

**Site Name: Fort Dodge Multi-Purpose Trail, Fort Dodge, Iowa**

Pre-Remedial Initial Site Screening (ISS)

Project Manager: Jim Kacer

Date: May 21, 2009

***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 site is located in the City of Fort Dodge, along the Des Moines River. A multi-purpose recreational trail is planned on the banks of the river, and will include construction of a boat ramp, fishing pier, trail heads, and trails. Project areas have been designated as Central Riverfront, Sunkist Meadows East, Sunkist Meadows West, and Low Dam. Previous uses of these areas include:

- Central Riverfront – heavy manufacturing
- Sunkist Meadows East – heavy manufacturing
- Sunkist Meadows West – heavy manufacturing and residential
- Low Dam – commercial/industrial with intermixed residential, old city dump

The Iowa Department of Natural Resources (DNR) is evaluating this site in response to a 1/30/2008 Phase II Environmental Site Assessment report prepared for the US Army Corps of Engineers by Terracon Consultants, Inc. The Phase II ESA was apparently conducted in tandem with a geotechnical investigation of the site also conducted by Terracon. Several contaminants were measured at levels exceeding statewide standards, as outlined in a following section. Terracon recommended additional sampling of soils that could be disturbed by development of the trail, specifically soils in the vicinity of a former electrical plant, a junkyard, and former businesses in the Central Riverfront area because of the potential for presence of chemicals above statewide standards. No information regarding such additional sampling was provided to DNR.

A review of DNR records did not provide information regarding specific waste management practices on site, or information regarding contamination pathways, although public wells, leaking underground storage tank sites, and other sites of environmental concern were identified within the project boundaries and within ½ mile of the project boundaries.

***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 Phase II ESA indicates that samples from a number of geotechnical borings were analyzed for metals, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), organochlorine pesticides, and asbestos:

- Central Riverfront, 5 geotechnical borings, 4 of which were also environmental and tested as follows:
  - Composite samples from the 0 to 5 foot depth were submitted for SVOC, metals, and pesticide analysis.
  - Samples from the 3.5 to 5 foot depth were submitted for VOC analysis.
- Sunkist Meadows East, 9 geotechnical borings, 8 of which were also environmental and tested as follows:
  - Composite samples from the 0 to 5 foot depth were submitted for SVOC and metals analysis.
  - Samples from the 3.5 to 5 foot depth were submitted for VOC analysis.
- Sunkist Meadows West, 11 geotechnical borings, 6 of which were also environmental and tested as follows:
  - Composite samples from the 0 to 5 foot depth were submitted for SVOC and metals analysis.
  - Samples from the 3.5 to 5 foot depth were submitted for VOC analysis.
  - Samples from the 6 to 24-inch depth were analyzed for asbestos.
- Low Dam, 18 geotechnical borings, 13 of which were also environmental and tested as follows:
  - Composite samples from the 0 to 5 foot depth were submitted for SVOC, metals, and PCB analysis.
  - Samples from the 3.5 to 5 foot depth were submitted for VOC analysis.

Laboratory results are summarized in Table 1 in the following section.

***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.***

#### Soil

Thirty-two soil samples (including quality control samples) were collected and analyzed, based on the information provided to DNR, with the results summarized in Table 1 below. Note that some analyses (e.g., organochlorine pesticides, asbestos) were conducted only on a limited number of samples, based on whether there were historical data indicating the possible presence of these contaminants.

Table 1  
Soil Sample Results, mg/kg  
(Results exceeding statewide standards are listed in boldface type.)

<b>Chemical of Concern</b>	Frequency of Detection	Maximum Detected Concentration (mg/kg)	Statewide Standard (mg/kg)
<b>Volatile Organic Compounds</b>			
Acetone	25 of 32	0.091	68,000
Benzene	6 of 32	0.035	88
Methyl Ethyl Ketone	4 of 32	0.053	46,000
Carbon disulfide	7 of 32	0.014	7,600
Napthalene	1 of 32	0.068	1,100
Toluene	4 of 32	0.016	6,100
1,2, Dichloroethane	5 of 32	0.047	34
1,2, Dichloropropane	6 of 32	0.078	46
1,1,1-Trichloroethane	1 of 32	0.012	150,000
<b>Semi-Volatile Organic Compounds</b>			
Acenaphthene	16 of 30	0.058	3,400
Acenaphthylene	17 of 30	0.18	
Anthracene	24 of 30	0.53	17,000
Benzidine	1 of 30	0.330	110
Benzo[a]anthracene	29 of 30	1.4	3.1
Benzo[b]fluoranthene	29 of 30	1.6	3.1
Benzo[k]fluoranthene	29 of 30	1.0	31
Benzo[g,h,i]perylene	29 of 30	0.91	
Benzo[a]pyrene	29 of 30	<b>1.4</b>	0.31
Bis(2-ethylhexyl) phthalate	24 of 30	0.94	170
Butyl benzyl phthalate	1 of 30	0.062	1,300
Carbazole	7 of 30	0.37	120
Chrysene	28 of 30	1.5	310
Dibenz(a,h)anthracene	21 of 30	0.27	0.31
Dibenzofuran	10 of 30	0.130	120
Fluoranthene	27 of 30	2.3	2,300
Fluorene	18 of 30	0.24	2,300
Indeno(1,2,3-cd)pyrene	26 of 30	0.77	3.1
2-Methylnaphthalene	9 of 30	0.24	240
Naphthalene	21 of 30	0.22	1,100
Phenanthrene	26 of 30	2.0	
Pyrene	28 of 30	2.1	1,700

<b>Chemical of Concern</b>	<b>Frequency of Detection</b>	<b>Maximum Detected Concentration (mg/kg)</b>	<b>Statewide Standard (mg/kg)</b>
<b>Organochlorine Pesticides</b>			
DDE	1 of 4	0.015	7.1
DDT	1 of 4	0.0058	8.6
Dieldrin	1 of 4	0.00054	0.15
<b>PCBs</b>			
PCB - 1254	1 of 12	0.048	2.2
PCB - 1260	5 of 12	0.055	2.2
<b>Metals</b>			
Aluminum	30 of 30	15,000	
Antimony	10 of 30	2.7	31
Arsenic	30 of 30	15	17
Barium	30 of 30	290	15,000
Beryllium	30 of 30	<b>3.8</b>	2.6
Boron	30 of 30	94	
Cadmium	26 of 30	17	70
Calcium	30 of 30	57,000	
Chromium	30 of 30	21	97,000
Chromium, hexavalent	4 of 30	0.71	210
Cobalt	30 of 30	9.3	23
Copper	30 of 30	120	
Iron	30 of 30	45,000	
Lead	30 of 30	340	400
Lithium	30 of 30	20.8	
Magnesium	30 of 30	7,800	
Manganese	30 of 30	920	10,000
Molybdenum	27 of 30	40	390
Nickel	30 of 30	33	1,500
Potassium	30 of 30	1,900	
Selenium	19 of 30	4.7	390
Silicon	30 of 30	720	
Silver	26 of 30	0.79	370
Sodium	30 of 30	620	
Strontium	30 of 30	370	47,000
Tin	30 of 30	77	
Titanium	30 of 30	370	

Chemical of Concern	Frequency of Detection	Maximum Detected Concentration (mg/kg)	Statewide Standard (mg/kg)
Vanadium	30 of 30	60	490
Zinc	30 of 30	2,800	23,000
Mercury	25 of 30	0.39	23

Source: Terracon Consultants, Inc., *Phase II Environment Site Assessment, Fort Dodge Multi-Purpose Trail Phase II, Fort Dodge, Iowa*. January 30, 2008.

Benzo(a)pyrene was detected above its statewide standard in 9 of 30 soil samples, as summarized in Table 2 below. Each sample was a composite from a depth of 0 to 5 feet below ground surface.

Table 2  
Benzo[a]pyrene Soil Sample Results  
Exceeding Statewide Standards, mg/kg

Chemical of Concern	Concentration (mg/kg)	Sample Location	Statewide Standard (mg/kg)
Benzo[a]pyrene	1.3	CR1E	0.31
Benzo[a]pyrene	1.4	CR3E	0.31
Benzo[a]pyrene	0.33	SME6E	0.31
Benzo[a]pyrene	0.7	SMW13E	0.31
Benzo[a]pyrene	0.76	LD27E	0.31
Benzo[a]pyrene	1.4	LD29E	0.31
Benzo[a]pyrene	0.78	LD33E	0.31
Benzo[a]pyrene	0.47	LD38E	0.31
Benzo[a]pyrene	0.35	LD43E	0.31

Beryllium was detected above its statewide standard in 27 of 30 soil samples.

Note that entering the highest observed concentrations of benzo(a)pyrene and beryllium into IDNR's online risk calculator (<https://programs.iowadnr.gov/riskcalc/pages/calculator.aspx>) did not result in values exceeding the unacceptable risk thresholds for cancer and non-cancer risks.

Asbestos was detected in one boring, at a level below the statewide standard.

#### Groundwater

No groundwater samples were collected as part of the Phase II ESA.

Review of the site topographic map suggests that shallow groundwater flow is toward the Des Moines River.

***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 area surrounding the site is a mixture of commercial, industrial, and residential.

Several LUST sites were identified within the project boundaries:

- Municipal Building (LUST No. 8LTL41), 8 North 3<sup>rd</sup> Street. The site is classified as “no action required”, with a cleanup completion date of 3/28/2003.
- Fort Dodge Maintenance (LUST No. 7LTH55), 8 South 3<sup>rd</sup> Street. The site is classified as “high risk” based on the soil vapor to enclosed space and the groundwater vapor to enclosed space pathways.
- Hormel (LUST No. 7LTX60), 160 N 1<sup>st</sup> Street. The site is classified as “no action required”, with a cleanup completion date of 9/19/1990.

Eight other LUST sites were identified within ¼ mile of the site, but are classified as “no action required”, with the following exceptions:

- Downtown Sinclair (LUST No. 8LTB68), 309-315 2<sup>nd</sup> Avenue South. The site is classified as “high risk” based on the groundwater vapor to enclosed space pathway.

Six other LUST sites were identified between ¼ and ½ mile of the site, but are classified as “no action required”.

One manufactured gas facility is located within ¼ mile of the property boundary:

- The Fort Dodge Former Manufactured Gas Plant, located Haskell and North 5<sup>th</sup> Street. DNR issued a no further action certificate for this site on August 24, 2004.

Numerous wells were identified on the property or within ½ mile of the property boundary:

- Four municipal wells within the project boundary, with another five within ¼ mile of the project boundary, and one between ¼ mile and ½ mile of the project boundary. The wells are all clustered near the north end of the project boundary.
- No private wells within the project boundary, two within ¼ mile of the project boundary (both heat pump-related), and three between ¼ mile and ½ mile of the project boundary.
- Two nonmunicipal public water supply wells are located within the project boundary, both owned by AG Processing, Inc. One is 1,190 feet deep, while the other is 1,493 feet deep.
- Six industrial wells within the project boundary (43 – 1,493 feet deep), with another one (404 feet deep) within ¼ mile of the project boundary, and two (400 and 2,020 feet deep) between ¼ mile and ½ mile of the project boundary.
- One plugged household well (50 feet deep) and one plugged monitoring well (20 feet deep) within ¼ mile of the project boundary. Approximately one dozen plugged monitoring wells associated with LUST sites are located between ¼ mile and ½ mile of the project boundary.

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

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

Benzo(a)pyrene was detected above its statewide standard in 9 of 30 soil samples. Each sample was a composite from a depth of 0 to 5 feet below ground surface.

Beryllium was detected above its statewide standard in 27 of 30 soil samples.

Asbestos was detected in one boring, at a level below the statewide standard.

The Phase II ESA recommended additional sampling of soils that could be disturbed by development of the trail, specifically soils in the vicinity of a former electrical plant, a junkyard, and former businesses in the Central Riverfront area because of the potential for presence of chemicals above statewide standards.

Note that entering the highest observed concentrations of benzo(a)pyrene and beryllium into IDNR's online risk calculator (<https://programs.iowadnr.gov/riskcalc/pages/calculator.aspx>) did not result in values exceeding the unacceptable risk thresholds for cancer and non-cancer risks.

No further action is required under CERCLA or state authority. Note that the assessment was very limited, given the size of the project area, and that the no further action decision was based only on the data provided to the department. If a more detailed assessment is provided to the Department, this ISS may be refined based on the new data, and further action may be necessary.

Form Reviewed: Cal Anthony Date Reviewed: 5/20/09

# 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:** Jim Kacer, Environmental Specialist 5/6/2009  
(Name/Title) (Date)  
Iowa DNR, Wallace Bldg, Des Moines, IA 50319 515.281.4117  
(Address) (Phone)  
Jim.Kacer@dnr.iowa.gov  
(E-mail Address)

**Site Name:** Fort Dodge Multi-Purpose Trail, Fort Dodge, Iowa

**Previous Names (if any):** \_\_\_\_\_

**Site Location:** East and west banks of Des Moines River

Fort Dodge IA 50501  
(City) (ST) (Zip)

**Latitude:** 42.4944 **Longitude:** -94.1889

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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>

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:**

Benzo(a)pyrene was detected above its statewide standard in 9 of 30 soil samples. Each sample was a composite from a depth of 0 to 5 feet below ground surface.

Beryllium was detected above its statewide standard in 27 of 30 soil samples.

Asbestos was detected in one boring, at a level below the statewide standard.

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Note that entering the highest observed concentrations of benzo(a)pyrene and beryllium into IDNR's online risk calculator (<https://programs.iowadnr.gov/riskcalc/pages/calculator.aspx>) did not result in values exceeding the unacceptable risk thresholds for cancer and non-cancer risks.

No further action is required under CERCLA or state authority. Note that the assessment was very limited, given the size of the project area, and that the no further action decision was based only on the available limited data. If a more detailed assessment is provided to the Department, this ISS may be refined based on the new data, and further action may be necessary.

**Regional EPA Reviewer:** \_\_\_\_\_

Print Name/Signature Date

**State Agency/Tribe:** \_\_\_\_\_

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:** Fort Dodge Multi-Purpose Trail, Fort Dodge, Iowa

**EPA ID:** \_\_\_\_\_

**Latitude:** 42.4944 **Longitude:** -94.1889  
(Decimal Degree format)

**Measurement Sequence:** \_\_\_\_\_  
(See Comment A)

- Lat/Long Source:**
- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Contractor           | <input type="checkbox"/> EPA Headquarters                          | <input type="checkbox"/> (Blank)   |
| <input type="checkbox"/> Dun & Bradstreet     | <input type="checkbox"/> Epic                                      |  |
| <input type="checkbox"/> EPA Region 7         | <input checked="" type="checkbox"/> Other USGS National Map Viewer |  |
| <input type="checkbox"/> Geograph             | <input type="checkbox"/> Private                                   | <b>Designate Lat/Long:</b> <input checked="" type="checkbox"/> Primary <input type="checkbox"/> NPL Coordinate |
| <input type="checkbox"/> Other Federal Agency | <input type="checkbox"/> SNAP                                      |  |
| <input type="checkbox"/> Regulated Entity     | <input type="checkbox"/> Tribe                                     |  |
| <input type="checkbox"/> State                | <input type="checkbox"/> Unknown                                   |  |

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

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

**Reference Datum:**  NAD27  NAD83  Other  Unknown  WGS84

**Accuracy Meters +/-:** \_\_\_\_\_  Accuracy Unknown **Collection Date:** \_\_\_\_/\_\_\_\_/\_\_\_\_

- Verification Method:**
- |   |   |                                       |
|---|---|---------------------------------------|
| <input type="checkbox"/> Ground Truth Conducted                           | <input type="checkbox"/> Point In Polygon (County)                            | <input type="checkbox"/> Blank        |
| <input type="checkbox"/> Point in Polygon (Zip)                           | <input type="checkbox"/> Proximity to Alternative Facility Coordinate)        | <input type="checkbox"/> Not Verified |
| <input type="checkbox"/> Proximity to Polygon Centroid(Other)             | <input type="checkbox"/> Proximity to Polygon Centroid (Zip Code)             |                                       |
| <input type="checkbox"/> Verified Relative to Map Features (1:100K/Tiger) | <input checked="" type="checkbox"/> Verified Relative to Map Features (1:24K) |                                       |
| <input type="checkbox"/> Verified Relative to Map Features (Other)        | <input type="checkbox"/> Verified, Unknown Method                             |                                       |
| <input type="checkbox"/> Proximity to Polygon Centroid (County)           | <input type="checkbox"/> Point in Polygon (Other)                             |                                       |

**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.



**REGION VII U.S. EPA SUPERFUND  
NO DISCOVERY DATE**

**PRE-CERCLIS INITIATION FORM**

NPL Status = O-NOT A VALID SITE OR INCIDENT

Site Name: O'Halloran International, Cherokee, Iowa

Identified By: \_\_\_\_\_

- Removal  Site Assessment  Federal Facilities  States  
 Other Federal Agency  Check if:  FUD Site

Address: 1324 S. 2<sup>nd</sup> Street

County Name: Cherokee

City, State, Zip: Cherokee, Iowa 51012

State ID (if one exists): \_\_\_\_\_

Congressional District: \_\_\_\_\_

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: Head south out of Cherokee on US Highway 59 (S. 2<sup>nd</sup> Street). Turn east on Borderline Drive, and immediately north onto the frontage road. The site is the first property north of Borderline Drive on the east side of the frontage road.

Site Description: Truck and ag implement maintenance facility.

USGS Quadrant: \_\_\_\_\_ USGS Hydro Unit: \_\_\_\_\_

Latitude: 42.728889 Longitude: -95.551667  
 (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  Bank/Loan Company  Municipality  
 Operator  County Owned  Other  
 Type  District Owned  Private  
 Federally-Owned  Mixed Ownership  
 Former Federally Owned or Operated  State Owned  
 Former Federally Owned or Operated  State Owned  
 Government Owned/Contractor Operated  Trustee, Federal  
 Privately Owned/Government Operated  Trustee, State  
 Property Defaulted Back to Government  Unknown  
 Brownfields/Public

- 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: \_\_\_\_/\_\_\_\_/\_\_\_\_ 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.  
 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): \_\_\_\_\_



**REGION VII  
U.S. ENVIRONMENTAL PROTECTION AGENCY**

ENFORCEMENT SENSITIVE INFORMATION  
FOR INTERNAL USE ONLY

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

SITE NAME: O'Halloran International, Cherokee, Iowa

EPA ID: \_\_\_\_\_

Latitude: 42.728889 Longitude: -95.551667  
(Decimal Degree format)

Measurement Sequence: \_\_\_\_\_  
(See Comment A)

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

- 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:  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.

# Fort Dodge Multi-Purpose Trail Phase II Fort Dodge, Iowa

Locations Where Benzo(a)pyrene Exceeded the Statewide Standard

