Site Name: QC Coating, Eldridge, Iowa

Extended Site Screening (ESS)

CON 12-15
Doc #19501

Project Manager: Hylton Jackson

Date: 7/21/2008

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)

The property was developed from agricultural land in 1989 for Gene's Radiator Corp. Sometime after 1993, the property was acquired by Quad City Coating and used as a metal coating facility. In 2003 a 15-gallon drum of chlorinated solvent (TCE) was punctured and the material was released to the concrete floor. HazMat was contacted and responded. The property is being utilized (since August 2005) by Q C Coating Inc. which provides metal finishing services and currently uses chlorinated solvents. The site is located in the Blackhawk Industrial Park on the southwestern side of Eldridge, Iowa. The property consists of a parking area, loading dock, and a 14,235 square-foot building holding offices, warehousing and manufacturing areas.

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.)

A Phase I (dated November 14, 2007) was completed on the site by Preston Engineering, Inc. Since solvents are still being used on-site and a historic release was noted, the Phase I included a single boring from which one soil and one groundwater sample were collected and analyzed for volatile organic compounds (VOCs). Trichloroethylene (TCE) was detected in the groundwater sample and a Phase II was performed in January 2008. The Phase II consisted of 4 additional Geoprobe® borings. No soil samples were collected. A groundwater sample was collected from each boring and submitted for VOC analysis. TCE was detected in 3 of the 5 groundwater samples collected on-site. The concentrations were 7.77 ug/L, 29.8 ug/L and 82.1 ug/L. All of the concentrations exceed the Statewide Standard for Protected Groundwater of 5 ug/L and two samples exceeded the Statewide Standard for Non-Protected Groundwater of 25 ug/L.

An additional site investigation was required. A work plan was submitted to the department for review and was approved on March 25, 2008. Six additional borings (MW-1 to MW-6) were advanced on site and south and southeast of the site (the perceived down gradient direction). All borings were advanced to 15 feet bgs, logged, and converted to temporary monitoring wells. A groundwater sample was collected from each well and analyzed for TCE. Three wells were slug tested (Bower-Rice Method) to determine aquifer conductivity. The average K value was 0.0007 feet/minute or 0.3072 meters/day. Groundwater flow direction was determined to be to the southeast.

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.

Groundwater:

TCE was detected in two of the six additional groundwater samples. The concentrations were 2.44 ug/L at MW-1 and 8.56 ug/L at MW-3. Both concentrations exceed the Statewide Standard for Protected Groundwater of 5 ug/L but are below the Statewide Standard for Non-Protected Groundwater of 25 ug/L.

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 site is bordered on the north, east, and west sides by industrial and commercial businesses. A property to the southwest consists of a building with batting cages and an outdoor baseball field. The site is 1,300 feet north (up gradient) of the source water protection area for the non-municipal public water supply well at Petersen Property. The site is 500 feet northwest of the source water protection area for the non-municipal public water supply well at Mt. Joy Mobile Home Park. The site is served by municipal water and sewer and public utilities. The nearest residence would appear (from aerial photo) to be 2,000 feet away.

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

Chlorinated solvents have been detected during the additional site assessment in groundwater samples at concentrations above the Statewide Standard for Protected Groundwater but below the Statewide Standard for Non-Protected Groundwater. Shallow aquifer conductivity has been demonstrated to be below that of a Protected Groundwater Source of 0.44 m/day. To date, no chlorinated solvents have been detected in any groundwater samples collected off-site. As currently defined, the conditions described at the site do not appear to pose a significant threat to human health or the environment. No further action is required under CERCLA or State authority at this time.

Form Reviewed: _____ **Date Reviewed:** 7/22/08

REGION VII U.S. EPA SUPERFUND
NO DISCOVERY DATE

PRE-CERCLIS INITIATION FORM
NPL Status = O-NOT A VALID SITE OR INCIDENT

Site Name: QC Coating **Identified By:** ☐ Removal ☒ Site Assessment ☐ Federal Facilities ☐ States ☐ Other Federal Agency Check if: ☐ FUD Site

Address: 3560 S. 11th Avenue **County Name:** Scott

City, State, Zip: Eldridge, IA 52748 State ID (if one exists): _____ Congressional District: 1

NPL Status: = : Not a Valid Site or Incident **Federal Facility Indicator:** ☐ Federal Facility ☒ Not a Federal Facility ☐ Status Undetermined

Section: ☐ C-(STAR) SPFD Technical Assistance/Re-Use 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: From I-80 south of Eldridge, Iowa, take the BLACKHAWK TRAIL / CR-F51 exit- EXIT 125. proceed 0.3 miles. Turn LEFT onto W BLACKHAWK TRL / E BLACKHAWK TRL / CR-F51. Continue to follow W BLACKHAWK TRL / CR-F51. Proceed 0.2 miles. Turn LEFT onto S 11TH AVE. proceed 0.2 miles. End at 3560 S 11th Ave, Eldridge, IA 52748-9309.

Site Description: Active metal finishing facility

USGS Quadrant: Davenport East 7.5' main USGS Hydro Unit: _____

Latitude: 41.622499 **Longitude:** 93.608562
(Decimal Degree format) (with release of 3.17 see attached required location data form)

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

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

Operational Status: ☒ Active ☐ Inactive ☐ Unknown ☐ Blank
Native American Interest: ☐ Yes ☒ No

Non-NPL Status (Choose one):

☒ Not a Valid Site or Incident
☐ Not a Valid Site or Incident: NRC Lead
☐ Not a Valid Site or Incident: RCRA 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:** ____/____/____

Actual Complete: ____/____/____

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

SCAP Note: _____

Add below Action (if No Further Action):
OU_00__ Lead: EP
☐ PRE-CERCLIS ARCHIVE Actual Complete: ____/____/____
SCAP Note: _____
Comments: ☐ Site or ☐ Action: _____

Signatures:
States: _____ Date: 7/22/08 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 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.
- ☐ FT-Fabrics/textiles
- ☐ EE-Electronic/electrical equipment
- ☐ LW-Lumber and wood products/pulp and paper
- ☐ WP-Lumber and wood products/wood preserving/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)
- ☐ MD-Mine tailings disposal ☐ OT-Other-Desc.(needed):_____
- ☐ 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 ☐ OT-Other-Desc (needed):_____
- ☐ 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
- ☐ BS-Batteries/scrap metals/secondary smelting/precious metal recovery
- ☐ CC-Chemicals/chemical waste (e.g., solvent recovery)
- ☐ OT-Other-Description(needed):_____

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

Updated by Systems Research Group
03MAR06

REGION VII
U.S. ENVIRONMENTAL PROTECTION AGENCY

ENFORCEMENT SENSITIVE INFORMATION
FOR INTERNAL USE ONLY

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

SITE NAME: QC Coating **EPA ID:** _____

Latitude: 41.622499 **Longitude:** 93.608562 **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

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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

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

Accuracy Meters +/-: _____ ☒ **Accuracy Unknown** **Collection Date:** 7/21/2008

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.

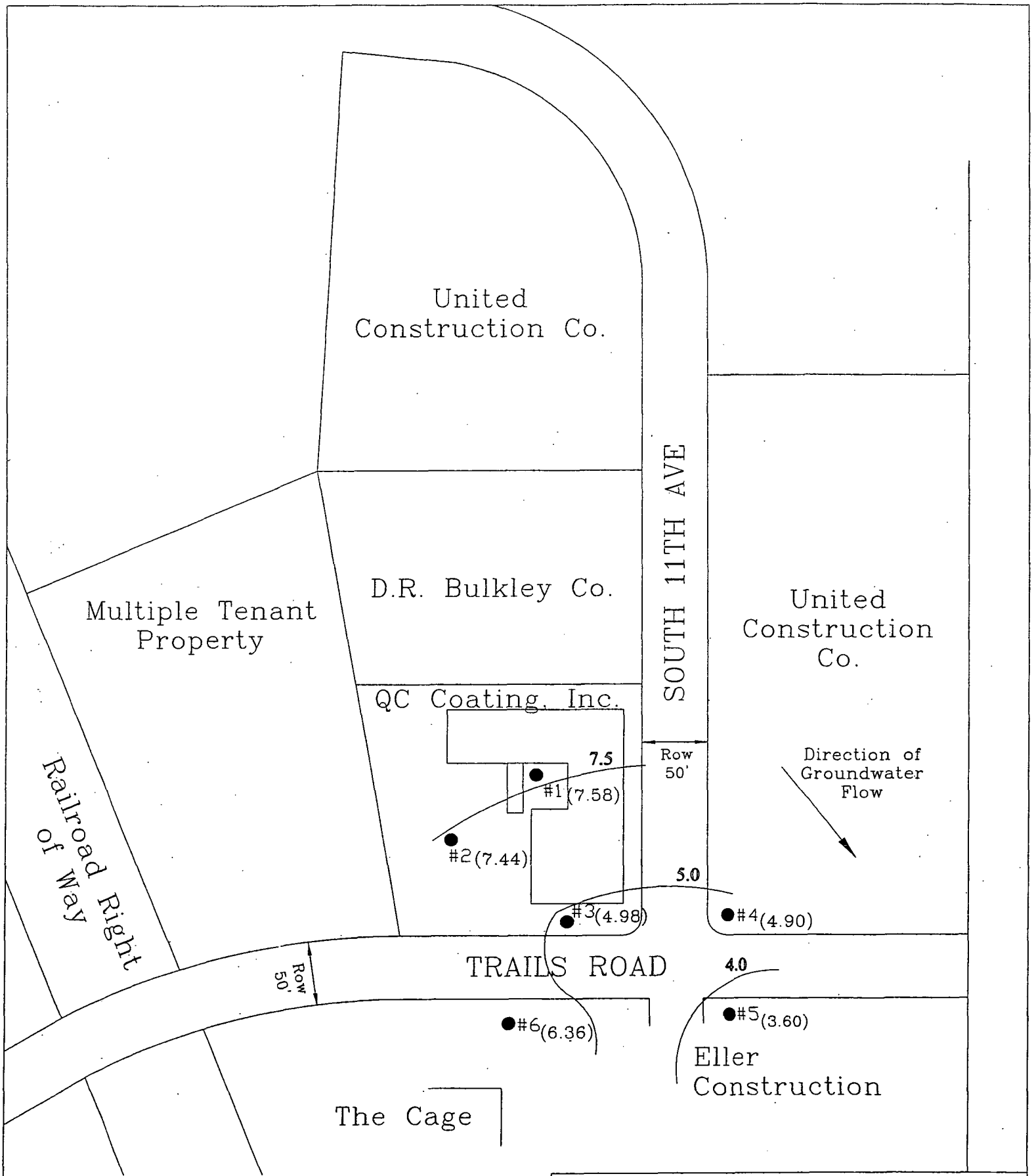


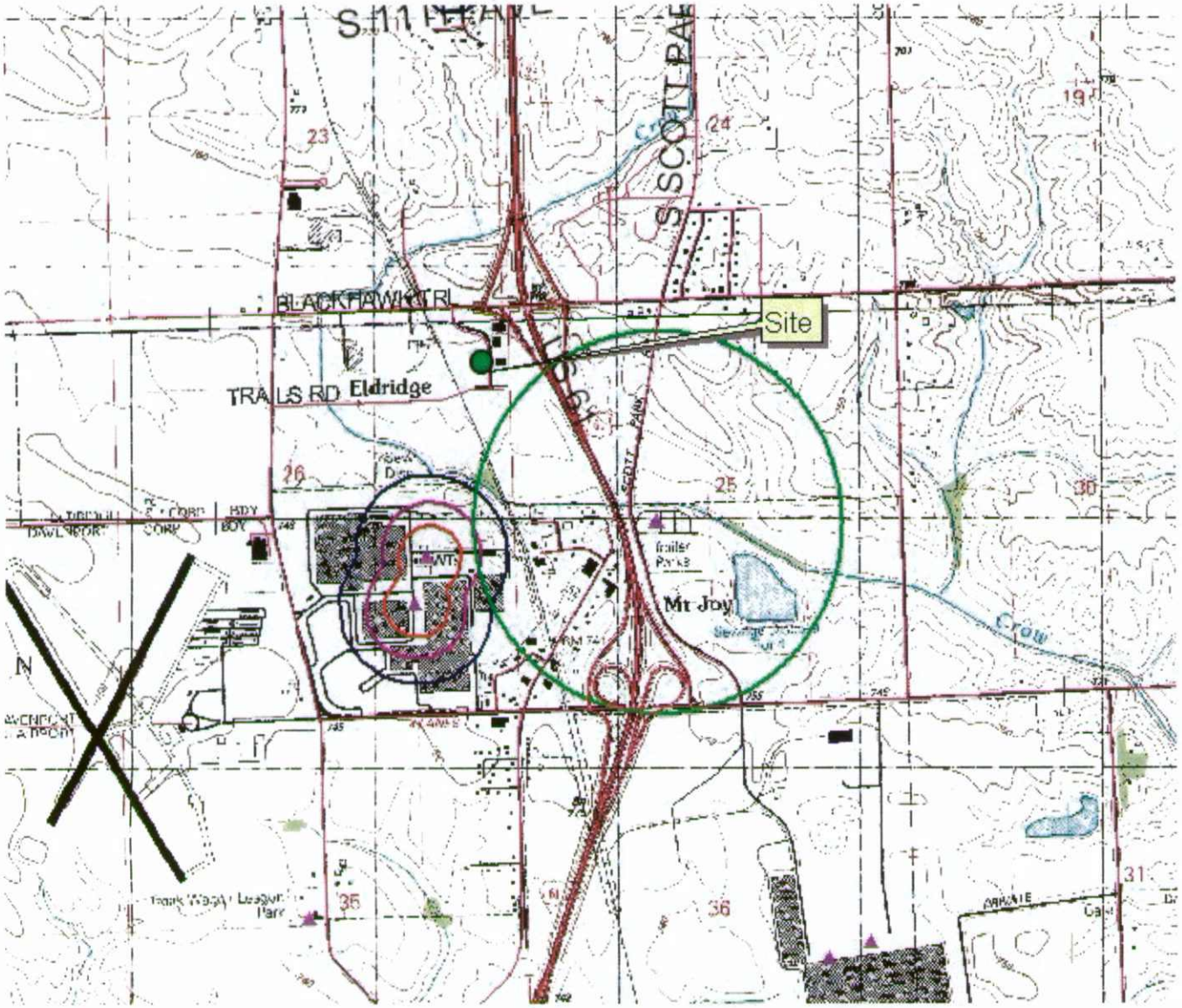
Figure 1 Site Map

QC Coatings Inc., Eldridge, Iowa

Preston Engineering, Inc.
environmental consultants

DRAWN BY: TLT	DATE: 11/30/07	DRAWING NUMBER:
REVISED: TLT	REVISED: 7/10/08	07572-5

QC Coatings Inc, Eldridge, Iowa



roads_2006_82.shp - Scott Co.
Nonmunicipal PWS
Source Water Protection Area
2-year
5-year
10-year
2500-foot
1-mile
primary protection area
surface runoff area
hydrologic boundary
County

N
W
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S