- ☐ CO-Coal ☐ ME-Metals ☐ NM-Non-metal minerals
- ☐ OG-Oil and Gas ☐ OT-Other-Description(needed):____

☐ **WM-Waste Management** - *Applicable sub-categories*
- ☐ CL-Co-disposal landfill (municipal and industrial)
- ☐ ID-Illegal disposal/open dump
- ☐ IF-Industrial waste facility (non-generator)
- ☐ IL-Industrial waste landfill
- ☐ MD-Mine tailings disposal ☐ OT-Other-Desc.(needed):____
- ☐ RW-Radioactive waste treatment, storage, disposal (non-generator)

☒ **OT-Other** - *Applicable sub-categories*
- ☐ AG-Agricultural (e.g., grain elevator)
- ☐ CS-Contaminated sediment site with no identifiable source
- ☐ DC-Dust control ☒ OT-Other-Desc.(needed):foundry
- ☐ GP-Ground water plume site with no identifiable source
- ☐ MO-Military/Other Ordinance
- ☐ PS-Product storage/distribution
- ☐ RD-Research, development, and testing facility
- ☐ RC-Retail/commercial
- ☐ SE-Spill or other one-time event
- ☐ TP-Transportation (e.g., railroad yards, airport, barge docking, site)
- ☐ TW-Treatment works/septic tanks/other sewage treatment

☐ **RE-Recycling** - *Applicable sub-categories*
- ☐ AT-Automobiles/tires ☐ DT-Drums/tanks ☐ WO-Waste/used oil
- ☐ BS-Batteries/scrap metals/secondary smelting/precious metal recovery
- ☐ CC-Chemicals/chemical waste (e.g., solvent recovery)
- ☐ OT- Other-Description (needed):____

Signatures:

(NOTE: Data analysts will send form to Records Center after data entry and QA.)

Updated by System Research Group
17FEB 05

State: Cal Sundberg Date: 4/4/07 RPM/OSC/SAM: _____ Date: ___/___/___