CON: 12-15 Doc # 31032

### Site Name: Ankeny Sanitary Dump - East, Ankeny, Iowa

Initial Site Screening (ISS)

**Project Manager: Daniel Cook** 

Date: June 12, 2015

3931 - Phase II Assessment Review — Brownfield Funded  Phase II submitted as part of standard real estate development, pre-purchase agreement, or other due diligence, not a part of a community grant project, or			
3837 - Phase II Assessment - Brownfield Grant Funded  Phase II submitted as part of an EPA grant funded community-wide or targeted assessment project - see Mel Pins if questions on this determination, or			
3321 - Phase II Assessment Review - CERCLA Pre-Remedial Funded Phase II submitted that is not part of a real estate transaction			
Location:  Latitude: 41.707062 Longitude: -93.554788 (Decimal Degree format)			
County: Polk			
USGS Quadrant: Des Moines NE			
<b>Site Size:</b> 20.47			
Site Dimension: Square Feet Square Miles Miles			
Site Alias Name(s): None			
Congressional District:			
Grant Recipient Name, Address & Contact: NA			
Current Owner & Address: Beverly J Bianchi, 504 SW Cherry St, Ankeny, IA 50023			
Responsible Party Name(s) & Address, if different from current owner: City of Ankeny, lowa			
Site Street Address or Tier, Range, Section & Subsections (if street address is unknown) South ½ of the NE ¼ SW ¼ & South ½ of the NW ¼ SE ¼ lying west of NE Berwick Drive in Section 29, Township 80, Range 23, Polk County, Iowa			

#### Directions to site:

From Interstate 35 in Ankeny take exit 90 to State Hwy 160 and go east on Hwy 160 for 1.2 miles. Go north on NE Berwick Drive for ¼ mile and the site will be on the west side of the road. (See Figure 1)

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)

Prior to 1964 the site consisted of 20 acres of pasture that was approximately 50 percent forested with no history of any improvements other than possibly small sheds for livestock.

Under a November 6, 1961 lease agreement with the City of Ankeny, a portion of the site was used as a municipal dump from 1964 through 1967. When the dump closed it was capped and the site was returned to agricultural use. The current owner is not the property owner (lessor) that owned the property during the use of the site as a dump.

Today the property remains undeveloped with approximately 70 percent forest and 30 percent tilled.

Underground utilities are found on the eastern boundary of the property along NE Berwick Drive but there are no private hookups on the property. There are no water, storm water drains, or sanitary sewer systems on the property.

# 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.)

Three soil boreholes were drilled to analyze the soil across the site. Boring B-1 was drilled to 25 feet below the surface and boring B-2 and B-3 drilled to 20 feet deep. Soil descriptions and photoionization detector (PID) readings were collected and recorded in the boring log for each boring. The two down gradient borings, B-1 and B-3, were located close to the boundaries of the property in the direction of anticipated groundwater flow. Boring B-2 was the considered the background location. A saturated sand seam was noted in the three borings around 16 feet below the surface. Soil samples collected from boring B-1 and B-2 at the groundwater interface were sent to the laboratory and analyzed for RCRA metals using EPA Method 6010B. No sampling was done in the former dump site

The three borings were converted to 2 inch PVC monitoring wells (MW-1, 2 and 3) and were purged and allowed to stabilize prior to groundwater measurements and sampling. The water table was found around 12 feet below the surface in each of the three monitoring wells. Groundwater samples collected from MW-1 and MW-2 were analyzed for volatile organic compounds (VOCs) using EPA Method 8260B.. The groundwater sample collected from MW-3 was analyzed for semi-volatile organic compounds (SVOCs) using EPA Method 8270C. The elevation of the wells were not surveyed in so groundwater flow was not determined but was estimated to be to the west-southwest towards Hickory Lake directly to the southwest of the site. See Figure 2 for the soil boring and monitoring well locations.

Summarize the findings and conclusions regarding the contaminants found and their extent and concentrations. Relate those values to known criteria such as action levels, MCLs, water quality standards, background levels or other benchmarks used to determine site priority.

The soil samples were collected from the southwest corner (B-1) and north central area (B-2) of the property and analyzed for RCRA metals. Cadmium, mercury,

selenium and silver, were not detected above the laboratory method detection limits. Barium, chromium, and lead were detected in both soil samples B-1 and B-2 but at levels below their respective Statewide Standards for soil. Arsenic was detected in B-1 at 2.9mg/kg and B-2 at 5.7mg/kg with the Statewide Standards for soil at 1.7mg/kg or 17mg/kg as an accepted background level statewide. The levels of arsenic found at B-1 and B-2 are typical of naturally occurring levels found throughout the State of lowa.

Groundwater samples were collected from monitoring wells MW-1 and MW-2 and analyzed for VOCs only. In MW-1 benzene was detected at 8.6ug/L with the action level at 5ug/L. Chloroethane, 1,2 dichloroethane, 1,1,2-trichloroethane, chlorobenzene, 4-methyl 2-pentanone, and 1,2-dichlorobenzene were also detected in MW-1 above the method detection limit but below the action levels for groundwater. No VOCs were detected above the method detection limit in monitoring well MW-2. Bis(2-ethylhexyl)phthalate was the only SVOC detected in monitoring well MW-3 at 20ug/L with the action level at 6ug/L. Bis(2-ethylhexyl)phthalate is commonly known as DEHP and is used in the production of polyvinyl chloride (PVC) piping and other plastics.

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 subject property is found within a 20 acre undeveloped parcel used for livestock grazing and row crops. The parcel bordering to the west contains a five acre private lake (Hickory Lake) with four housing units along the western shoreline. The dump site is within 250 feet of Hickory Lake and the surface water drainage from the dump site flows into the lake. Groundwater flow has also been estimated to flow towards the lake. Areas directly to the west and north of Hickory Lake are heavily developed as a residential area. Parcels to the east and south of the site are generally used for agriculture purposes and/or low density housing.

One private well is located within  $\frac{1}{2}$  mile of the site and is listed as household use. Nine private wells are between  $\frac{1}{2}$  and  $\frac{1}{2}$  mile with seven of them listed as household use and two for heat pumps (geothermal). No municipal wells or intakes are found within  $\frac{1}{2}$  mile. See Figure 3 for the private wells locations.

The underground utilities are found 1,000 feet to the east of the former dump site along NE Berwick Drive.

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. The site is a known disposal site warranting further evaluation. VOCs may have been disposed of in the dump site with the possibility of uncontrolled leachate impacting the groundwater. Iowa Code 455B.304.13 grants an exemption for municipal landfills that closed prior to July 1, 1992 for post closure leachate controls and for the revocation of the exemption if leachate is found.

Benzene was detected in MW-1, located 250 feet from the dump site, at 8.6ug/L with the action level at 5ug/L. Chloroethane, 1,2 dichloroethane, 1,1,2-trichloroethane, chlorobenzene, 4-methyl 2-pentanone, and 1,2-dichlorobenzene were detected above the method detection limit but below action levels for groundwater. Although the benzene was the only VOC detected above an action level the concern is the contaminants may be leachate from the dump site.

With the surface water flow and potentially the groundwater flow towards Hickory Lake, a surface water sample may need to be collected and analyzed for the chemicals of concern.

The SVOC bis(2-ethylhexyl)phthalate was found at monitoring well MW-3 above the groundwater action level but VOCs were not tested for at MW-3. Additional testing for VOCs is needed at MW-3 to determine if dumping occurred in other locations on the property. Historic aerial photos show the area around MW-3 was disturbed at the same time the dump site was in use. See Figure 4 for the areas with disturbed soil.

Site recommended for:  No further action  Additional investigation und  Additional investigation und  Transfer to LUST/UST		
Form Reviewed:	ollen Di	ate Reviewed: 6/29/15 Revised 3/2015

### 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:	Daniel Cook 06/09/20	)15				
	(Name/Title) (Date)					
	502 E 9 <sup>th</sup> Street, Des Moines Iowa 50319 515-725	-8371				
	(Address) (Phone)					
	dan.cook@dnr.iowa.gov					
	(E-mail Address)					
Site Name:	Ankeny Sanitary Dump - East					
Previous Names (if any):						
Site Location:	8130 NE Berwick Drive					
	Ankeny IA 50023					
	(City) (ST) (Zip)					
Latitude:	41.707062 Longitude: -93.554788					
Compare the following	g checklist. If "yes" is marked, please explain below.	YES	NO			
Does the site alread		<del></del>	Ø			
	products that are part of the structure of, and result in exposure within,					
	businesses or community structures?					
	et of a release of a naturally occurring substance in its unaltered form,					
	h naturally occurring processes or phenomena, from a location where					
it is naturally found?						
4. Is the release into	a public or private drinking water supply due to deterioration of	п	$\boxtimes$			
the system through o		ш				
	am actively involved with the site (i.e., another Federal, State, or Tribal	П	$\boxtimes$			
program)?						
	substances potentially released at the site regulated under a statutory im, natural gas, natural gas liquids, synthetic gas usable for fuel,					
	ertilizer, release located in a workplace, naturally occurring, or					
regulated by the NRC,						
	substances potentially released at the site excluded by policy		M			
considerations (e.g., de	eferral to RCRA Corrective Action)?		$\boxtimes$			
8. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g.,						
comprehensive remedial investigation equivalent data showing no release above ARARs,						
completed removal action, documentation showing that no hazardous substance release have occurred, EPA approved risk assessment completed)?						
Please explain all "yes	s" answer(s), attach additional sheets if necessary:					

06/25/15 1 REV OCT 02

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).
of in the dump site with Code 455B.304.13 gran for post closure leachate Benzene was detected i level at 5ug/L. Chloroet methyl 2-pentanone, an but below action levels fabove an action level the With the surface water f surface water sample management of the SVOC bis(2-ethylhete groundwater action level needed at MW-3 to determine the surface water sample management of the surface water sample water sample management of the surface water sample water sampl	N/RATIONALE: cosal site warranting further evaluation. VOCs may have been disposed the possibility of uncontrolled leachate impacting the groundwater. Iowa its an exemption for municipal landfills that closed prior to July 1, 1992 to controls and for the revocation of the exemption if leachate is found.  In MW-1, located 250 feet from the dump site, at 8.6ug/L with the action hane, 1,2 dichloroethane, 1,1,2-trichloroethane, chlorobenzene, 4-dd 1,2-dichlorobenzene were detected above the method detection limit for groundwater. Although the benzene was the only VOC detected to econcern is the contaminants may be leachate from the dump site.  Illumentary locations of concern.  Extensive the service of the chemicals of concern.  Extensive the service of the chemicals of concern.  Extensive the service of the chemicals of the chemicals of concern.  Extensive the service of the chemicals of the chemi
Regional EPA Reviewer:	
2	Print Name/Signature Date
State Agency/Tribe:	Print Name/Signature Col Budle 6/29/15  Date

ENFORCEMENT SENSITIVE INFORMATION FOR INTERNAL USE ONLY

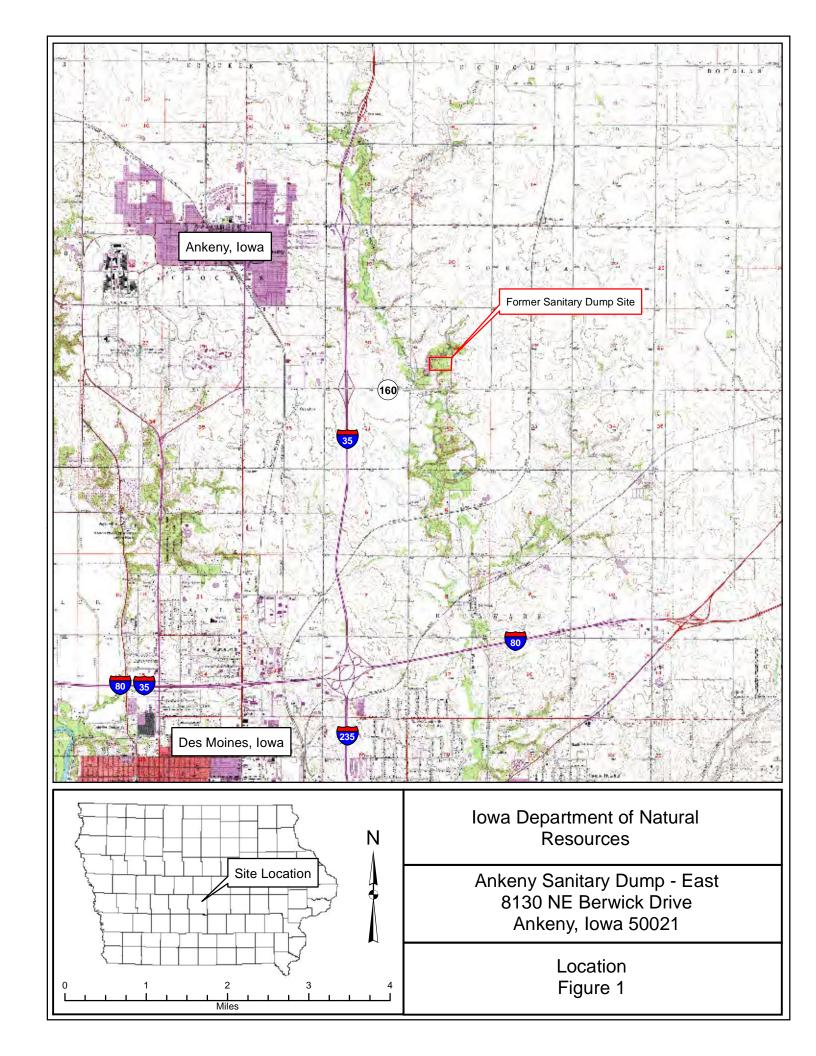
#### LOCATION FORM - (Required information highlighted in red)

SITE NAME: 8130	NE Berwick Drive		EPAID: NA	
Latitude: 41.70706 (Decimal Decree form		Measurement Sequ	(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/Lon: ☑ Prim	nary NPL Coordinate
Address Matchi Address Matchi Census Block/T GPS Carrier Ph GPS Code (Pse GPS Code (Pse Interpolation-Matchine)	ng -Nearest Intersection ng - Other fract - 1990 - Centroid lase Static Relative Position eudo Range) Differential eudo Range) Standard Position ap Interpolation - M Interpolation - Covey-Quarter Section	GPS Code (Pseudo Range) Pre Service SA-On GPS GPS Interpolation -Photo Dther GPS LORAN C Public Land Survey-Sec	Name Address Material A	k/Group 1990-Centroid er Inadian Active Control System Range) Standard Position (SA-Of Map Source (TIGER) Polation - SPOT Public Land Survey-Footing
	1 - 7 W			
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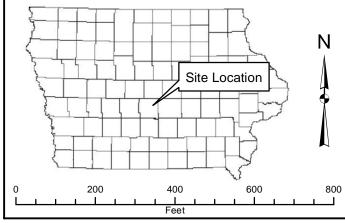


## PRE-CERCLIS INITIATION FORM NPL Status = O-NOT A VALID SITE OR INCIDENT

Address: 8130 NE Berwick Drive	Site Name: Ankeny Sanitary Dump - East	Identified By:	☐ Removal ☐ Site Assessment ☐ Federal Facilities ☐ States ☐ Other Federal Agency Check if: ☐ FUD Site
Not a Federal Facility   Status Undetermined	Address: 8130 NE Berwick Drive	County Name: Polk	
M-(MOKS) MOKS remedial Branch   G-(ER&R) Emergency Response & RV Branch   G-(ER&R) Emergency Response Response RV Branch   G-(ER&R) Emergency Response Response RV Branch   G-(ER&R) Emergency Response Response RV Branch   G-(ER&R) Emergency Response & RV Branch   G-(ER&R)   G-	City, State, Zip: Ankeny, IA 50023  NPL Status: =: Not a Valid Site or Incident Federal		네트 등이 그렇게 이 개보면 경투에 없었다면 가입니다면 하는데 되고요요요 하는데 그리고 요요요요요.
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Site Description: Forms runnicinal dump    Site Description: Exams runnicinal dump   Site Observation: Exams runni	List Site Alias Name (s):		
Site Type:   Choose all that apply - for every main category beasen in bodd at least one sub-category must be selected; if more than one and sub-category is selected indicate which is primary):   Latitude: 41.707062	Directions to Site: From Interstate 35 in Ankeny take will be on the west side of the road.	exit 90 to State Hwy 160 and go	east on Hwy 160 for 1.2 miles, Go north on NE Berwick Drive for 1/2 mile and the site
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Latitude: 41.707052   Longitude: 93.534788     Decimal Pepre format) (vitil refease of 3.17 see attached required location data form)			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
Decimal Degree formal) (with release of 3.17 see attached required location data form)			and sub-category is selected indicate which is primary):
M. Manufacturing/Processing/Maintenance - Applicable sub-categories   CG-Coal gasification   CG-Coal gasificatio			Primary Designation:
Degrees   Minutes   Kilometers   Meters		-7-	MP-Manufacturing/Processing/Maintenance - Applicable sub-categories:
CP-Coke production   County Owned   Other			
Departor   Gounty Owned   Other   District Owned   Other   Private   Gounty Owned   Other   Private   Gounty Owned   Other   Private   Gounty Owned   Other   Private   Gounty Owned   Other   State Owned   Mixed Ownership   State Owned   State Owned   State Owned   State Owned   Other	☐ Degrees ☐ Minutes	☐ Kilometers ☐ Meters	
Departur   County Owned   Other   Ot			
Departur	Owner Rank/Loan Company	☐ Municipality	
District Owned			
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Government Owned/Contractor Operated   Trustee, Federal   Trustee, Federal   Trustee, State   Property Defaulted Back to Government   Trustee, State   Property Defaulted Back to Government   Unknown   Brownfields/Public   Trustee, State   Unknown   Brownfields/Public   Trustee, State   Unknown   Brownfields/Public   Trustee, State   Unknown   Brownfields/Public   Trustee, State   Trustee, Sta		☐ Mixed Ownership	☐ WP-Lumber and wood products/wood preserving/preserving/treatment
Government Owned/Contractor Operated	☐ Former Federally Owned or Operated	State Owned	MF-Metal fabrication/finishing/coating and allied industries
Privately Owned/Government Operated   Trustee, State   Property Defaulted Back to Government   Unknown   Brownfields/Public   Property Defaulted Back to Government   Unknown   Blank   TA-Tamnries   OT-Other-Description(needed):   Tampries   TA-Tamnries   OT-Other-Description(needed):   Tampries   TA-Tamnries   OT-Other-Description(needed):   Tampries   TA-Tamnries   OT-Other-Description(needed):   Tampries   Tamprie			
Property Defaulted Back to Government   Unknown   Blank   Brownfields/Public   Unknown   Blank   Native American Interest:   Yes   No   Unknown   Blank   Unknown   Unkno			
Brownfields/Public   Charactive   Unknown   Blank   Native American Interest:   Yes   No   No a Valid Site or Incident   No a Valid Site or Incident: NRC Lead   No a Valid Site or Incident: RCRA Lead   No a Valid Site or Incident: Tribal Lead   No a Valid Site or Incident: RCRA Lead   No a Valid Site or Incident: Tribal Lead   No a Valid Site or Incident: RCRA Lead   No a Valid Site or Incident: Tribal Lead   RW-Radioactive waste treatment, storage, disposal (non-generator)   MD-Mine tailings disposal (non-generator)   MM-Municipal solid waste landfill   RW-Radioactive waste treatment, storage, disposal (non-generator)   MC-Minerapper   MC-Ground water plume site with no identifiable source   DC-Dust control   OT-Other-Desc (needed):   RC-Retail/commercial   SC-Retail/commercial   S			
TA-Tanneries   OT-Other-Description(needed):		ent Unknown	
TS-Trucks/ships/trainstaircraft and related components	Brownfields/Public		
MI-Mining - Applicable sub-categories   CO-Coal   ME-Metals   NM-Non-metal minerals   OG-Oil and fas   OT-Other-Description(needed):	Operational Status: Active M Inactive	□ Unknown □ Blook	
CO-Coal   ME-Metals   NM-Non-metal minerals   OG-Oil and Giss   OT-Other-Description(needed):		_ Olikilowii _ Blank	
OG-Oil and Gas   OT-Other-Description(needed):	Tes Z		
Not a Valid Site or Incident  Not a Valid Site or Incident  Not a Valid Site or Incident: RCRA Lead  Not a Valid Site or Incident: Tribal Lead  MD-Mine tailings disposal OT-Other-Desc. (needed):  ML-Municipal solid waste landfill  RW-Radioactive waste treatment, storage, disposal (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  Actual Complete: 06/09/2015  Actual Complete:			
Not a Valid Site or Incident	Non-NPL Status (Choose one):	l l	
Not a Valid Site or Incident: RCRA Lead	Constitution of the Consti	1	
Not a Valid Site or Incident: Tribal Lead   MD-Mine tailings disposal   OT-Other-Desc.(needed):   MI-Municipal solid waste landfill   RW-Radioactive waste treatment, storage, disposal (non-generator)   MI-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   DC-Dust control   OT-Other-Desc (needed):   GP-Ground water plume site with no identifiable source   DC-Dust control   OT-Other-Desc (needed):   GP-Ground water plume site with no identifiable source   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   RS-Batteries/scrap metals/secondary smelting/precious metal recovery   CC-Chemicals/chemical waste (e.g., solvent recovery)   OT-Other-Description(needed):	Not a Valid Site or Incident Not a V	alid Site or Incident; NRC Lead	☐ ID-Illegal disposal/open dump
ML-Municipal solid waste landfill   RW-Radioactive waste treatment, storage, disposal (non-generator)   MC-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   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):   ST-Other-Description(needed):   ST-Other-Descri	Not a Valid Site or Incident: RCRA Lead 🔲 Not a Va	did Site or Incident: State Lead	
RW-Radioactive waste treatment, storage, disposal (non-generator)   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   DC-Dust control   OT-Other-Desc (needed):     GP-Ground water plume site with no identifiable source   DC-Dust control   OT-Other-Desc (needed):     GP-Ground water plume site with no identifiable source   DC-Dust control   OT-Other-Desc (needed):     GP-Ground water plume site with no identifiable source   DC-Dust control   OT-Other-Description and 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):	Not a V	alid Site or Incident: Tribal Lead	
Add Action: OU_00_ PRE-CERCLIS SCREENING: Planned Complete: 06/09/2015    Actual Complete: 06/09/2015   Actual Complete: 06/09/2015   CS-Contaminated sediment site with no identifiable source   DC-Dust control   OT-Other-Desc (needed):   GP-Ground water plume 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):			
AG-Agricultural (e/g, grain elevator)     CS-Contaminated sediment site with no identifiable source     DC-Dust control   OT-Other-Desc (needed):     DC-Dust	Add Action: OU 00		
CS-Contaminated sediment site with no identifiable source   DC-Dust control   OT-Other-Desc (needed):		plete: 06/09/2015	
DC-Dust control   OT-Other-Desc (needed):	Timurd Com	MARCO VOI VOI EVILO	
Actual Complete: 06/09/2015  Lead code (choose one)  F-EPA Fund Financed   FF - Federal Facility   S - State, Fund Financed   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):			
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   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):	Actual Compl	lete: 06/09/2015	
RD-Research,development,and testing facility   RC-Retail/commercial   RC-Retail/commercia	ACCOUNT OF THE PARTY OF THE PAR		
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   TW-Treatment works/septic tanks/other sewage treatment   TW-Treatment works/septic tanks/other sewage treatment   RE-Recycling - Applicable sub-categories   AT-Automobiles/tires   DT-Drums/tanks   WO-Waste/used   RS-Batteries/scrap metals/secondary smelting/precious metal recovery   CC-Chemicals/chemical waste (e.g., solvent recovery)   OT-Other-Description(needed):	▼ F-EPA Fund Financed  FF - Federal Facility	S - State, Fund Financed	☐PS-Product Storage/distribution
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			
TP-Transportation (e.g., railroad yards, airport, barge docking, site)  TW-Treatment works/septic tanks/other sewage treatment  TW-Treatment works/septic tanks/other sewage treatment  RE-Recycling - Applicable sub-categories  DU_00_	arny (a)		
TW-Treatment works/septic tanks/other sewage treatment  RE-Recycling - Applicable sub-categories  OU_00_	SCAP Note:		
Add below Action (if No Further Action):  DU_00_ Lead: EP  DRE-CERCLIS ARCHIVE Actual Complete://  SCAP Note:  Comments: Site or Action:  DI_Action:			
DU_00_ Lead: EP  DT-Drums/tanks	Add below Action (if No Further Action)		
☐ PRE-CERCLIS ARCHIVE     Actual Complete://     BS-Batteries/scrap metals/secondary smelting/precious metal recovery       SCAP Note:     CC-Chemicals/chemical waste (e.g., solvent recovery)       Comments:     Site or       OT-Other-Description(needed):	그렇게 되었습니다 되어 뭐 그리고에게 하는데 모든데 그리고 있다면 되었다. 그리고 말했다.		
SCAP Note:  CC-Chemicals/chemical waste (e.g., solvent recovery)  OT-Other-Description(needed):  Comments:  OT-Other-Description(needed):		olete: / /	
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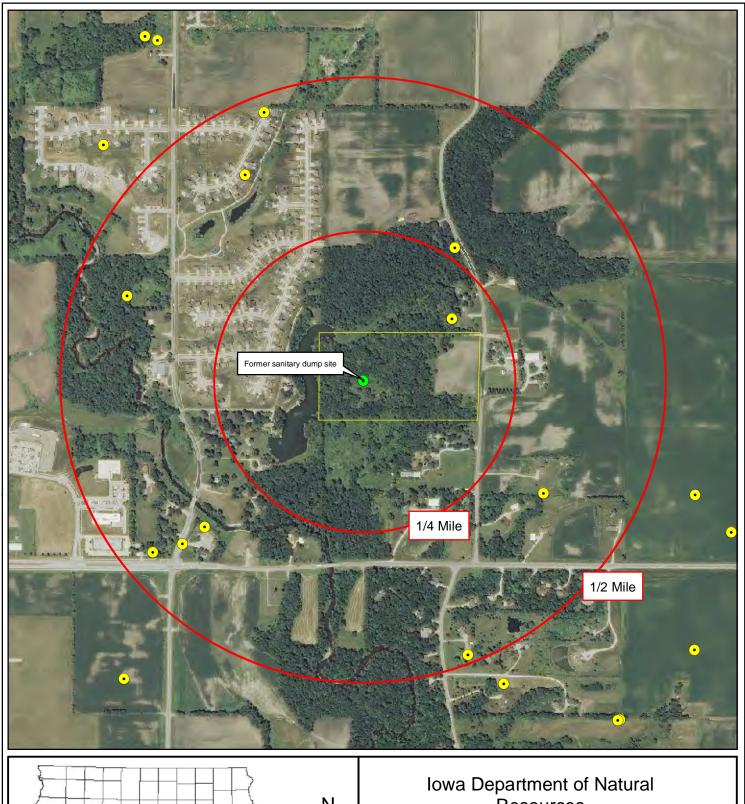


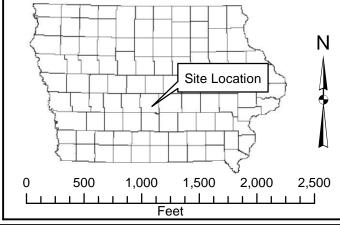


Iowa Department of Natural Resources

Ankeny Sanitary Dump - East 8130 NE Berwick Drive Ankeny, Iowa 50021

Soil Boring/Monitoring Well Location Figure 2

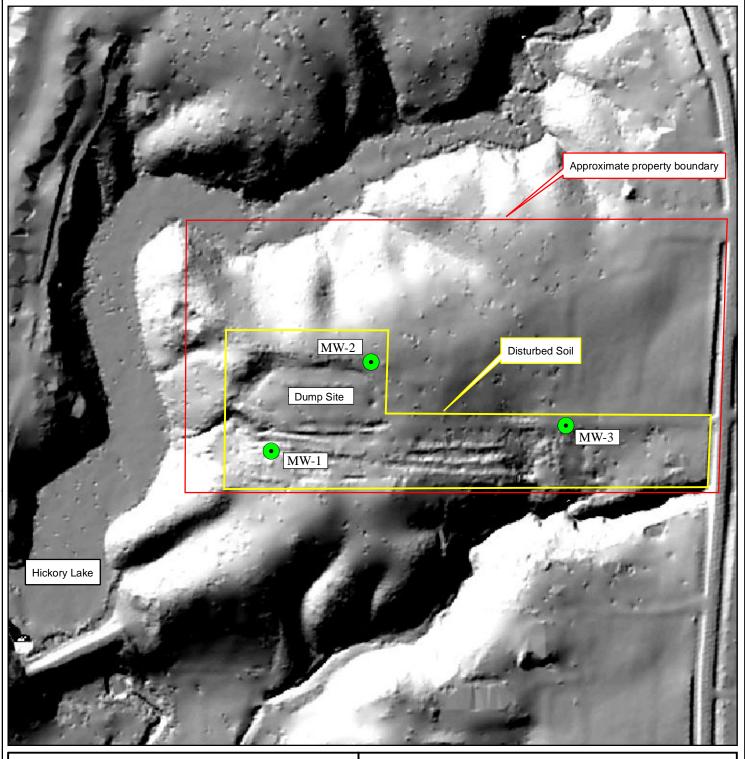


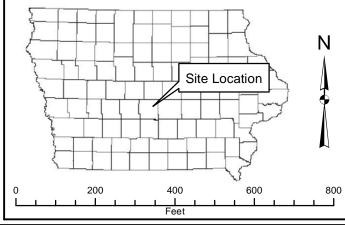


Resources

Ankeny Sanitary Dump - East 8130 NE Berwick Drive Ankeny, Iowa 50021

> • Private Wells Figure 3





Iowa Department of Natural Resources

Ankeny Sanitary Dump - East 8130 NE Berwick Drive Ankeny, Iowa 50021

2006 LIDAR Topographic Shaded Relief Image Figure 4