

IOWA DNR SUPERFUND SITE PRE-CERCLIS SCREENING FORM

I. SITE NAME AND LOCATION:			
NAME: Andrew Prestressed Concrete			
ADDRESS OR OTHER LOCATION IDENTIFIER:		1305 North 32 nd Street, P. O. Box 33	
CITY: Clear Lake	STATE: Iowa	ZIP: 50428	
DIRECTIONS TO SITE:		MAP ATTACHED: Yes	
Take I-35 North to Hwy 18 East. Turn right to the east on Hwy.18. Make a left on 32 nd Street. The facility is just to the left after crossing the divided highway.			

II. PROGRAM CONTACTS:			
REQUESTED BY: Ron King		DATE OF REQUEST:	
AGENCY/OFFICE: EPA Region 7			
MAILING ADDRESS: Room 4203, EPA SUPR/EFLR			
CITY: Kansas City	STATE: KS	ZIP: 66101	
TELEPHONE: 913-551-7568	FAX: 913-551-9568		
EVALUATOR: Lambert Nnadi			
AGENCY/OFFICE: Iowa DNR			
MAILING ADDRESS: Wallace State Office Building			
CITY: Des Moines	STATE: Iowa	ZIP: 50319	
TELEPHONE: 515-281-4117	FAX: (515) 281-8895		

III. SITE INFORMATION:			
TYPE OF FACILITY: Manufacturing		TYPE OF OWNERSHIP: Private	
OWNER/OPERATOR INFORMATION:			
Andrews Prestressed Concrete			
Attn.: Ray Andrews Jr.			
P. O. Box 33, Clear Lake, IA 50428			
SITE STATUS (active/inactive): Active		YEARS OF OPERATION: 58 years	
OPERATIONAL HISTORY: (How was the site identified):			
The company was established in 1947. It manufactures hollow core floor slabs, tilt-up wall panels, double tee panels for floors and walls, inverted tee beams, bridge beams and columns and lintels. The Phase I reported a suspicion of a former dump because of the presence of overgrown mounds on the north side of the property. In addition there were reportedly automotive batteries, tires and numerous partial containers of chemicals exceeding 50 gallons in aggregate. Also reported were three ASTs in use and two ASTs that were out of use.			

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IV. SUPERFUND SITE SCREENING CRITERIA	
A. REMEDIAL CRITERIA	
1. SOURCE AND WASTE CHARACTERISTICS	
KNOWN OR SUSPECTED SOURCE TYPES AND LOCATIONS:	
Groundwater	
SIZE OF SOURCES AND QUANTITIES (Volume, Area):	
Unknown	
WASTE TYPES OR HAZARDOUS SUBSTANCES KNOWN OR SUSPECTED TO BE PRESENT:	
Diesel	
2. GROUNDWATER PATHWAY	

What is the likelihood that a release to groundwater has occurred at the site? (If a release is not suspected proceed to A.3) Diesel has been detected in groundwater	
a. USE AND CHARACTERISTICS	
GENERAL STRATIGRAPHY AND HYDROLOGY: The site is in Cerro Gordo County in Iowa. The basic framework of the geology in this county consists of an igneous or metamorphic Pre-Cambrian basement complex. This is overlain, in ascending order, by consolidated sedimentary rocks of PreCambrian, Cambrian, Ordovician, Devonian, Mississippian, and Cretaceous age and unconsolidated sand, gravel and clay of Quaternary age. The site is located in area adjacent to Willow Creek between Clear Lake and the junction of Willow Creek and Winnebago River in Lake and Mason Townships which is underlain by very permeable outwash gravel. Hydraulic conductivity values between 6 and 10 meters/day have been recorded at the former Coastal Mart Gas Station facility, just southwest of and adjacent to Andrews Prestressed Concrete.	
PRESENCE OF KARST TERRAIN:	None
DEPTH TO SHALLOWEST AQUIFER:	6 feet
PRIVATE WELLS WITHIN 4 MILES (location and population served): Arcview search revealed approximately 110 private wells and 26 permitted private wells. It is estimated that approximately 286 people are served by the private wells. The number of people served by the private permitted wells is unknown. These wells are mostly located in businesses such as restaurants, commercial and manufacturing facilities. The nearest off-site permitted well is located at the former Coastal Mart Store situated southwest and adjacent to Andrews Prestressed Concrete. However, Coastal Mart is classified as High Risk by the IDNR LUST program because of very high levels of petroleum compounds in groundwater.	
MUNICIPAL WELLS WITHIN 4 MILES (location and population served): There are three municipal wells within a 4-mile radius. These wells belong to the city of Clear Lake and are all located south and southwest of Clear Lake.	
DISTANCE TO NEAREST DRINKING WATER WELL:	The nearest drinking water well is well #2, which is located onsite.
WELLHEAD PROTECTION AREAS: None	

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3. SURFACE WATER PATHWAY	
What is the likelihood that a release to surface water has occurred at the site? (If a release is not suspected proceed to A.4) Little if any chance at all. There is no likelihood of impacting any surface water. The nearest surface water body is Willow Creek, situated approximately 0.25 mile south of the facility.	
a. USE AND CHARACTERISTICS	
FLOOD FREQUENCY	
DISTANCE TO NEAREST SURFACE WATER:	
SURFACE WATER BODIES WITHIN 15 DOWNSTREAM MILES:	
DESIGNATED AND/OR PROTECTED USES OF SURFACE WATER BODIES:	
FISHERIES WITHIN 15 DOWNSTREAM MILES:	
KNOWN OR POTENTIAL SENSITIVE ENVIRONMENTS AND WETLANDS WITHIN 15 DOWNSTREAM MILES:	
4. SOIL EXPOSURE PATHWAY	
What is the likelihood of exposure to hazardous substances at the site? No likelihood The only contaminant (TEH-diesel) detected was in groundwater	

a. CHARACTERISTICS	
NUMBER OF PEOPLE LIVING WITHIN 200 FEET:	None.
SCHOOLS OR DAY-CARES:	None
POPULATIONS WITHIN 1 MILE:	26
NUMBER OF WORKERS AT THE FACILITY OR ADJACENT FACILITIES WHOSE CONTAMINATION IS SUSPECTED:	20
LOCATIONS OF KNOWN OR POTENTIAL TERRESTRIAL SENSITIVE ENVIRONMENTS: None	

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5. AIR PATHWAY	
What is the likelihood that a release of hazardous substances is migrating from the site to the air? (If a release is not suspected proceed to B.) None	
A Characteristics	
POPULATION WITHIN 4 MILES:	
DISTANCE TO NEAREST INDIVIDUAL:	
LOCATIONS OF KNOWN OR POTENTIAL SENSITIVE ENVIRONMENTS:	
WITHIN 0 TO ¼ MILE:	
WITHIN ¼ TO ½ MILE:	

B. REMOVAL CRITERIA	
IS THERE A RELEASE AS DEFINED BY THE NCP? (Yes/No)	Yes
(A RELEASE is defined as any spilling, leaking, pumping, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment of barrels, containers, and other closed receptacles containing any hazardous substances or pollutant or contaminant), but excludes: workplace exposures; engine exhaust; nuclear releases otherwise regulated; and the normal application of fertilizer. For purposes of the NCP, release also means threat of release. [40 CFR 300.410(e)])	
EXPLAIN THE RELEASE: A release of TEH-diesel has been observed in groundwater.	
IS THE SOURCE A FACILITY AS DEFINED BY THE NCP? (Yes/No)	Yes
(A FACILITY is defined as any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or POTW), well, pit, pond, lagoon, impoundment, ditch, landfill, storage container, motor vehicle, rolling stock, or aircraft or any site or area, where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise comes to be located; but does not include any consumer product in consumer use or any vessel. [40 CFR 300.410(e)])	
EXPLAIN THE SOURCE: The source is probably a 1,500-gallon fuel oil tank located on the north side of the property.	

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B. REMOVAL CRITERIA (continued):	
DOES THE RELEASE INVOLVE A HAZARDOUS SUBSTANCE, POLLUTANT, OR CONTAMINANT AS DEFINED BY THE NCP? (Yes/No)	Yes
(A HAZARDOUS SUBSTANCE means any substance, element, compound, mixture, solution, hazardous waste, toxic pollutant, hazardous air pollutant, or imminently hazardous chemical substance or mixture designated pursuant to the CWA, CERCLA, SDWA, CAA or TSCA. The term does not include petroleum products, natural gas, natural gas liquids, liquefied natural gas, synthetic gas or mixtures of natural and synthetic gas. The definition of POLLUTANT or CONTAMINANT includes but is not limited to, any element, substance, compound, or mixture, including disease-causing agent, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through the food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunction or physical deformation, in such organisms or their offspring. . The term does not include petroleum products, natural gas, natural gas liquids, liquefied natural gas, synthetic gas or mixtures of natural and synthetic gas.). [40 CFR 300.410 (e)])	
EXPLAIN WHICH HAZARDOUS SUBSTANCES, POLLUTANT OR CONTAMINANT: TEH-diesel	
IS THE RELEASE SUBJECT TO THE LIMITATION ON RESPONSE? (Yes/No)	No

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

EXPLAIN THE LIMITATION ON RESPONSE:

DOES THE QUANTITY OR CONCENTRATION WARRANT RESPONSE? (Yes/No) No

EXPLAIN: The concentration detected is below the Tier 1 standard in Iowa Administrative Code Chapter 135 (Leaking Underground Storage Tank program)

HAS A PRP BEEN IDENTIFIED? (Include name, address and telephone number)? (Yes/No) Yes

EXPLAIN: The responsible party is Andrews Prestressed Concrete
1305 N. 32nd Street, Clear Lake, IA 50428

IS THERE AN ACTUAL OR POTENTIAL EXPOSURE TO HAZARDOUS SUBSTANCES OR POLLUTANTS, OR CONTAMINANTS? (Yes/No) Yes

EXPLAIN: There is a potential exposure to diesel because of the on-site drinking water well.

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B. REMOVAL CRITERIA (continued):

IS THERE ACTUAL OR POTENTIAL FOR CONTAMINATION OF DRINKING WATER SUPPLIES? (Yes/No) Yes

EXPLAIN: There is a potential for contamination of drinking water due to the presence of on-site well and also the presence of diesel in groundwater. However, the diesel concentration is below LUST Tier 1 in Iowa Administrative Code Chapter 135.

ARE THERE HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN DRUMS, BARRELS, OR BULK STORAGE CONTAINERS? (Yes/No) No

EXPLAIN:

ARE THERE HIGH LEVELS OF HAZARDOUS SUBSTANCES, POLLUTANTS OR CONTAMINANTS IN NEAR-SURFACE SOILS? (Yes/No) No

EXPLAIN:

ARE THERE CONDITIONS ON SITE WHICH MAY BE SUSCEPTIBLE TO IMPACT FROM ADVERSE WEATHER CONDITIONS? (Yes/No) No

EXPLAIN:

IS THERE A THREAT OF FIRE OR EXPLOSION? (Yes/No) No

EXPLAIN:

IS THERE A POTENTIAL FOR OTHER FEDERAL OR STATE RESPONSE MECHANISMS? (Yes/No) Yes

IF YES, IDENTIFY THE APPROPRIATE PROGRAM AND EXPLAIN:

If necessary, the Contaminated Sites Section or Field Office #2 in Mason City could order a removal action.

ARE THERE OTHER SITUATIONS OR FACTORS WHICH WARRANT FURTHER SUPERFUND RESPONSE? (Yes/No) No

EXPLAIN:

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V. SUPERFUND SITE SCREENING FINDINGS AND RECOMMENDATIONS			
FURTHER SUPERFUND RESPONSE ACTION REQUIRED; SUPERFUND CERCLIS ENTRY WARRANTED. (Yes/No)			
(Cite the appropriate criteria from SECTION IV as the basis for the above determination. If No Further Superfund Response, skip sections on removal or integrated assessment recommendations)			
Issue	Yes	No	Unknown
Groundwater Pathway Threat	x		
Surface Water Pathway Threat		x	
Release or Threat of Release	x		
A facility or a Vessel	x		
Actual or Potential Exposure Threats	x		
High Levels of Contaminants in Surface Soil		x	
Threat of Fire or Explosion		x	
Direct Exposure Pathway Threat		x	
Air Pathway Threat		x	
Subject to Response Limitations		x	
Willing/Capable PRP Response	x		
Drums, Barrels or Bulk Containers Present		x	
Site Susceptible to Adverse Weather Conditions		x	
Referred to Another Program		x	
COMMENT: Contaminant level is below standard adopted for diesel in LUST program			

REMOVAL ACTION RECOMMENDED (Yes/No)			No
(Cite one or more of the conditions or factors from Section IV. Removal Criteria, as a basis for recommending that a removal action be conducted)			
Issue	Yes	No	Unknown
Exposure to Hazardous Substances or Pollutants or Contaminants			
Contaminated Drinking Water			
Contaminated Soil			
Other Response Mechanism			
Adverse Weather Impact			
Fire/Explosion Threat			
Drums, Barrels or Containers			
Other Factors			
COMMENT:			

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ADDITIONAL INTEGRATED ASSESSMENT RECOMMENDED (Yes/No)			No
(Cite the appropriate criteria from SECTION IV as the basis for recommending that additional site evaluation be performed)			
Issue	Yes	No	Unknown
Groundwater Pathway Threat			
Surface Water Pathway Threat			
Release of hazardous Substances or Pollutant or Contaminants			
CERCLA Limitations on Response Provisions do not Apply			
Actual or Potential Exposure Threats			
High Levels of Contaminants in Surface Soil			
Threat of Fire or Explosion			

Direct Exposure Pathway Threat			
Air Pathway Threat			
Willing/Capable PRPs Willing to Respond at this Time			
Drums, Barrels or Bulk Containers Present			
Site Susceptible to Adverse Weather Conditions			
The Site is a Source as Defined by the NCP			
Contaminants Present in Sufficient Quantity or Concentration			
Endangered Species, Wetlands, or Other Sensitive Environments Which may be Impacted by the Site			
Other Federal, State, or Other Response Mechanisms Available to Investigate the Site			

OTHER (DESCRIBE):

VI. ADDITIONAL INFORMATION OR COMMENTS

The on-site well is classified as a public water supply well. The well is tested per the standard set in their Public Water Permit as issued by the Iowa Department of Natural Resources, Water Supply Section. Based on the reports provided by the Water Supply Section, there is no indication of contamination of the drinking water well. The depth of the well is given as 90 feet. In addition it is unlikely the site contaminant will impact wells at adjacent properties. It is recommended the site be removed from further CERCLA action and also from state oversight.

VII. EVALUATOR

SIGNATURE: Lambert A. Nnadi

DATE: November 4, 2005

TITLE: Environmental Specialist Senior

AGENCY: Iowa DNR