

CON 12-15
Doc #14014

Con 12-15
Wayne Engineering
Cedar Falls



Site
Investigation
Report
Review

SIRR Report
for
Unassigned Uncontrolled Sites

SIRR ID O07-0002
Site Name WAYNE ENGINEERING CORPORATION
City Location Cedar Falls
Site Type Referral
County Black Hawk

Screening Activity Extended Site Screening

SITE INFORMATION

Property Owner University of Northern Iowa
Mailing Address Tom Richtsmeier
Util/Energy Engineer
Energy Conservation Management
Physical Plant Building
University of Northern Iowa
Cedar Falls, Iowa 50614-0192

Telephone: (319) 273-~~6258~~ 3057
Location/Legal Description Warehouse #1 (former Wayne Engineering)
2412 West 27th Street
Cedar Falls, Iowa

Size Of Property Six acres

Report Prepared By Dean Shoars/Tom Richtsmeier

Date Report Submitted 06/24/1999

Report Submitted By Dean Shoars/Tom Richtsmeier

Current Usage Warehouse for UNI

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.)

Information on contamination was presented with letters sent by UNI personnel on June 8 and 24, 1999.

Contaminated soil was encountered while digging a 4' deep utility trench on May 26, 1999. Odors were observed coming from the disturbed soil. One soil sample was submitted for analysis from four closely located sample locations (within ten feet). The area of contamination is approximately 110 feet west-southwest of the southwest corner of the on-site building. This location is five feet from the west property line and approximately 50 feet east of the Cedar Falls Utilities building on the adjacent property.

NOTE: The evidence of contamination is limited to the results of one shallow soil sample.



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The detected compounds were mainly petroleum hydrocarbons but also included two chlorinated solvent compounds.

The chlorinated compounds were PCE (13.2 ppm) and 1,1,1-TCA (1.5 ppm).

The petroleum compounds included xylenes (10,600 ppm), ethylbenzene (924 ppm) and toluene (31 ppm).

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.)

The information on site history is based on Phase I Environmental Site Assessment which was conducted in February 1993.

The site was used for farming prior to the sale to Wayne Engineering corporation in 1970. Wayne Engineering constructed a pre-fabricated metal building (30,000 square feet) which was used to manufacture various sizes of compactor units for garbage and refuse trucks. Manufacturing operations included machining, painting and degreasing. The facility had a 1,000 gallon UST next to the northwest corner of the building. This UST was removed in 1990. During the tank removal there was no evidence of a release.

The University of Northern Iowa purchased the property in 1996 and uses the building for a warehouse. The contamination reported above was discovered while digging a new high voltage connection between UNI and Cedar Falls Utilities.

The land to the west is owned by Cedar Falls Utilities which houses LP Gas tanks, several large transformers, and a large diesel tank. The area of soil contamination is approximately 50' east of the building on the Utility Property and 200' northeast of the large diesel tank.

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)

ArcView: The information system was used to generally find the location of the ten Cedar Falls municipal wells. The closest well (No. 8) was misidentified as being located on the site (The actual location is on the property to the west). The ten wells vary in depth from 125' to 275'. They obtain their water from the Devonian or Devonian/Silurian bedrock aquifer.

SIDWIS Data Base: These files were searched for the results of VOC analyses for the Cedar Falls Municipal wells. The most persistent contamination was for PCE found in Well No. 5. This well is approximately 6,000 feet east of the site.

REVIEW SUMMARY

Contaminant Type Petroleum & Other

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.

Chlorinated hydrocarbons: The soil samples results are below the new statewide standards for the risk of incidental ingestion of soil. However, the soil value for PCE is at a level that is often associated with groundwater contamination several orders of magnitude above the MCL.

Petroleum hydrocarbons: The soil samples results are below the new statewide standards for the risk of incidental ingestion of soil. However, the values for toluene and ethylbenzene are above the Tier 1 levels for the three soil exposure pathways evaluated by the LUST program (soil leaching to groundwater, soil vapor to enclosed space, soil to plastic water line).

DNR Site Investigation Report Review

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On July 28, 1999 the Department explored the parking lot area where the suspected contamination was found. Using the States Geoprobe and Gas Chromatograph and working in a grid pattern in all directions around the suspected area no further areas were found that had any significant levels of contamination. (groundwater nor soil samples)

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.

Cedar Falls has ten wells which are less than four miles from the site.

The closest well (No. 8) is approximately 600' northwest of the contamination found in the trench. Testing by the city has shown no contaminants above minimum detection limits in this well.

The next closest wells are approximately 6,000' northeast, east and southeast of the site. The city has found contamination with PCE in the well (No. 5) that is east of the site. This contamination was found as high as 3.4 ug/l but has been below minimum detection limits during most sample events since April 1995.

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

Because of what was found during the Departments investigation, PCE below the state standard in the soil samples and no contaminants in the groundwater, it is though that the small area found during the trenching by UNI was a small localized spill in the order of magnitude compared to someone cleaning paint brushes one time. At this time I recommend a priority level of 4 and no further action.

PRIORITY LEVEL

Priority Level 3-4

PROGRAM AUTHORITY REFERRAL

Program Authority Referral No Further Action

Other Referral

ISS/Form Completed By John Vedder

Date ISS Completed 07/01/1999

ESS Completed By Dan Cook

Date ESS Completed 01/04/2000

Date Completed

Form Reviewed

John Vedder

Date Reviewed

Susan Dixon

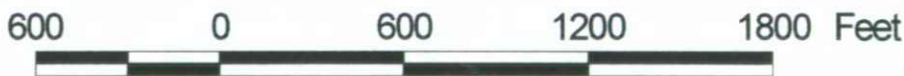
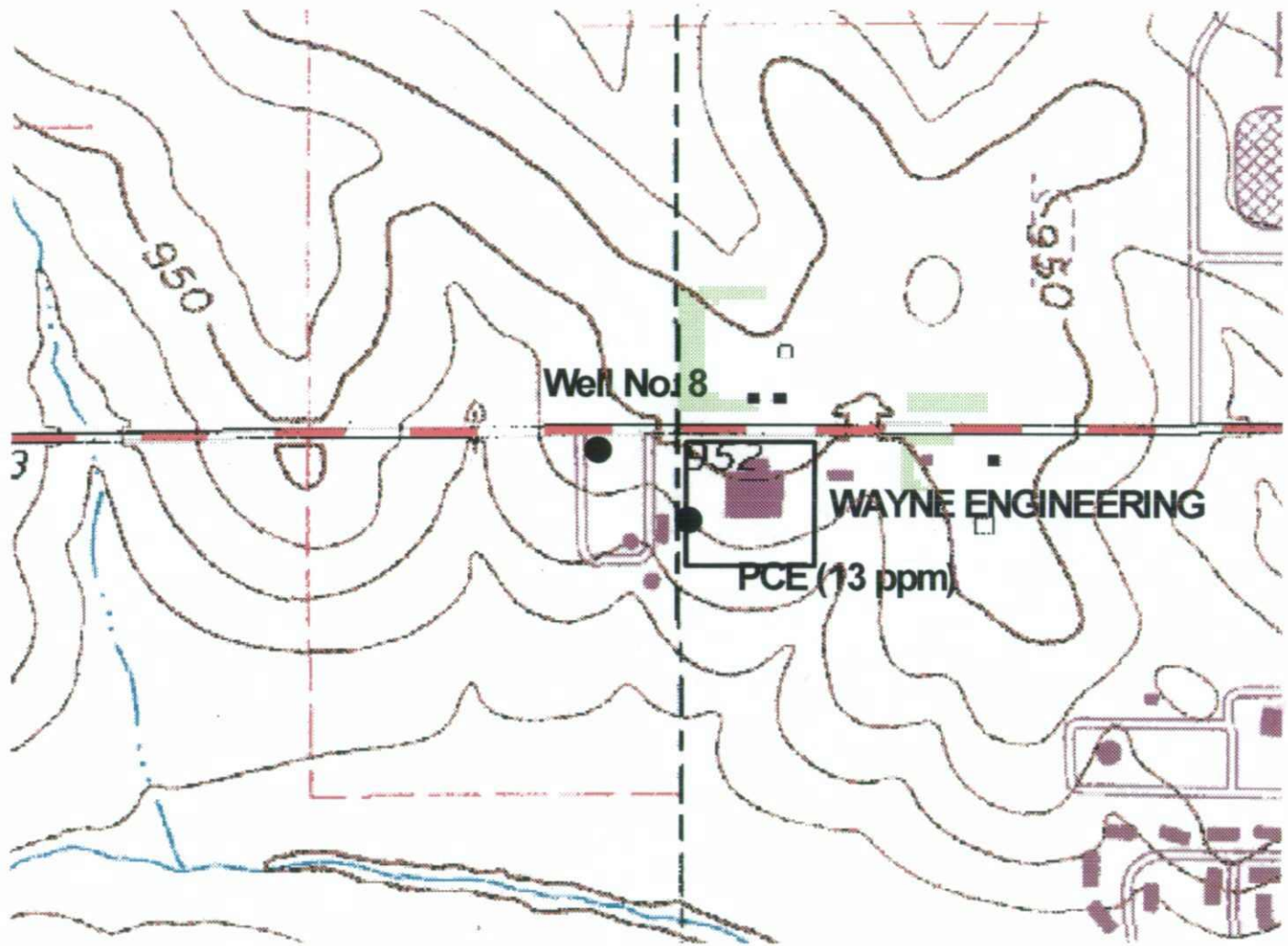
Joe Obr

JV
Susan Dixon
Joseph & Ober

1/5/2000
1/10/2000
1/10/2000

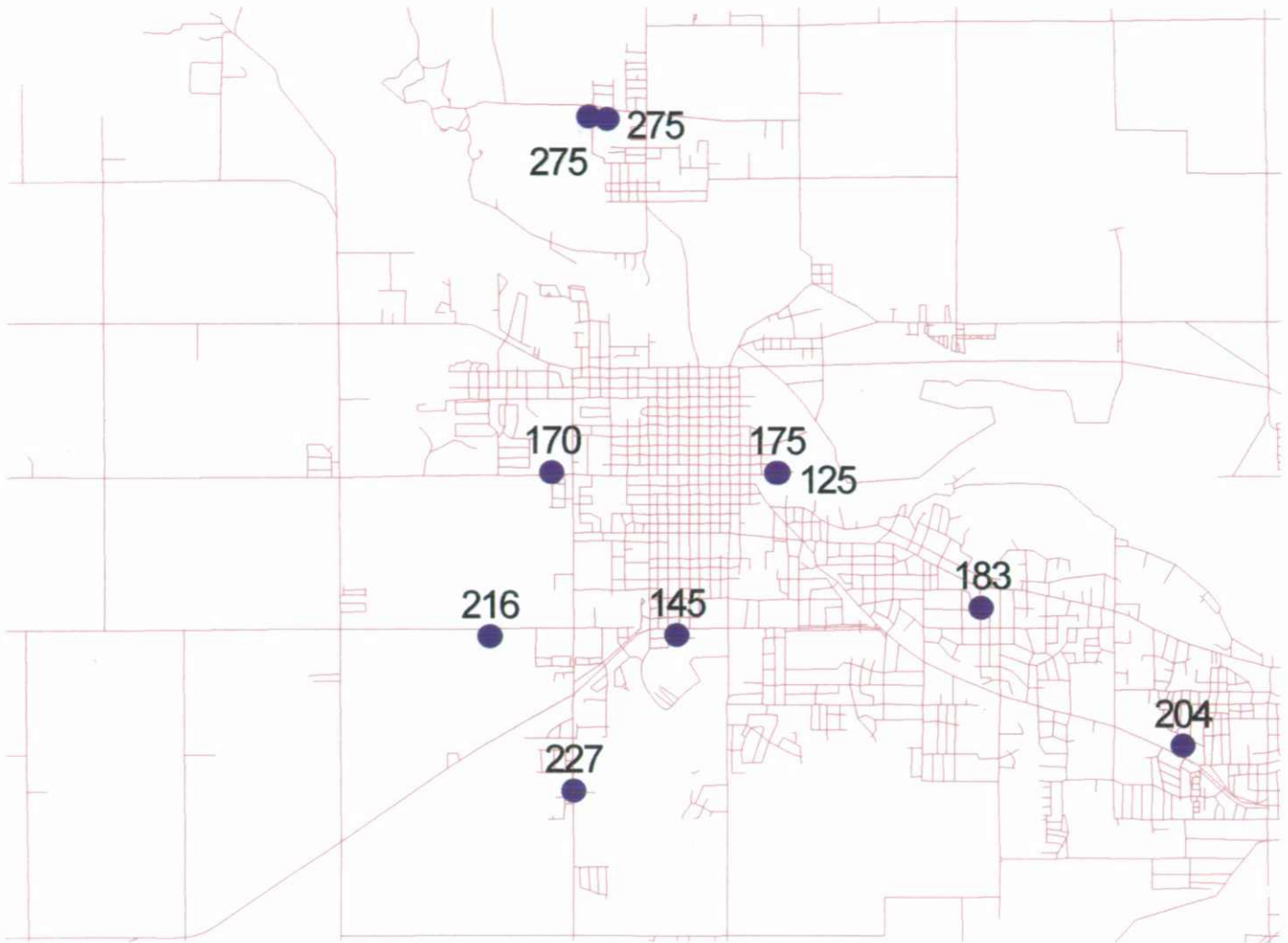
Con 12-15
Wayne Engineering
Cedar Falls

Wayne Engineering Site



 User.shp

Cedar Falls Municipal Wells (depth)



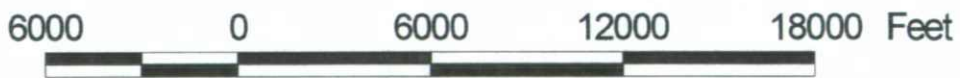
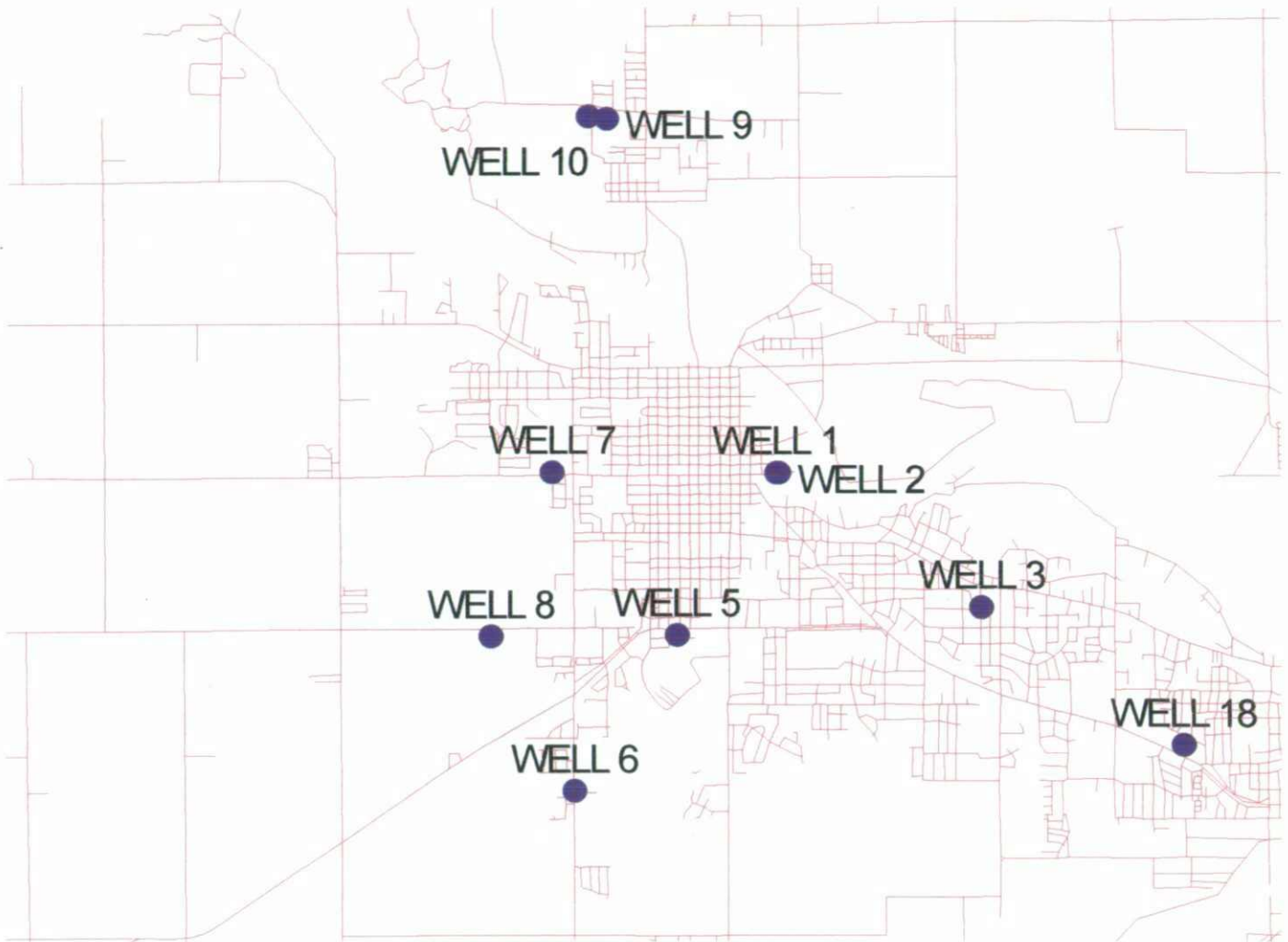
6000 0 6000 12000 18000 Feet



Roads
Muniwells



Cedar Falls Municipal Wells



 Roads
Muniwu



1871



NO EPA ID

NO DISCOVERY DATE

NPL Status = O-NOT A VALID SITE OR INCIDENT

Site Name: Wayne Engineering Corporation Initiated Date 6/24/99 Initiated By: [] Removal [x] Site Assessment

List Site Alias Name (s):

Address: 2412 West 27th Street County Name: Black Hawk

City, State, Zip: Cedar Falls IA State ID (if one exists): Congressional District:

NPL Status: [x] NOT A VALID SITE OR INCIDENT Federal Facility?: [] Yes [x] No

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

Directions to Site: The site is located on the west side of Cedar Falls It is on the south side of 27th Street. Map attached

Site Description: The site was used by Wayne Engineering to manufacture compactors for garbage trucks. It is currently used by UWI as a warehouse.

Site Size: 6

Site Dimension: [x] Acres [] Square Feet [] Feet [] Square Miles [] Miles Site Type: [] Disposal [] Storage [] Midnight Dump [] Transportation Related [] Other [] Treatment [] Production Facility (active) [] Treatment (active) [x] Production Facility (inactive)

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

Incident Type: [x] Non-Oil Spill [] Oil Spill [] Unknown Incident Category: [] Abandoned [] Fire/Explosion [] Chemical Plant [] Landfill [] City Contamination [x] Manufacturing Plant [] Dioxin [] Military Related [] Ecological Damage [] Other [] Federal Facility [] Pure Lagoons [] Groundwater [] Radioactive Site [] Housing Area/Farm [] Mines/Tailings [] Industrial Waste Treatment [] Inorganic Waste [] Waterways/Creeks/Rivers [] Biological Threat [] Wells

RCRA Site: USGS Quadrant: USGS Hydro Unit:

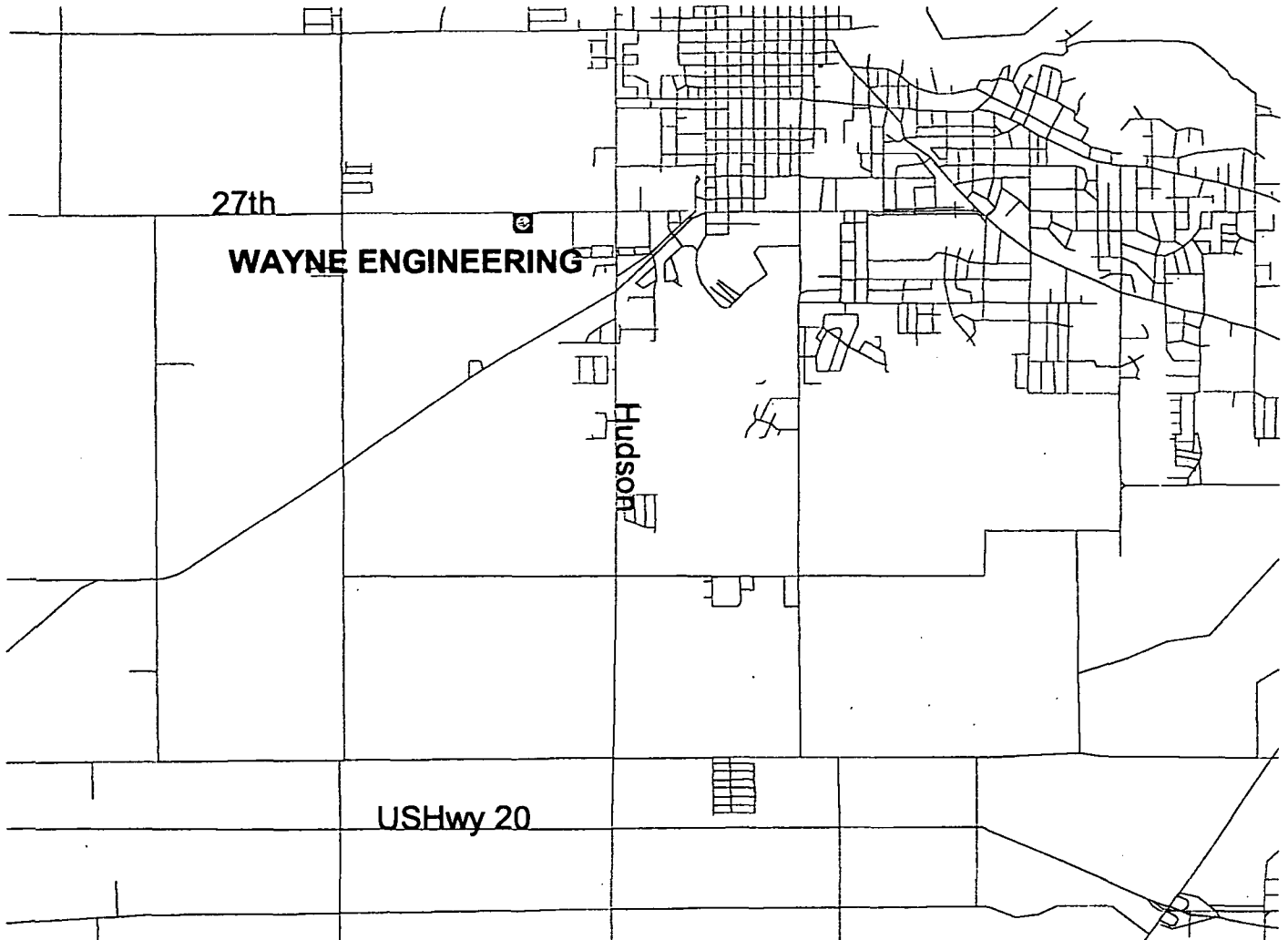
Latitude: Longitude: Lat/Long Accuracy: [] Seconds [] Meters [] Feet [] Kilometers [] Miles [] 1 Degree [] Private [] EPA Region 7 [] EPIC [] Geograph-Historical [] Other [] Other Fed Agency



Add Action: [x] PRE-CERCLIS SURVEYS Planned Complete: 1/1 Actual Complete: 01/4/00 OU 00 Lead code (chose one): [] F-EPA Fund Fianced [] FF - Federal Facility [x] S - State, Fund Financed SCAP Note:

Comment: [] Site or [] Action: No further action by state or EPA

Signatures: State: John Uelder Date: 4/6/00 RPM/OSC/SAM: Date 1/1

Wayne Engineering Corporation, Iowa Falls, Iowa



-  Roads07
-  Userpt.shp
-  User.shp

