



Site
Investigation
Report
Review

SIRR Report
for
Unassigned Uncontrolled Sites

SIRR ID P35-0001
Site Name SHEFFIELD COOP
City Location Sheffield
Site Type Property Audit
County Franklin

Screening Activity Extended Site Screening

~~CON 12-15
Doc #12183~~

SITE INFORMATION

Property Owner Sheffield Farmers Cooperative

Mailing Address East Facility

205 East Gilman
Sheffield, Iowa 50475

West Facility
County Road 13, Sheffield,
IA 50475

Location/Legal Description The east facility is located within SW1/4 of the SE1/4 of Section 4, T93N, R20W in the Franklin County, Iowa.
The west facility is located within NW1/4 of the SE1/4 of Section 5, T93N, R20W in the Franklin County, Iowa. The west facility is situated on County Road 13, approximately one mile west of the east facility.

Size Of Property Undetermined


Report Prepared By Terracon, Des Moines; Barker, Lemar & Associates Date Report Submitted 07/28/2000

Report Submitted By Barker, Lemar, & Associates Current Usage Agriculture

REPORT INFORMATION SUMMARY

I. Summarize the data submitted (no., type, depth of soil borings, surface samples, ground water samples, other sampling conducted, analyses performed, contamination identified, etc.)

Soil samples were collected from seventeen soil borings, B-1 through B-10 and B-12 through B-16 at the east facility and borings B-19 through B-21 at the west facility. The soil borings were completed to depths varying from 3 to 16 feet. Groundwater samples were collected from borings B-5, B-6 and B-12 advanced at the east facility for analysis of agricultural chemicals including alachlor (lasso), atrazine, butylate (Sutan), chlorpyrifos (Dursban), cyanazine (Bladex), ethalfluralin (Sonolan), metribuzin (Sencor), ethyl parathion, pendimethalin (Prowl), metolachlor (Dual) and trifluralin (Treflan). Volatile

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organic compounds (VOCs) and semi-VOCs analyses were performed on samples from borings B-11, B-17 and B-18 at the east facility and boring B-18 at the west facility. RCRA metal analysis was performed on the sample from boring B-18 at the east facility. Groundwater samples were collected for petroleum hydrocarbons analysis from borings B-1, B-3, B-14, B-15 and B-16 advanced at the east facility. Ammonia and nitrate nitrogen were analyzed in samples from B-1, B-3, B-5, B-6, B-12 and B-15 advanced at the east facility and B-19 and B-20 advanced at the west facility.

Measured concentrations of total extractable hydrocarbons (TEH) as diesel were above the IDNR LUST action level of 1,200 ug/L in samples from B-14 and B-16. Highest concentrations of ammonia and nitrate at 28 and 57ug/L, respectively, were observed in boring B-15. Highest levels of alachlor (Lasso) at 96 ug/L, cyanazine (Bladex) at 12 ug/L and metolachlor (Dual) at 580 ug/L were observed at boring B-6.

A SITE ASSESSMENT WAS PERFORMED IN JUNE 2001 TO SUPPLY INFORMATION FOR THE "ESS" PORTION OF THIS REPORT

03/26/2002 Six additional soil borings and four monitoring wells were sampled at the site. The first two soil borings were on the north end of the property where previously excavated soil was stored. This pile has since been removed. These soil borings, advanced to a depth of 14 feet, tested the vertical extent of any agricultural chemicals, and specifically Eradicane, that may have leached through the stored soil pile. Although Eradicane had never been used or stored on the property, during the ISS phase a small hit of the contaminant was identified in this area. No other detection was noted after the ESS sampling event. The next two soil borings are located on the east side of the property adjacent to a residential area. The soil was tested for ag chemicals and nitrate-nitrogen. The boring holes were then converted into monitoring wells and the groundwater was tested for nitrate-nitrogen contamination. The final two sampling points are located just to the north of the machine storage building. This building is located in the NW quadrant of the property and used to be owned by Sun Ray Petroleum Company. Both the soil and groundwater samples were tested for VOC's and TEH as diesel.

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

Information available from fire insurance maps indicates that the east facility was developed as a Thomas Brothers Lumber Yard by 1896. It was used as a Thomas Brothers Lumber Yard until 1916 when it became Sheffield Lumber Company. Additional information indicates that the east facility was purchased in the 1950s. The elevator in the west facility was constructed in 1906 and used as a grain and feed mill. Activities at the east facility include storage of feed, seed, pesticides, fertilizer, anhydrous ammonia and grain. Contamination pathways include floor drains located in the shop area, above-ground storage tanks, leaking underground petroleum storage tanks, spills and releases from liquid fertilizer storage tanks.

A SITE ASSESSMENT WAS PERFORMED IN JUNE 2001 TO SUPPLY INFORMATION FOR THE "ESS" PORTION OF THIS REPORT

03/26/2002 No new information was provided in this June 2001 report.

III. Summarize the other relevant information (include what may have been learned or known from sources other than the report itself, such as DNR files)

Municipal wells are located about 1/2 mile cross gradient of the facilities. These municipal wells are shallow and are completed in the surficial aquifer.

A SITE ASSESSMENT WAS PERFORMED IN JUNE 2001 TO SUPPLY INFORMATION FOR THE "ESS" PORTION OF



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THIS REPORT

03/26/2002 A survey of the residential area to the east of the property indicated that no private wells were being used or had been installed on anyone's property. The city's main supply of water is from a well located to the west of the site location and is approximately 27 feet deep. The only other well employed by the city of Sheffield is for farmers and not used for drinking.

REVIEW SUMMARY

Contaminant Type Ag Chemical & Petroleum

I. Summarize your findings and conclusions regarding the contaminants found and their extent and concentrations. Relate those values known criteria such as water quality standards, MCLs, established cleanup levels, background or any other relevant or useful benchmarks used to determine the site's priority.

Three agricultural chemicals were detected above regulatory limits - alachlor at 96, cyanazine at 12 and metolachlor at 580 ug/L. The regulatory levels for these chemicals are 2, 1, and 70 ug/L, respectively. Ammonia and nitrate levels in groundwater also exceeded regulatory levels. Ammonia and nitrate were detected in groundwater in the east facility at 28 and 57 mg/L. The regulatory standard for each of these chemicals is 30 mg/L. Also, at the east facility, total extractable carbon as diesel was detected at 11,000 ug/L compared to 1,200 ug/L for LUST standard.

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03/26/2002 The soil borings on the north end of the property were advanced to 14 feet and did not detect any contamination of agricultural chemicals, including Eradicane, above detection limits. The soil borings and groundwater testing on the east side of the property adjacent to a residential neighborhood did not detect any soil contamination for ag chemicals. The groundwater analysis however, detected Atrazine, Metolachlor, Cyanazine below the statewide standards. Nitrate-Nitrogen was the only contaminant above any corrective levels found in the groundwater at 15.4 mg/L with the statewide standard being 10 mg/L. The soil and groundwater samples north of the machine storage building showed TEH as diesel contamination ranging between 50 mg/kg to 1310 mg/kg and 1400 ug/L to 41400 ug/L. The LUST Section Tier I Lookup table was used to evaluate these numbers. The soil standard is 3800 mg/kg and the groundwater is 75000 ug/L.

II. Summarize the potential or actual impacts of the contamination. What is known about the neighboring area, i.e., are there residences, businesses, public use areas, etc.? Are there wells in the area that could be potentially impacted? Are there identified contaminant pathways such as water or sewer lines, drain tiles, or fissures? Identify any other use/location issues that deserve consideration in any priority assignment.

The municipal wells could be impacted by the east facility. These wells are only 27 feet deep. The release of contaminants to soil and subsequently to groundwater could have occurred through floor drains in the shop building. There has not been an adequate survey of receptors, such as plastic water lines and any private wells. The municipal wells need to be sampled and analyzed for ag chemicals, VOCs, and petroleum products. Groundwater flow direction needs to be established. This would permit the proper alignment of boreholes and/or monitoring wells relative to the groundwater flow direction. The east facility is bounded by Sukup Manufacturing to the north, commercial businesses to the south, residential property to the east and commercial properties to the west. The west facility is in an isolated rural setting.

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DNR Site Investigation Report Review

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03/26/2002 The groundwater flow direction has been established to be NW-SE and not impacting the city of Sheffield's water supply. The city's water well is in the southwest of the property and supplies the entire population for the city. The residential neighborhood to the east of the property is connected to the city water supply and there are no private wells on anyone's property. There is a well planned for the future approximately 410 feet deep and that would not be affected by any shallow contamination still onsite. No other potential or actual receptors were identified on or around the property in the site assessment report.

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

Groundwater direction has not been determined at the site. It does appear that both real and potential contamination is confined to the east facility. There is the possibility of continuing release through floor drain. The groundwater which is threatened is a significant water resource that is being used by the city of Sheffield. Additional investigation should be limited to the east facility. The PRP should conduct the additional investigation at the site. IDNR personnel could sample the municipal water wells.

A SITE ASSESMENT WAS PERFORMED IN JUNE 2001 TO SUPPLY INFORMATION FOR THE "ESS" PORTION OF THIS REPORT

03/26/2002 The groundwater direction to the NW-SE does not affect the current water supply for the city of Sheffield. There are still small amounts of contamination on the site by the machine storage building and on the east side of the property. The contamination from the former Sun Ray Petroleum Company has been determined low enough to satisfy the LUST section regulations and is not a significant threat to the human health. The slightly elevated levels of nitrate-nitrogen on the east side of the property do not warrant any immediate concern. The residential area just east of the property is operating on city supplied water and is not affected by the Sheffield site. This site is given a priority 3 designation (A no action at this time with contamination still present) and will be taken out of the CERCLA track. The state is finished with this site as well and it will be filed in records.

PRIORITY LEVEL

Priority Level 2

PROGRAM AUTHORITY REFERRAL

Program Authority Referral Chapter 133

Other Referral

ISS/Form Completed By	Lambert A. Nnadi	Date ISS Completed	08/11/2000
ESS Completed By	Piper Sullivan	Date ESS Completed	03/26/2002
		Date Completed	

Form Reviewed	Susan Dixon	Date Reviewed	08/11/2000
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Cal DeLong

4/25/02

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: Piper Sullivan 04/11/2002
 (Name/Title) (Date)
Wallace State Office Buidling 1-515-242-5084
 (Address) (Phone)
piper.sullivan@idnr.state.ia.us
 (E-mail Address)

Site Name: Sheffield Coop

Previous Names (if any): none

Site Location: 205 E Gilman
 (Street)
Sheffield IA 50475
 (City) (ST) (Zip)

Latitude: _____ Longitude: _____

Compare the following checklist. If "yes" is marked, please explain below.

	YES	NO
1. Does the site already appear in CERCLIS?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

One public water well was found to be out of the receptor range for this site and the contamination present. Nitrate-nitrogen is above the state action levels but below state background and the site was given a priority 3 designation and does not warrant any immediate concern.

The petroleum contamination found onsite is satisfied by passing the Tier 1 LUST Section benzene levels and was not found to be an immediate concern to the public's health and welfare.

Site Determination: Enter the site into CERCLIS. Further assessment is recommended (Explain below).
 The site is not recommended for placement into CERCLIS (Explain below).

DECISION/DISCUSSION/RATIONALE:
This site has passed the ESS review phase for the Contaminated Sites Section. The petroleum contaminant, benzene, is below Tier 1 LUST levels and the nitrate-nitrogen contaminant is only slightly above state action levels. There are no potential or actual receptors and/or public wells for any of the contaminants found onsite.

Regional EPA Reviewer:

Print Name/Signature _____ Date _____
Cal Lundberg *Cal Lundberg* *4/15/02*
Print Name/Signature _____ Date _____

State Agency/Tribe:



REGION VII U.S. EPA SUPERFUND

PRE-CERCLIS INITIATION FORM

NO EPA ID

NO DISCOVERY DATE

NPL Status = O-NOT A VALID SITE OR INCIDENT

Site Name: Sheffield Coop

Initiated Date 07/28/2000

Initiated By: Removal Site Assessment

Address: 205 E Gilman

County Name: Franklin

City, State, Zip: Sheffield, IA 50475

State ID (if one exists): P35-0001

Congressional District:

NPL Status: = Not a Valid Site or Incident

Federal Facility? Yes No

Section: C-(SACR) Site Assessment/Cost Recovery Branch L-(EFLR) Enfr/Fund Lead RV Branch F-(FFSE) Federal Facilities/Special Emphasis Branch M-(MOKS) MO/KS remedial Branch I-(IANE) IA/NE Remedial Branch O-(ER&R) Emergency Response & RV Branch

List Site Alias Name (s):

Directions to Site: SW 1/4 of SE 1/4 of Section 4, T93N, R20W in Franklin County IA

Site Description: Agricultural

Site Size: less than 1

Site Dimension: Acres Square Feet Square Miles Feet Miles

USGS Quadrant:

USGS Hydro Unit:

Latitude: (Decimal Degree format)

Longitude:

Lat/Long Accuracy: Seconds Minutes Degrees Miles Kilometers Feet Meters

Lat/Long Source: EPA Region 7 EPIC Regulated Entity Private Geograph SNAP Other Other Fed Agency Contractor EPA HQ

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

Operational Status: Active Inactive Unknown

Incident Type: Non-Oil Spill Oil Spill Unknown

Non-NPL Status (Choose one):

Protect: Yes No Not a Valid Site or Incident Not a Valid Site or Incident: RCRA Lead Not a Valid Site or Incident: NRC Lead Not a Valid Site or Incident: State Lead Not a Valid Site or Incident: Tribal Lead

Add Action: OU 00

PRE-CERCLIS SCREENING Planned Complete: 03/26/2002 Actual Complete: 03/26/2002

Lead code (choose one): F-EPA Fund Financed FF - Federal Facility S - State, Fund Financed

SCAP Note:

Comment: Site or Action: no action at this time

Signatures:

State: Cal Lundberg Acting Date: 4/21/02

RPM/OSC/SAM: _____ Date: ___/___/___

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:

- 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 LW-Lumber and wood products/pulp and paper 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 T A-Tanneries 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
- 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 ML-Municipal solid waste landfill 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 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)

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

I. SITE NAME AND LOCATION:
NAME: Sheffield Coop

ADDRESS OR OTHER LOCATION IDENTIFIER: 205 E. Gilman

CITY: Sheffield

STATE: Iowa

ZIP: 50475

DIRECTIONS TO SITE: Take I-235 E from Des Moines to I-35 N. Continue on I-35N for 90 miles to exit number 176 towards Sheffield/Belmond. Turn right onto 250th Street, which becomes Grant Street. When you get to S. Lincoln turn left and stay on the road for a quarter of a mile until you reach W. Gilman Street. Turn right on W. Gilman. The site will be on the east side of the road on the left if looking directly at the office.

MAP ATTACHED: X

II. PROGRAM CONTACTS:
REQUESTED BY: Don Hamera

DATE OF REQUEST:
AGENCY/OFFICE: EPA Region VII

MAILING ADDRESS: 901 N 5th Street

CITY: Kansas City

STATE: Kansas

ZIP: 66101

TELEPHONE:
FAX:
EVALUATOR: Piper Sullivan

AGENCY/OFFICE: Iowa Department of Natural Resources

MAILING ADDRESS: 502 E 9th Street

CITY: Des Moines

STATE: Iowa

ZIP: 50319

TELEPHONE: 515/242-5084

FAX: 515/281-8895

III. SITE INFORMATION:
TYPE OF FACILITY: Agriculture

TYPE OF OWNERSHIP: Private

OWNER/OPERATOR INFORMATION:
SITE STATUS (active/inactive): Active

YEARS OF OPERATION: Unknown

OPERATIONAL HISTORY: (How was the site identified?)

This site has been under different ownership since 1896 and used as a lumberyard until 1906. Since then the property has been used as a grain and feed mill. Pesticides, fertilizer, anhydrous ammonia, above ground storage tanks and underground storage tanks are present. The underground storage tanks leaked in 2000, which brought the Iowa Department of Natural Resources (IDNR) to the scene.

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

IV. PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISIONS

(Criteria from "Improving site Assessment: Pre-CERCLIS Screening Assessments", OSWER Directive #9375.2-11FS, EPA-540-F-98-039, PB98-963310, October 1999)

1. Does the site already appear in CERCLIS? YES or NO
 (If YES, this Form may be inappropriate to document site decisions, i.e., a CERCLA PA (at a minimum) is required.)

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? YES or NO
 (If YES, then explain in Section V.)

3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or solely through naturally occurring processes or phenomena, from a location where it is naturally found? YES or NO
 (If YES, then explain in Section V.)

4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use? YES or NO
 (If YES, then explain in Section V.)

5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)? YES or NO
 (If YES, then explain in Section V.)

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)? YES or NO
 (If YES, then explain in Section V.)

7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)? YES or NO
 (If YES, then explain in Section V.)

Check one, either 8.a or 8.b, whichever applies

8. a. 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 releases have occurred, EPA approved risk assessment completed)? YES or NO
 (Explain in Section V.)

8. b. Base on limited sampling that has been performed at/near the site in conjunction with Pre-CERCLIS Screening Assessment, is there a release or a potential for a release that could cause adverse environmental or human health impacts? YES or NO
 (Explain in Section V.)

Yes -> Explain in the following Sections whether or not a CERCLA response action (CERCLIS entry) is warranted.

No -> No CERCLIS entry is warranted. Explain in the following Sections.

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

V. SUPERFUND SITE SCREENING CRITERIA

A. REMEDIAL CRITERIA

1. SOURCE AND WASTE CHARACTERISTICS

KNOWN OR SUSPECTED SOURCE TYPES AND LOCATIONS: 1-1000 gallon diesel AST, 1-2500 gallon of Touchdown, 1-2200 gallon tank of Extrazine, 1-3000 gallon tank of Dual, 1-1000 gallon tank of Topnotch, 2-28,000 gallon tanks of 28% liquid fertilizer, 1-21,000 gallon tank of 28% liquid fertilizer, 1-12,000 gallon tank of 28% bulk dry fertilizer stored on concrete, and 1-400 gallon AST of waste oil, all located on the west and north corners of the property.

SIZE OF SOURCES AND QUANTITIES (Volume, Area):
see above

WASTE TYPES OR HAZARDOUS SUBSTANCES KNOWN OR SUSPECTED TO BE PRESENT:
see above

2. GROUND WATER PATHWAY:

What is the likelihood that a release to groundwater has occurred at the site? A release to groundwater did occur with pesticide and petroleum contamination in the year 2000

If a release is not suspected proceed to A.3.

a. USE AND CHARACTERISTICS:

GENERAL STRATIGRAPHY AND HYDROLOGY: The site slopes to the south toward the Bailey Creek and has an approximate elevation of 1070 feet above mean sea level.

PRESENCE OF KARST TERRAIN: The terrain is Karst with the subsurface bedrock generally comprised of the upper Devonian Series with gray siltstone and greenish-gray shale.

DEPTH TO SHALLOWEST AQUIFER: Depth to bedrock is less than 30 feet

PRIVATE WELLS WITHIN 4 MILES (locations and population served): yes – two wells
One well within 1/8 mile has been plugged and abandoned. The second well is within 2 miles and is used for agricultural purposes only and is screened to a depth of 112 feet below ground surface.

MUNICIPAL WELLS WITHIN 4 MILES (locations and population served): none within 4 miles

DISTANCE TO NEAREST DRINKING WATER WELL: unknown, outside of the 5 mile radius from the site

WELLHEAD PROTECTION AREAS: Unknown, outside of the 5 mile radius from the site

3. SURFACE WATER PATHWAY:

What is the likelihood that a release to surface water has occurred at the site? no likelihood

If a release is not suspected proceed to A.4.

a. USE AND CHARACTERISTICS:

FLOOD FREQUENCY:

DISTANCE TO NEAREST SURFACE WATER:

SURFACE WATER BODIES WITHIN 15 DOWNSTREAM MILES:

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

DESIGNATED AND/OR PROTECTED USES OF SURFACE WATER BODIES:

DRINKING WATER INTAKES WITHIN 15 DOWNSTREAM MILES (locations and populations served):

FISHERIES WITHIN 15 DOWNSTREAM MILES:

KNOWN OR POTENTIAL SENSITIVE ENVIRONMENTS AND WETLANDS WITHIN 15 DOWNSTREAM MILES:

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

4. SOIL EXPOSURE PATHWAY:

What is the likelihood of exposure to hazardous substances at the site? no likelihood

If a release is not suspected proceed to A.5.

a. CHARACTERISTICS:

NUMBER OF PEOPLE LIVING WITHIN 200 FEET: unknown

SCHOOLS OR DAY-CARES WITHIN 200 FEET: unknown

POPULATIONS WITHIN 1 MILE: unknown

NUMBER OF WORKERS AT THE FACILITY OR ADJACENT FACILITIES WHOSE CONTAMINATION IS SUSPECTED:
approximately 10

LOCATIONS OF KNOWN OR POTENTIAL TERRESTRIAL SENSITIVE ENVIRONMENTS: unknown

5. AIR PATHWAY:

What is the likelihood that a release of hazardous substances are migrating from the site to the air? no likelihood

If a release is not suspected proceed to B.

a. CHARACTERISTICS

POPULATIONS WITHIN 4 MILES:

DISTANCE TO NEAREST INDIVIDUAL:

LOCATIONS OF KNOWN OR POTENTIAL SENSITIVE ENVIRONMENTS WITHIN 0 TO 1/4 MILE AND 1/4 TO 1/2 MILE:

B. REMOVAL CRITERIA

IS THERE A RELEASE AS DEFINED BY THE NCP?

YES or NO

EXPLAIN: The underground storage tanks on site leaked petroleum fluid that impacted the soil and groundwater in the year 2000. And the fertilizer tanks had leaks that also impacted the site's soil and groundwater.

(A RELEASE is defined as any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment of barrels, containers, and other closed receptacles containing any hazardous substances or pollutant or contaminant), but excludes: workplace exposures; engine exhaust emissions; nuclear releases otherwise regulated; and the normal application of fertilizer. For purposes of the NCP, release also means threat of release. [40 CFR 300.410(e)])

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

B. REMOVAL CRITERIA (continued):

IS THE SOURCE A FACILITY OR VESSEL AS DEFINED BY THE NCP?

YES or NO

EXPLAIN: The fertilizer and petroleum fluids are loaded and unloaded from this site into tanker trucks for transport.

(A FACILITY is defined as any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or POTW), well, pit, pond, lagoon, impoundment, ditch, landfill, storage container, motor vehicle, rolling stock, or aircraft or any site or area, where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise come to be located; but does not include any consumer product in consumer use or any vessel. A VESSEL is defined as any description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water other than a public vessel. [40 CFR 300.410(e)])

DOES THE RELEASE INVOLVE A HAZARDOUS SUBSTANCE, POLLUTANT YES or NO OR CONTAMINANT AS DEFINED BY THE NCP?

EXPLAIN:

(A HAZARDOUS SUBSTANCE means any substance, element, compound, mixture, solution, hazardous waste, toxic pollutant, hazardous air pollutant, or imminently hazardous chemical substance or mixture designated pursuant to the CWA, CERCLA, SDWA, CAA or TSCA. The term does not include petroleum products, natural gas, natural gas liquids, liquefied natural gas, synthetic gas or mixtures of natural and synthetic gas. The definition of POLLUTANT or CONTAMINANT includes, but is not limited to, any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions or physical deformations, in such organisms or their offspring. The term does not include petroleum products, natural gas, natural gas liquids, liquefied natural gas, synthetic gas or mixtures of natural and synthetic gas.) [40 CFR 300.410(e)]

IS THE RELEASE SUBJECT TO THE LIMITATIONS ON RESPONSE? YES or NO

EXPLAIN:

(The LIMITATIONS ON RESPONSE provisions of the NCP (40 CFR 300.400(B) states that removals shall not be undertaken in response to a release: of a naturally occurring substance in its unaltered or natural form; from products that are a part of the structure of, and result in exposure within, residential buildings or business or community structures; or into public or private drinking water supplies due to deterioration of the system through ordinary use.) [40 CFR 300.410(e)]

DOES THE QUANTITY OR CONCENTRATION WARRANT RESPONSE?

YES or NO

EXPLAIN:

[40 CFR 300.410(e)]

HAS A PRP BEEN IDENTIFIED? (Include name, address and telephone number) YES or NO

EXPLAIN: Previous Operator

Current Owner
Sheffield Coop
205 E Gilman
Sheffield, IA 50475

[40 CFR 300.410(e)] The PRP was identified from the bill of sale for the property dating back to 1896.

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

B. REMOVAL CRITERIA (continued):

IS THERE AN ACTUAL OR POTENTIAL EXPOSURE TO HAZARDOUS SUBSTANCES OR POLLUTANTS, OR CONTAMINANTS? YES or NO

EXPLAIN:

IS THERE ACTUAL OR A POTENTIAL FOR CONTAMINATION OF DRINKING WATER SUPPLIES? YES or NO

EXPLAIN:

ARE THERE HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN DRUMS, BARRELS, OR BULK STORAGE CONTAINERS? YES or NO

EXPLAIN:

ARE THERE HIGH LEVELS OF HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN NEAR-SURFACE SOILS? YES or NO

EXPLAIN:

("High levels" may be determined by streamlined risk assessments, health consultations, state or federal soil screening criteria, and/or Superfund program policies or directives.)

ARE THERE CONDITIONS ON SITE WHICH MAY BE SUSCEPTIBLE TO IMPACT FROM ADVERSE WEATHER CONDITIONS? YES or NO

EXPLAIN:

IS THERE A THREAT OF FIRE OR EXPLOSION? YES or NO

EXPLAIN:

IS THERE A POTENTIAL FOR OTHER FEDERAL OR STATE RESPONSE MECHANISMS? YES or NO
IF SO, IDENTIFY THE APPROPRIATE PROGRAM:

RCRA NRC FIFRA UST OTHER FEDERAL () STATE DEFERRAL

EXPLAIN:

ARE THERE OTHER SITUATIONS OR FACTORS WHICH WARRANT FURTHER SUPERFUND RESPONSE? YES or NO

EXPLAIN:

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

VI. SUPERFUND SITE SCREENING FINDINGS AND RECOMMENDATIONS:

NO FURTHER SUPERFUND RESPONSE ACTION REQUIRED - SUPERFUND CERCLIS ENTRY NOT WARRANTED

(Cite the appropriate criteria from SECTION V as the basis for the above determination.)

Yes	No	Unknown	Issue	Yes	No	Unknown	Issue
		X	Ground Water Pathway Threat		X		Direct Exposure Pathway Threat
	X		Surface Water Pathway Threat		X		Air Pathway Threat
		X	Release Or Threat Of Release			X	A Facility Or Vessel
		X	Hazardous Substance, Pollutant, or Contaminant		X		Subject To Response Limitations
	X		Quantity Or Concentration Warrant Response		X		Exposure To Hazardous Substances Or Pollutants Or Contaminants
	X		Drums, Barrels Or Bulk Containers Present		X		High Levels Of Contaminants In Surface Soils
	X		Site Susceptible To Adverse Weather Conditions		X		Threat Of Fire Or Explosion
X			Willing/Capable PRP Response		X		Referred To Another Program

COMMENT: There are no longer any receptors of concern, petroleum contamination has been addressed and satisfied by the IDNR LUST Section, and the pesticide levels have been determined to be of low risk to the surrounding area. The site is given a priority 3 designation with the state and a no action at this time.

REMOVAL ACTION RECOMMENDED: EMERGENCY TIME-CRITICAL NON-TIME-CRITICAL

(Cite one or more of the conditions or factors from Section V. REMOVAL CRITERIA, as a basis for recommending that a removal action be conducted.)

Yes	No	Unknown	Issue	Yes	No	Unknown	Issue
			Exposure To Hazardous Substances Or Pollutants Or Contaminants				Actual Or A Potential For Contamination Of Drinking Water Supplies
			Drums, Barrels Or Bulk Containers Present				High Levels of Contaminants Near-Surface Soils
			Site Susceptible To Adverse Weather Conditions				Fire/Explosion Threat
			Other Response Mechanism				Other Factors

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

COMMENT:

VI. SUPERFUND SITE SCREENING RECOMMENDATIONS (continued):

ADDITIONAL INTEGRATED ASSESSMENT RECOMMENDED

(Cite the appropriate criteria from Section V as a basis for recommending that additional site evaluation be performed.)

Yes	No	Unknown	Issue	Yes	No	Unknown	Issue
			Ground Water Pathway Threat				Direct Exposure Pathway Threat
			Surface Water Pathway Threat				Air Pathway Threat
			Release Or Threat Of Release				A Facility Or Vessel
			Hazardous Substance, Pollutant, or Contaminant				Subject To Response Limitations
			Quantity Or Concentration Warrant Response				Exposure To Hazardous Substances Or Pollutants Or Contaminants
			Drums, Barrels Or Bulk Containers Present				High Levels Of Contaminants In Surface Soils
			Site Susceptible To Adverse Weather Conditions				Threat Of Fire Or Explosion
			Willing/Capable PRP Response				Referred To Another Program

COMMENT:

VII. ADDITIONAL INFORMATION OR COMMENTS

This site is granted a no action at this time and is being taken out of the CERCLA track.

DNR USE ONLY

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

VIII. DETERMINATION

SIGNATURE: Lambert Ahmed
Name/Title/Office Env. Spec. Env.

DATE: 4-30-02

Welcome!



Netscape Present



< Back

SEND TO

FROM:

Des Moines, IA
50319 US

TO:

205 E Gilman St
Sheffield, IA
50475-8584 US

Total Distance: 102.11 miles

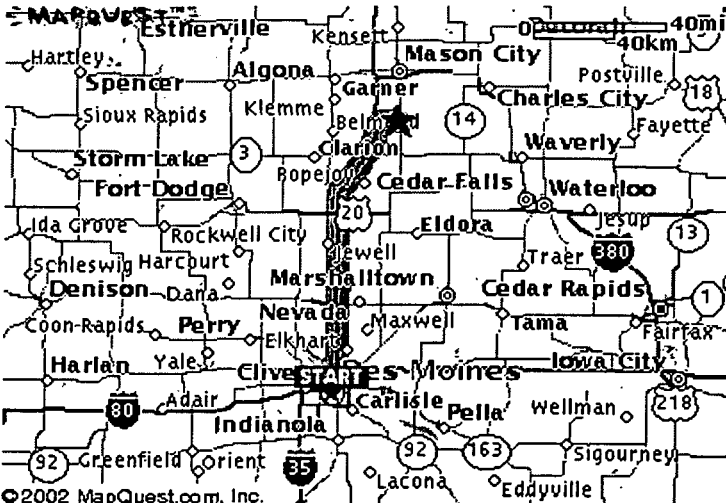
Total Estimated Time: 2 hours, 6 minutes

DIRECTIONS

- 1: Start out going South on PENNSYLVANIA AVE towards E UNIVERSITY AVE by turning left.
- 2: Turn SLIGHT RIGHT.
- 3: Turn LEFT to take the I-235 E ramp.
- 4: Merge onto I-235 E.
- 5: I-235 E becomes I-35 N.
- 6: Take the CR-C13 exit- exit number 176- towards SHEFFIELD/BELMOND.
- 7: Turn RIGHT onto 250TH ST.
- 8: 250TH ST becomes GRANT ST.
- 9: Turn LEFT onto S LINCOLN ST.
- 10: Turn RIGHT onto W GILMAN ST.

DISTANC
0.18 miles
0.25 miles
0.25 miles
4.99 miles
89.09 mile
0.27 miles
5.48 miles
0.98 miles
0.12 miles
0.48 miles
Total Dist
102.11 m

Total Estimated Time:
2 hours, 6 minutes

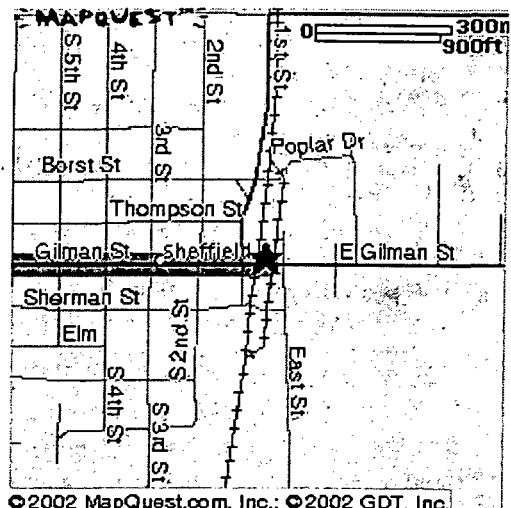


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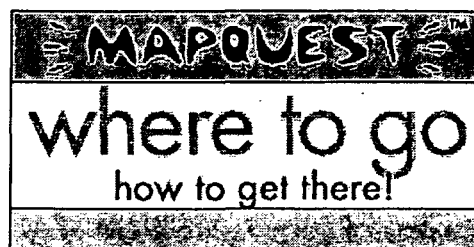
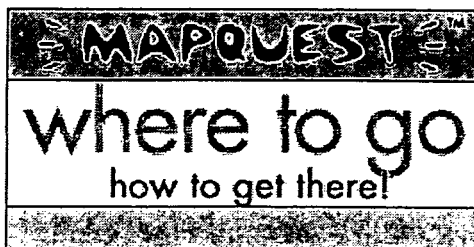
DESTINATION:

205 E Gilman St
Sheffield, IA
50475-8584 US

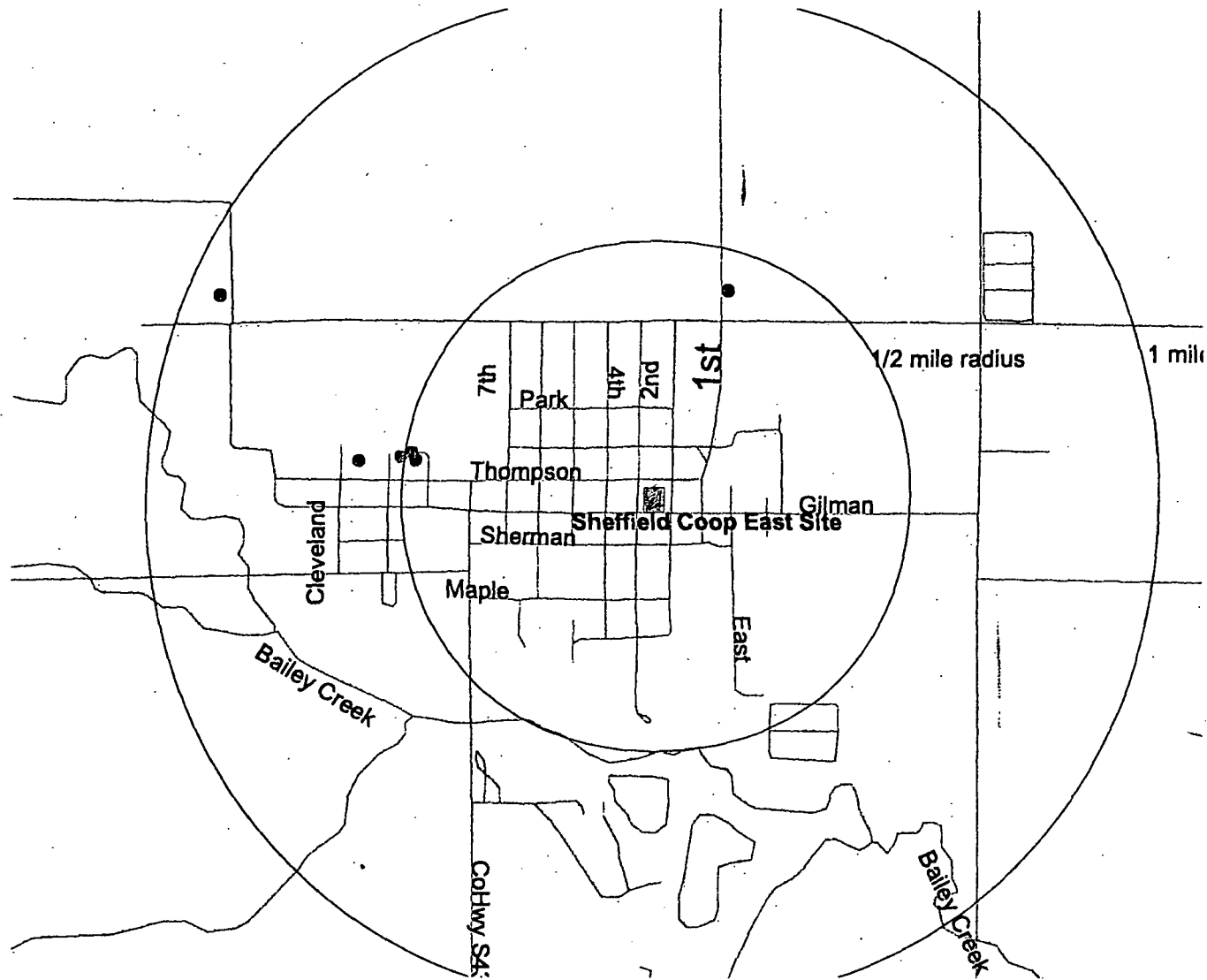


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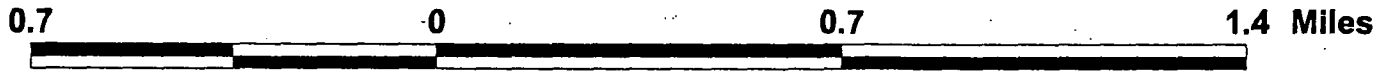
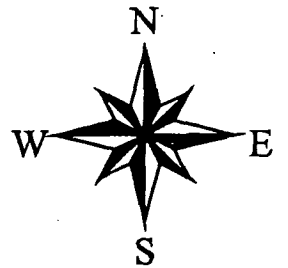
These directions are informational only. No representation is made or warranty given as to their content, road conditions or route usability or expeditiousness. User assumes all risk of use. MapQuest and its suppliers assume no responsibility for any loss or delay resulting from such use.



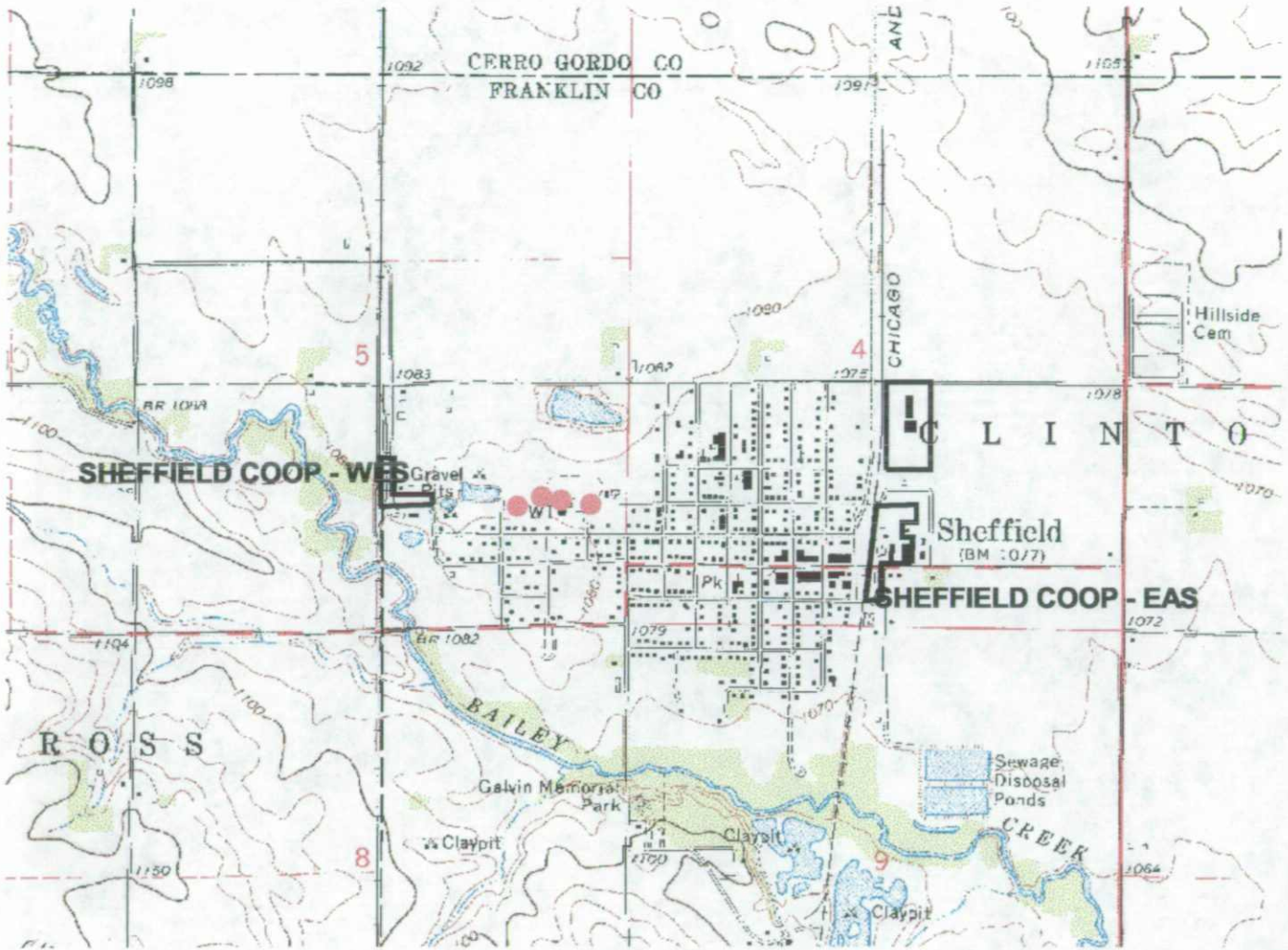
SHEFFIELD COOP EAST



- Water Use
- Private well
- Municipal well
- ══ Roads
- ~~~~ Rivers



Sheffield Coop, Sheffield



-  User.shp
-  Municipa.shp



