Site Name: Sioux Rapids PCE, Sioux Rapids

Initial Site Screening (ISS)

CON 12-15
Doc #29736

Project Manager: Hylton Jackson

Date: 6/4/2014

☐ **3931 - Phase II Assessment Review – Brownfield Funded**
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 – Brownfield 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, or

☒ **3321 - Phase II Assessment Review – CERCLA Pre-Remedial Funded**
Phase II submitted that is not part of a real estate transaction

Location:

Latitude: 42.8960 *Longitude:* 95.1514 ***County**:* Buena Vista
(Decimal Degree format)

***USGS Quadrant:* Sioux Rapids 7.5'**

***Site Size:* 5**

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

Site Alias Name(s): _____

***Congressional District:* 4**

Current Owner & Address:
City of Sioux Rapids
206 2nd Street
Sioux Rapids, IA 50585

Responsible Party Name(s) & Address, if different from current owner:
Unknown

Site Street Address or Tier, Range, Section & Subsections (if street address is unknown)
City Well # 2
100 Park Street
Sioux Rapids, IA 50585

Directions to site:
From Highway 71/10 on the northwest side of Sioux Rapids, turn east on Park Street, proceed 400 feet. Turn left at the intersection of Park Street and 1st Street into the Sioux City Park/Water Treatment Plant and arrive at site.

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)
Sioux Rapids' Municipal Water Supply Wells (Well #1 and Well # 2) are located on the northern edge of Sioux Rapids in the City Park. The active well, Well # 2 – 54 feet bgs, is located 325 feet south of the Little Sioux River. The inactive well, Well # 1 – 28 feet bgs, is located 80 feet south of Well # 2. On August 22, 2013 routine sampling of Sioux Rapids' Municipal Water Supply Well # 2 detected a concentration of PCE at 2.8 ug/L in the sample. This was a first-time detection of this contaminant in the water supply. Follow-up sampling in March and April of 2014 detected a PCE concentration of 2.5 ug/L during each event.

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.)
The Contaminated Sites Section of the IDNR was notified of the condition on April 28, 2014. The site was assigned on May 9, 2014 and visited on May 27, 2014. At that time, water samples were collected from City Well # 2, City Well # 1, a water production well for Nelson Products located at 100 Front Street, and a water production well for a local car wash located west of Highway 71/10. Each water sample was submitted for laboratory analysis (Method 524.2) for VOCs.

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.
PCE was detected in the water sample from City Well # 2 at a concentration of 3 ug/L. The MCL for PCE is 5 ug/L. No contamination was detected in any of the other three water production wells (City Well #1, NP Well, and Car Wash Well).

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.
Two former dry cleaning businesses were located within 1,000 feet up gradient of the well, but the source of the PCE contamination in Well # 2 has not been identified and the extent of the groundwater contamination is unknown.

Rate the site on a scale of 1 to 4, in decreasing order of severity or priority.
2

Summarize the reasoning, knowledge or any other information used in determining your recommendation regarding the priority assigned to this site.
PCE continues to be detected in Well # 2 at concentrations that are about half of the allowable (5 ug/L) MCL. This well is the sole source of water for the community of 800. City Well # 1, while still present, is not in useable condition and is not a viable water supply option. The source of the contaminated groundwater plume has not been determined. During the May 27 well sampling event, 14 potential groundwater sampling points (DNR1 through DNR14) were identified and the utility locates have been completed. Additional site assessment activities will be conducted under CERCLA. The groundwater sampling is scheduled to begin on June 9th and 10th, 2014.

Site recommended for:

- ☐ No further action
- ☐ Additional investigation under state program (activity code 2824)
- ☒ Additional investigation under CERCLA (Extended Site Screening)
- ☐ Transfer to LUST/UST

Form Reviewed: Cal Lundberg **Date Reviewed:** 6/18/14

Revised 11/2012

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: Hylton Jackson, Environmental Specialist (Name/Title) 6/4/2014 (Date)
502 East 9th Street, Des Moines, IA 50319 (Address) 515 242 5084 (Phone)
Hylton.Jackson@dnr.iowa.gov (E-mail Address)

Site Name: Sioux Rapids PCE, Sioux Rapids

Previous Names (if any):

Site Location: 100 Park Street
Sioux Rapids (City) IA (ST) 50585 (Zip)

Latitude: 42.8960 **Longitude:** 95.1514

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:

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:
PCE continues to be detected in Well # 2 at concentrations that are about half of the allowable (5 ug/L) MCL. This well is the sole source of water for the community of 800. City Well # 1, while still present, is not in useable condition and is not a viable water supply option. The source of the contaminated groundwater plume has not been determined. During the May 27 well sampling event, 14 potential groundwater sampling points (DNR1 through DNR14) were identified and the utility locates have been completed. Additional site assessment activities will be conducted under CERCLA. The groundwater sampling is scheduled to begin on June 9th and 10th, 2014.

Regional EPA Reviewer:

Print Name/Signature | Date

State Agency/Tribe: CAL LUNDBERG | 6/18/14

Print 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: Sioux Rapids PCE, Sioux Rapids **EPA ID:** _____

Latitude: 42.8960 **Longitude:** 95.1514 **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 ☐ NPL Coordinate

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
- ☐ 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
- ☐ Release Point
- ☐ Treatment/Storage Plant

Reference Datum: ☒ NAD27 ☐ NAD83 ☐ Other ☐ Unknown ☐ WGS84

Accuracy Meters +/-: _____ ☒ **Accuracy Unknown** **Collection Date:** 6/4/2014

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

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

Source Map Scale: ☐ 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:_____

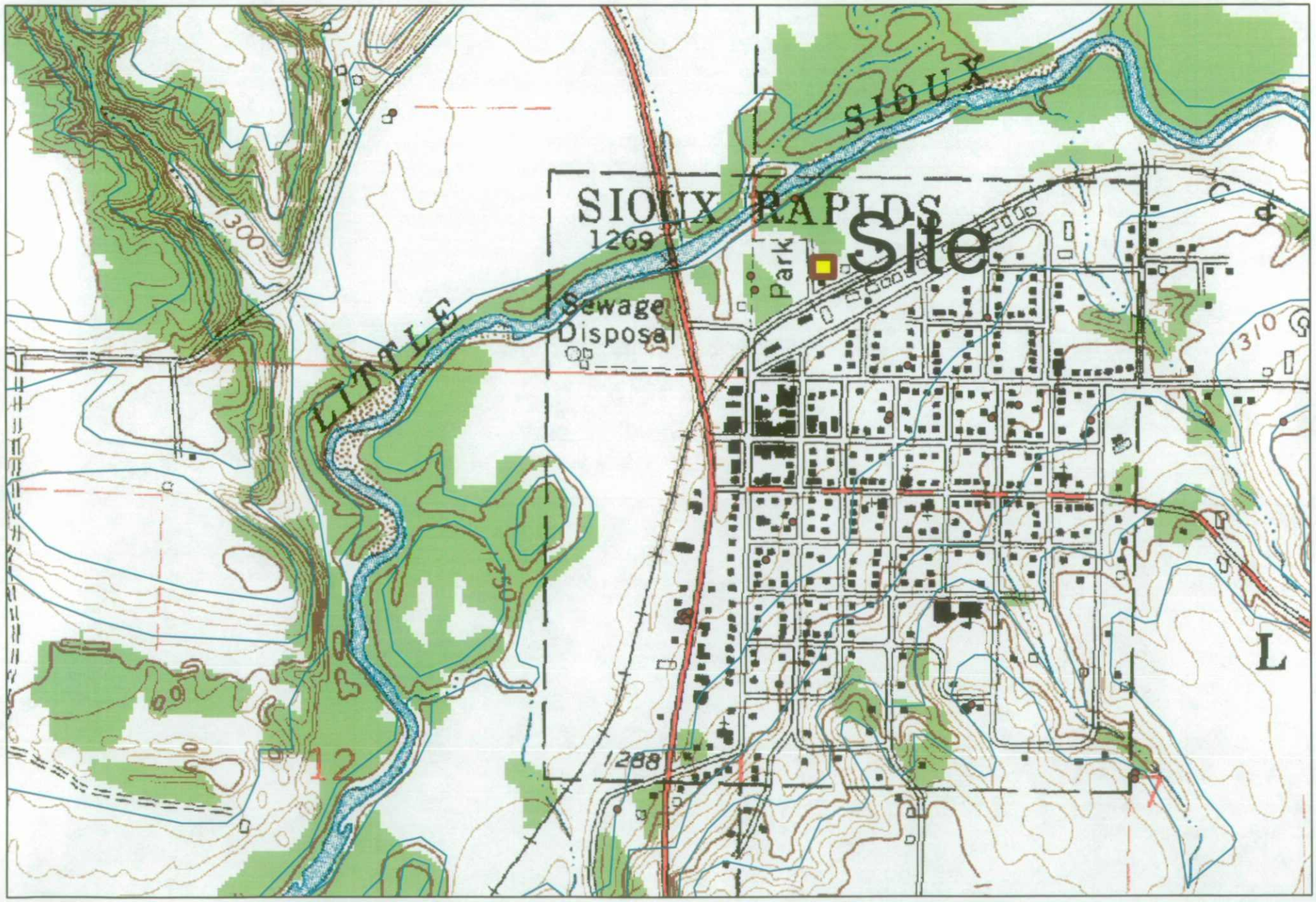
Signatures:

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: The Newberry Group, Inc.
Last Update: 01/08/2008

Sioux Rapids PCE




DNR1
DNR2
City Well 2
City Well 1
DNR3
DNR4
DNR5
DNR6
DNR7
DNR8
NP Well
DNR10
DNR9
DNR12
DNR11
car wash
Sioux Rapids, IA 50585, USA
DNR13
DNR14
Main St
Blake St
Front St
Blair St
Beech St
1st St
2nd St
3rd St
4th St
10
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Google
1990
Imagery Date: 9/22/2012 42°53'40.05" N 95°09'02.62" W elev 1259 ft eye alt